



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        |                            | 101     | 1   | 18        | 0.44                          |
| 2019 | 3   | 11001        |                            | 101     | 2   | 15        | 0.27                          |
| 2019 | 3   | 11001        |                            | 101     | 3   | 17        | 0.39                          |
| 2019 | 3   | 11001        |                            | 101     | 4   | 13        | 0.24                          |
| 2019 | 3   | 11001        |                            | 101     | 5   | 18        | 0.46                          |
| 2019 | 3   | 11001        |                            | 101     | 6   | 16        | 0.23                          |
| 2019 | 3   | 11001        |                            | 101     | 7   | 18        | 0.50                          |
| 2019 | 3   | 11001        |                            | 101     | 8   | 18        | 0.51                          |
| 2019 | 3   | 11001        |                            | 101     | 9   | 17        | 0.32                          |
| 2019 | 3   | 11001        |                            | 101     | 10  | 16        | 0.31                          |
| 2019 | 3   | 11001        |                            | 101     | 11  | 18        | 0.54                          |
| 2019 | 3   | 11001        |                            | 101     | 12  | 17        | 0.28                          |
| 2019 | 3   | 11001        |                            | 101     | 13  | 16        | 0.24                          |
| 2019 | 3   | 11001        |                            | 101     | 14  | 18        | 0.63                          |
| 2019 | 3   | 11001        |                            | 101     | 15  | 18        | 0.64                          |
| 2019 | 3   | 11001        |                            | 101     | 16  | 13        | 0.39                          |
| 2019 | 3   | 11001        |                            | 101     | 17  | 16        | 0.82                          |
| 2019 | 3   | 11001        |                            | 101     | 18  | 13        | 0.22                          |
| 2019 | 3   | 11001        |                            | 101     | 19  | 18        | 0.63                          |
| 2019 | 3   | 11001        |                            | 101     | 20  | 13        | 0.33                          |
| 2019 | 3   | 11001        |                            | 101     | 21  | 13        | 0.23                          |
| 2019 | 3   | 11001        |                            | 101     | 22  | 18        | 0.76                          |
| 2019 | 3   | 11001        |                            | 101     | 23  | 15        | 0.54                          |
| 2019 | 3   | 11001        |                            | 101     | 24  | 19        | 0.42                          |
| 2019 | 3   | 11001        |                            | 101     | 25  | 17        | 0.31                          |
| 2019 | 3   | 11001        |                            | 101     | 26  | 18        | 0.41                          |
| 2019 | 3   | 11001        |                            | 101     | 27  | 18        | 0.45                          |
| 2019 | 3   | 11001        |                            | 101     | 28  | 18        | 0.48                          |
| 2019 | 3   | 11001        |                            | 101     | 29  | 18        | 0.41                          |
| 2019 | 3   | 11001        |                            | 101     | 30  | 13        | 0.32                          |
| 2019 | 3   | 11001        |                            | 101     | 31  | 18        | 0.72                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 1   | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 2   | 15        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 3   | 17        | 0.26                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 4   | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 5   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 6   | 16        | 0.21                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 7   | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 8   | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 9   | 17        | 0.27                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 10  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 11  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 12  | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 13  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 14  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 15  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 16  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 17  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 18  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 19  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 20  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 21  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 22  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 23  | 15        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 24  | 19        | 0.29                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 25  | 17        | 0.27                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 26  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 27  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 28  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 29  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 30  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100101                    | 101     | 31  | 18        | 0.29                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 1   | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 2   | 15        | 0.14                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 3   | 17        | 0.14                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 4   | 13        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 5   | 18        | 0.84                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 6   | 16        | 0.14                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 7   | 18        | 0.58                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 8   | 18        | 0.49                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 9   | 17        | 0.13                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 10  | 16        | 0.12                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 11  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 12  | 17        | 0.17                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 13  | 16        | 0.19                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100102                    | 101     | 14  | 18        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 15  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 16  | 13        | 0.13                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 17  | 16        | 0.13                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 18  | 13        | 0.16                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 19  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 20  | 13        | 0.18                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 21  | 13        | 0.19                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 22  | 18        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 23  | 15        | 0.13                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 24  | 19        | 0.13                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 25  | 17        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 27  | 18        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 28  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 29  | 18        | 0.15                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 30  | 13        | 0.14                          |
| 2019 | 3   | 11001        | 1100102                    | 101     | 31  | 18        | 0.14                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 1   | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 2   | 15        | 0.15                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 3   | 17        | 0.19                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 4   | 13        | 0.52                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 5   | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 6   | 16        | 0.24                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 7   | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 8   | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 9   | 17        | 0.16                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 10  | 16        | 0.18                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 11  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 12  | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 14  | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 15  | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 16  | 13        | 0.15                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 17  | 16        | 0.13                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 18  | 13        | 0.27                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 19  | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 20  | 13        | 0.28                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 21  | 13        | 0.28                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 22  | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 23  | 15        | 0.15                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 24  | 19        | 0.19                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 25  | 17        | 0.21                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 26  | 18        | 0.22                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 27  | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 28  | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 29  | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 30  | 13        | 0.15                          |
| 2019 | 3   | 11001        | 1100103                    | 101     | 31  | 18        | 0.22                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 1   | 18        | 0.53                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 2   | 15        | 0.43                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 3   | 17        | 0.59                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 4   | 13        | 0.36                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 5   | 18        | 0.58                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 6   | 16        | 0.42                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 7   | 18        | 0.60                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 8   | 18        | 0.53                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 9   | 17        | 0.52                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 10  | 16        | 0.51                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 11  | 18        | 0.48                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 12  | 17        | 0.42                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 13  | 16        | 0.38                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 14  | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 15  | 18        | 0.46                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 16  | 13        | 0.42                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 17  | 16        | 0.57                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 18  | 13        | 0.37                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 19  | 18        | 0.50                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 20  | 13        | 0.40                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 21  | 13        | 0.38                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 22  | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 23  | 15        | 0.44                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 24  | 19        | 0.67                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 25  | 17        | 0.59                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 26  | 18        | 0.51                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100104                    | 101     | 27  | 18        | 0.45                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 28  | 18        | 0.49                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 29  | 18        | 0.52                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 30  | 13        | 0.37                          |
| 2019 | 3   | 11001        | 1100104                    | 101     | 31  | 18        | 0.52                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 1   | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 2   | 15        | 0.27                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 3   | 17        | 0.36                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 4   | 13        | 0.26                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 5   | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 6   | 16        | 0.29                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 7   | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 8   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 9   | 17        | 0.34                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 10  | 16        | 0.36                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 11  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 12  | 17        | 0.28                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 13  | 16        | 0.26                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 14  | 18        | 0.41                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 15  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 16  | 13        | 0.29                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 17  | 16        | 0.49                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 18  | 13        | 0.34                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 19  | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 20  | 13        | 0.26                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 21  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 22  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 23  | 15        | 0.29                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 24  | 19        | 0.39                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 25  | 17        | 0.36                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 26  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 27  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 28  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 29  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 30  | 13        | 0.26                          |
| 2019 | 3   | 11001        | 1100105                    | 101     | 31  | 18        | 0.37                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 1   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 2   | 15        | 0.29                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 3   | 17        | 0.33                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 4   | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 5   | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 6   | 16        | 0.26                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 7   | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 8   | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 9   | 17        | 0.33                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 10  | 16        | 0.32                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 11  | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 12  | 17        | 0.29                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 14  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 15  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 16  | 13        | 0.30                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 17  | 16        | 0.36                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 18  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 19  | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 20  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 21  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 22  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 23  | 15        | 0.30                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 24  | 19        | 0.32                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 25  | 17        | 0.35                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 26  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 27  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 28  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 29  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 30  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100106                    | 101     | 31  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 1   | 18        | 0.39                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 2   | 15        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 3   | 17        | 0.86                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 4   | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 5   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 6   | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 7   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 8   | 18        | 0.33                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100107                    | 101     | 9   | 17        | 0.37                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 10  | 16        | 0.56                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 11  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 12  | 17        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 13  | 16        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 14  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 15  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 16  | 13        | 0.28                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 17  | 16        | 0.67                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 18  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 19  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 20  | 13        | 0.26                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 21  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 22  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 23  | 15        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 24  | 19        | 0.55                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 25  | 17        | 0.41                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 26  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 27  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 28  | 18        | 0.37                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 29  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 30  | 13        | 0.30                          |
| 2019 | 3   | 11001        | 1100107                    | 101     | 31  | 18        | 0.61                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 1   | 18        | 1.51                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 2   | 15        | 0.31                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 3   | 17        | 0.74                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 4   | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 5   | 18        | 1.46                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 6   | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 7   | 18        | 1.75                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 8   | 18        | 1.41                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 9   | 17        | 0.32                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 10  | 16        | 0.34                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 11  | 18        | 2.24                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 12  | 17        | 0.63                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 13  | 16        | 0.28                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 14  | 18        | 1.70                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 15  | 18        | 0.90                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 16  | 13        | 0.28                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 17  | 16        | 0.35                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 18  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 19  | 18        | 1.24                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 20  | 13        | 0.29                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 21  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 22  | 18        | 1.65                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 23  | 15        | 0.27                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 24  | 19        | 0.38                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 25  | 17        | 0.36                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 26  | 18        | 0.75                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 27  | 18        | 1.84                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 28  | 18        | 1.30                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 29  | 18        | 1.12                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 30  | 13        | 0.83                          |
| 2019 | 3   | 11001        | 1100108                    | 101     | 31  | 18        | 2.40                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 1   | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 2   | 15        | 0.18                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 3   | 17        | 0.20                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 4   | 13        | 0.15                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 5   | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 6   | 16        | 0.15                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 7   | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 8   | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 9   | 17        | 0.18                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 10  | 16        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 11  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 12  | 17        | 0.16                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 14  | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 15  | 18        | 0.20                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 16  | 13        | 0.17                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 17  | 16        | 0.21                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 18  | 13        | 0.16                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 19  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 20  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 21  | 13        | 0.22                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100109                    | 101     | 22  | 18        | 0.21                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 23  | 15        | 0.18                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 24  | 19        | 0.23                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 25  | 17        | 0.26                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 27  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 28  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 29  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 30  | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100109                    | 101     | 31  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 1   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 2   | 15        | 0.24                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 3   | 17        | 0.22                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 4   | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 5   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 6   | 16        | 0.24                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 7   | 18        | 0.27                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 8   | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 9   | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 10  | 16        | 0.24                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 11  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 12  | 17        | 0.25                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 14  | 18        | 0.29                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 15  | 18        | 0.71                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 16  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 17  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 18  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 19  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 20  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 21  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 22  | 18        | 2.17                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 23  | 15        | 0.22                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 24  | 19        | 0.25                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 25  | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 26  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 27  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 28  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 29  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 30  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100110                    | 101     | 31  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 1   | 18        | 0.27                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 2   | 15        | 0.24                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 3   | 17        | 0.24                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 4   | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 5   | 18        | 0.27                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 6   | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 7   | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 8   | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 9   | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 10  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 11  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 12  | 17        | 0.25                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 13  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 15  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 16  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 17  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 18  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 19  | 18        | 0.27                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 20  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 21  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 22  | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 23  | 15        | 0.24                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 24  | 19        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 25  | 17        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 26  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 27  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 28  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 29  | 18        | 0.27                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 30  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100111                    | 101     | 31  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 1   | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 2   | 15        | 0.18                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 3   | 17        | 0.16                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100112                    | 101     | 4   | 13        | 0.19                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 5   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 6   | 16        | 0.19                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 7   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 8   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 9   | 17        | 0.17                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 10  | 16        | 0.16                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 11  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 12  | 17        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 13  | 16        | 0.21                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 14  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 15  | 18        | 1.31                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 16  | 13        | 0.18                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 17  | 16        | 0.15                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 18  | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 19  | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 20  | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 21  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 22  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 23  | 15        | 0.17                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 24  | 19        | 0.18                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 25  | 17        | 0.16                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 26  | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 27  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 28  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 29  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 30  | 13        | 0.17                          |
| 2019 | 3   | 11001        | 1100112                    | 101     | 31  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 2   | 15        | 0.14                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 3   | 17        | 0.13                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 4   | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 5   | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 6   | 16        | 0.19                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 7   | 18        | 0.42                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 8   | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 9   | 17        | 1.08                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 10  | 16        | 0.14                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 11  | 18        | 0.19                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 12  | 17        | 0.20                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 13  | 16        | 0.20                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 15  | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 16  | 13        | 0.15                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 17  | 16        | 0.15                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 18  | 13        | 0.18                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 19  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 20  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 21  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 22  | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 23  | 15        | 0.16                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 24  | 19        | 0.23                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 25  | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 26  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 27  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 28  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 29  | 18        | 0.23                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 30  | 13        | 0.14                          |
| 2019 | 3   | 11001        | 1100113                    | 101     | 31  | 18        | 0.13                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 1   | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 2   | 15        | 0.57                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 3   | 17        | 0.27                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 4   | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 5   | 18        | 0.28                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 6   | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 7   | 18        | 0.87                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 8   | 18        | 2.01                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 9   | 17        | 0.19                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 10  | 16        | 0.24                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 11  | 18        | 1.37                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 12  | 17        | 0.26                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 13  | 16        | 0.22                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 14  | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 15  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 16  | 13        | 0.45                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100114                    | 101     | 17  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 18  | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 19  | 18        | 1.16                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 20  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 21  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 22  | 18        | 1.82                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 23  | 15        | 0.30                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 24  | 19        | 0.23                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 25  | 17        | 0.22                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 26  | 18        | 1.44                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 27  | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 28  | 18        | 0.59                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 29  | 18        | 1.22                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 30  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100114                    | 101     | 31  | 18        | 0.22                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 1   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 2   | 15        | 0.21                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 3   | 17        | 0.27                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 4   | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 5   | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 6   | 16        | 0.21                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 7   | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 8   | 18        | 0.25                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 9   | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 10  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 11  | 18        | 0.26                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 12  | 17        | 0.23                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 13  | 16        | 0.23                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 14  | 18        | 10.85                         |
| 2019 | 3   | 11001        | 1100115                    | 101     | 15  | 18        | 11.06                         |
| 2019 | 3   | 11001        | 1100115                    | 101     | 16  | 13        | 6.60                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 17  | 16        | 22.39                         |
| 2019 | 3   | 11001        | 1100115                    | 101     | 18  | 13        | 0.18                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 19  | 18        | 11.67                         |
| 2019 | 3   | 11001        | 1100115                    | 101     | 20  | 13        | 0.22                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 21  | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 22  | 18        | 5.17                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 23  | 15        | 11.89                         |
| 2019 | 3   | 11001        | 1100115                    | 101     | 24  | 19        | 4.57                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 25  | 17        | 0.27                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 26  | 18        | 2.96                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 27  | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 28  | 18        | 4.99                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 29  | 18        | 1.21                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 30  | 13        | 1.53                          |
| 2019 | 3   | 11001        | 1100115                    | 101     | 31  | 18        | 6.57                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 1   | 18        | 0.76                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 2   | 15        | 0.39                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 3   | 17        | 0.52                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 4   | 13        | 0.27                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 5   | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 6   | 16        | 0.29                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 7   | 18        | 0.32                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 8   | 18        | 0.43                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 9   | 17        | 0.43                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 10  | 16        | 0.50                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 11  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 12  | 17        | 0.25                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 14  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 15  | 18        | 0.36                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 16  | 13        | 0.29                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 17  | 16        | 0.46                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 18  | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 19  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 20  | 13        | 0.28                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 21  | 13        | 0.27                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 22  | 18        | 0.38                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 23  | 15        | 0.20                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 24  | 19        | 0.28                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 25  | 17        | 0.24                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 26  | 18        | 0.24                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 27  | 18        | 0.39                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 28  | 18        | 0.45                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 29  | 18        | 0.37                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100116                    | 101     | 30  | 13        | 0.19                          |
| 2019 | 3   | 11001        | 1100116                    | 101     | 31  | 18        | 0.51                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 2   | 15        | 0.20                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 3   | 17        | 0.30                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 4   | 13        | 0.21                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 5   | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 6   | 16        | 0.20                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 7   | 18        | 0.18                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 8   | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 9   | 17        | 0.20                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 10  | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 11  | 18        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 12  | 17        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 13  | 16        | 0.19                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 14  | 18        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 15  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 16  | 13        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 17  | 16        | 0.28                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 18  | 13        | 0.20                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 19  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 20  | 13        | 3.38                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 21  | 13        | 0.24                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 22  | 18        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 23  | 15        | 0.22                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 24  | 19        | 0.29                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 25  | 17        | 0.31                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 27  | 18        | 0.16                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 28  | 18        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 29  | 18        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 30  | 13        | 0.17                          |
| 2019 | 3   | 11001        | 1100117                    | 101     | 31  | 18        | 0.50                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 1   | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 2   | 15        | 0.27                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 3   | 17        | 0.34                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 4   | 13        | 0.23                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 5   | 18        | 0.30                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 6   | 16        | 0.25                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 7   | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 8   | 18        | 0.37                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 9   | 17        | 0.36                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 10  | 16        | 0.36                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 11  | 18        | 0.37                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 12  | 17        | 0.30                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 13  | 16        | 0.29                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 14  | 18        | 0.37                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 15  | 18        | 0.33                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 16  | 13        | 0.30                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 17  | 16        | 0.44                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 18  | 13        | 0.27                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 19  | 18        | 0.36                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 20  | 13        | 0.26                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 21  | 13        | 0.25                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 22  | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 23  | 15        | 0.31                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 24  | 19        | 0.43                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 25  | 17        | 0.41                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 26  | 18        | 0.35                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 27  | 18        | 0.31                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 28  | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 29  | 18        | 0.34                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 30  | 13        | 0.27                          |
| 2019 | 3   | 11001        | 1100118                    | 101     | 31  | 18        | 0.42                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 1   | 18        | 0.51                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 2   | 15        | 0.45                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 3   | 17        | 0.54                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 4   | 13        | 0.38                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 5   | 18        | 0.50                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 6   | 16        | 0.44                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 7   | 18        | 0.52                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 8   | 18        | 0.51                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 9   | 17        | 0.52                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 10  | 16        | 0.56                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 11  | 18        | 0.50                          |





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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 11001        | 1100119                    | 101     | 12  | 17        | 0.39                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 13  | 16        | 0.39                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 14  | 18        | 0.44                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 15  | 18        | 0.46                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 16  | 13        | 0.39                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 17  | 16        | 0.73                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 18  | 13        | 0.36                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 19  | 18        | 0.50                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 20  | 13        | 0.34                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 21  | 13        | 0.35                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 22  | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 23  | 15        | 0.41                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 24  | 19        | 0.57                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 25  | 17        | 0.52                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 26  | 18        | 0.48                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 27  | 18        | 0.47                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 28  | 18        | 0.43                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 29  | 18        | 0.48                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 30  | 13        | 0.34                          |
| 2019 | 3   | 11001        | 1100119                    | 101     | 31  | 18        | 0.51                          |
| 2019 | 3   | 13001        |                            | 101     | 1   | 20        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 3   | 20        | 0.18                          |
| 2019 | 3   | 13001        |                            | 101     | 4   | 19        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 5   | 13        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 7   | 20        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 8   | 20        | 0.16                          |
| 2019 | 3   | 13001        |                            | 101     | 9   | 21        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 10  | 20        | 0.20                          |
| 2019 | 3   | 13001        |                            | 101     | 11  | 13        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 12  | 20        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 13001        |                            | 101     | 14  | 21        | 0.21                          |
| 2019 | 3   | 13001        |                            | 101     | 15  | 20        | 0.18                          |
| 2019 | 3   | 13001        |                            | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 17  | 14        | 0.21                          |
| 2019 | 3   | 13001        |                            | 101     | 18  | 20        | 0.18                          |
| 2019 | 3   | 13001        |                            | 101     | 19  | 21        | 0.21                          |
| 2019 | 3   | 13001        |                            | 101     | 20  | 13        | 0.15                          |
| 2019 | 3   | 13001        |                            | 101     | 21  | 21        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 22  | 19        | 0.15                          |
| 2019 | 3   | 13001        |                            | 101     | 23  | 20        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 13001        |                            | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 13001        |                            | 101     | 26  | 13        | 0.15                          |
| 2019 | 3   | 13001        |                            | 101     | 27  | 13        | 0.14                          |
| 2019 | 3   | 13001        |                            | 101     | 28  | 20        | 0.16                          |
| 2019 | 3   | 13001        |                            | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 13001        |                            | 101     | 30  | 21        | 0.20                          |
| 2019 | 3   | 13001        |                            | 101     | 31  | 19        | 0.18                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 1   | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 2   | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 3   | 20        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 4   | 19        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 5   | 13        | 0.20                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 6   | 21        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 9   | 21        | 0.17                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 10  | 20        | 0.17                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 11  | 13        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 12  | 20        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 14  | 21        | 0.20                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 15  | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 17  | 14        | 0.18                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 18  | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 19  | 21        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 20  | 13        | 0.14                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 21  | 21        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 22  | 19        | 0.13                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 23  | 20        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 24  | 20        | 0.16                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 13001        | 1300101                    | 101     | 25  | 19        | 0.16                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 26  | 13        | 0.15                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 27  | 13        | 0.14                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 29  | 19        | 0.13                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 30  | 21        | 0.14                          |
| 2019 | 3   | 13001        | 1300101                    | 101     | 31  | 19        | 0.14                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 1   | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 3   | 20        | 0.19                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 4   | 19        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 5   | 13        | 0.21                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 8   | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 9   | 21        | 0.18                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 10  | 20        | 0.22                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 11  | 13        | 0.20                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 12  | 20        | 0.17                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 13  | 16        | 0.14                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 14  | 21        | 0.20                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 15  | 20        | 0.18                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 16  | 21        | 0.17                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 17  | 14        | 0.26                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 18  | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 19  | 21        | 0.28                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 20  | 13        | 0.15                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 21  | 21        | 0.18                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 22  | 19        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 23  | 20        | 0.16                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 24  | 20        | 0.24                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 26  | 13        | 0.17                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 27  | 13        | 0.14                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 28  | 20        | 0.15                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 29  | 19        | 0.24                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 30  | 21        | 0.26                          |
| 2019 | 3   | 13001        | 1300102                    | 101     | 31  | 19        | 0.23                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 1   | 20        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 2   | 20        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 3   | 20        | 0.22                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 4   | 19        | 0.20                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 5   | 13        | 0.17                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 6   | 21        | 0.23                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 8   | 20        | 0.20                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 9   | 21        | 0.24                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 10  | 20        | 0.23                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 11  | 13        | 0.27                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 12  | 20        | 0.20                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 14  | 21        | 0.23                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 16  | 21        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 17  | 14        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 18  | 20        | 0.22                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 19  | 21        | 0.24                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 20  | 13        | 0.17                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 21  | 21        | 0.18                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 22  | 19        | 0.18                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 23  | 20        | 0.21                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 25  | 19        | 0.20                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 26  | 13        | 0.14                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 27  | 13        | 0.15                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 29  | 19        | 0.19                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 30  | 21        | 0.23                          |
| 2019 | 3   | 13001        | 1300103                    | 101     | 31  | 19        | 0.19                          |
| 2019 | 3   | 15001        |                            | 101     | 1   | 20        | 0.19                          |
| 2019 | 3   | 15001        |                            | 101     | 2   | 19        | 0.18                          |
| 2019 | 3   | 15001        |                            | 101     | 3   | 20        | 0.17                          |
| 2019 | 3   | 15001        |                            | 101     | 4   | 19        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 5   | 20        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 6   | 20        | 0.17                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 15001        |                            | 101     | 7   | 20        | 0.17                          |
| 2019 | 3   | 15001        |                            | 101     | 8   | 20        | 0.17                          |
| 2019 | 3   | 15001        |                            | 101     | 9   | 18        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 10  | 19        | 0.17                          |
| 2019 | 3   | 15001        |                            | 101     | 11  | 20        | 0.13                          |
| 2019 | 3   | 15001        |                            | 101     | 12  | 20        | 0.14                          |
| 2019 | 3   | 15001        |                            | 101     | 13  | 16        | 0.13                          |
| 2019 | 3   | 15001        |                            | 101     | 14  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 15  | 19        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 17  | 20        | 0.14                          |
| 2019 | 3   | 15001        |                            | 101     | 18  | 20        | 0.14                          |
| 2019 | 3   | 15001        |                            | 101     | 19  | 20        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 20  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 21  | 20        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 22  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 23  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 24  | 20        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 15001        |                            | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 15001        |                            | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 15001        |                            | 101     | 28  | 20        | 0.16                          |
| 2019 | 3   | 15001        |                            | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 15001        |                            | 101     | 30  | 11        | 0.13                          |
| 2019 | 3   | 15001        |                            | 101     | 31  | 20        | 0.17                          |
| 2019 | 3   | 15238        |                            | 101     | 1   | 20        | 0.10                          |
| 2019 | 3   | 15238        |                            | 101     | 2   | 20        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 3   | 14        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 15238        |                            | 101     | 5   | 20        | 0.10                          |
| 2019 | 3   | 15238        |                            | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 7   | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 8   | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 9   | 20        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 10  | 20        | 0.14                          |
| 2019 | 3   | 15238        |                            | 101     | 11  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 12  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 13  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 15238        |                            | 101     | 16  | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 17  | 20        | 0.14                          |
| 2019 | 3   | 15238        |                            | 101     | 18  | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 19  | 20        | 0.14                          |
| 2019 | 3   | 15238        |                            | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 21  | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 22  | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 23  | 20        | 0.13                          |
| 2019 | 3   | 15238        |                            | 101     | 24  | 20        | 0.14                          |
| 2019 | 3   | 15238        |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 15238        |                            | 101     | 26  | 20        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 27  | 20        | 0.10                          |
| 2019 | 3   | 15238        |                            | 101     | 28  | 20        | 0.12                          |
| 2019 | 3   | 15238        |                            | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 30  | 19        | 0.11                          |
| 2019 | 3   | 15238        |                            | 101     | 31  | 20        | 0.12                          |
| 2019 | 3   | 15759        |                            | 101     | 1   | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 15759        |                            | 101     | 3   | 14        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 4   | 20        | 0.14                          |
| 2019 | 3   | 15759        |                            | 101     | 5   | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 6   | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 7   | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 8   | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 9   | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 10  | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 11  | 20        | 0.17                          |
| 2019 | 3   | 15759        |                            | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 13  | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 14  | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 15759        |                            | 101     | 17  | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 18  | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 19  | 20        | 0.18                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 15759        |                            | 101     | 20  | 20        | 0.21                          |
| 2019 | 3   | 15759        |                            | 101     | 21  | 20        | 0.15                          |
| 2019 | 3   | 15759        |                            | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 15759        |                            | 101     | 23  | 20        | 0.19                          |
| 2019 | 3   | 15759        |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 15759        |                            | 101     | 25  | 19        | 0.20                          |
| 2019 | 3   | 15759        |                            | 101     | 26  | 20        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 27  | 20        | 0.17                          |
| 2019 | 3   | 15759        |                            | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 15759        |                            | 101     | 29  | 19        | 0.16                          |
| 2019 | 3   | 15759        |                            | 101     | 30  | 19        | 0.17                          |
| 2019 | 3   | 15759        |                            | 101     | 31  | 20        | 0.15                          |
| 2019 | 3   | 17001        |                            | 101     | 1   | 17        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 2   | 19        | 0.22                          |
| 2019 | 3   | 17001        |                            | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 17001        |                            | 101     | 4   | 18        | 0.25                          |
| 2019 | 3   | 17001        |                            | 101     | 5   | 16        | 0.16                          |
| 2019 | 3   | 17001        |                            | 101     | 6   | 18        | 0.19                          |
| 2019 | 3   | 17001        |                            | 101     | 7   | 15        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 9   | 16        | 0.20                          |
| 2019 | 3   | 17001        |                            | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 17001        |                            | 101     | 11  | 13        | 0.16                          |
| 2019 | 3   | 17001        |                            | 101     | 12  | 18        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 17001        |                            | 101     | 14  | 13        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 15  | 18        | 0.19                          |
| 2019 | 3   | 17001        |                            | 101     | 16  | 15        | 0.21                          |
| 2019 | 3   | 17001        |                            | 101     | 17  | 19        | 0.22                          |
| 2019 | 3   | 17001        |                            | 101     | 18  | 17        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 19  | 12        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 20  | 16        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 21  | 13        | 0.19                          |
| 2019 | 3   | 17001        |                            | 101     | 22  | 16        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 23  | 14        | 0.24                          |
| 2019 | 3   | 17001        |                            | 101     | 24  | 19        | 0.26                          |
| 2019 | 3   | 17001        |                            | 101     | 25  | 19        | 0.25                          |
| 2019 | 3   | 17001        |                            | 101     | 26  | 17        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 27  | 18        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 28  | 18        | 0.17                          |
| 2019 | 3   | 17001        |                            | 101     | 29  | 13        | 0.18                          |
| 2019 | 3   | 17001        |                            | 101     | 30  | 19        | 0.22                          |
| 2019 | 3   | 17001        |                            | 101     | 31  | 15        | 0.23                          |
| 2019 | 3   | 17380        |                            | 101     | 1   | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 2   | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 3   | 14        | 0.16                          |
| 2019 | 3   | 17380        |                            | 101     | 4   | 21        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 5   | 21        | 0.18                          |
| 2019 | 3   | 17380        |                            | 101     | 6   | 20        | 0.16                          |
| 2019 | 3   | 17380        |                            | 101     | 7   | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 8   | 21        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 9   | 21        | 0.20                          |
| 2019 | 3   | 17380        |                            | 101     | 10  | 18        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 11  | 21        | 0.16                          |
| 2019 | 3   | 17380        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 17380        |                            | 101     | 13  | 21        | 0.12                          |
| 2019 | 3   | 17380        |                            | 101     | 14  | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 15  | 20        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 17380        |                            | 101     | 17  | 20        | 0.16                          |
| 2019 | 3   | 17380        |                            | 101     | 18  | 20        | 0.19                          |
| 2019 | 3   | 17380        |                            | 101     | 19  | 20        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 20  | 21        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 21  | 20        | 0.21                          |
| 2019 | 3   | 17380        |                            | 101     | 22  | 21        | 0.20                          |
| 2019 | 3   | 17380        |                            | 101     | 23  | 21        | 0.20                          |
| 2019 | 3   | 17380        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 17380        |                            | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 17380        |                            | 101     | 26  | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 27  | 21        | 0.19                          |
| 2019 | 3   | 17380        |                            | 101     | 28  | 21        | 0.15                          |
| 2019 | 3   | 17380        |                            | 101     | 29  | 20        | 0.18                          |
| 2019 | 3   | 17380        |                            | 101     | 30  | 20        | 0.17                          |
| 2019 | 3   | 17380        |                            | 101     | 31  | 20        | 0.15                          |
| 2019 | 3   | 18001        |                            | 101     | 1   | 21        | 0.18                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 18001        |                            | 101     | 2   | 21        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 3   | 21        | 0.19                          |
| 2019 | 3   | 18001        |                            | 101     | 4   | 21        | 0.19                          |
| 2019 | 3   | 18001        |                            | 101     | 5   | 21        | 0.19                          |
| 2019 | 3   | 18001        |                            | 101     | 6   | 21        | 0.21                          |
| 2019 | 3   | 18001        |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 18001        |                            | 101     | 8   | 21        | 0.23                          |
| 2019 | 3   | 18001        |                            | 101     | 9   | 21        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 10  | 20        | 0.22                          |
| 2019 | 3   | 18001        |                            | 101     | 11  | 21        | 0.22                          |
| 2019 | 3   | 18001        |                            | 101     | 12  | 21        | 0.23                          |
| 2019 | 3   | 18001        |                            | 101     | 13  | 21        | 0.22                          |
| 2019 | 3   | 18001        |                            | 101     | 14  | 20        | 0.21                          |
| 2019 | 3   | 18001        |                            | 101     | 15  | 20        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 16  | 21        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 17  | 17        | 0.24                          |
| 2019 | 3   | 18001        |                            | 101     | 18  | 21        | 0.21                          |
| 2019 | 3   | 18001        |                            | 101     | 19  | 21        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 20  | 20        | 0.17                          |
| 2019 | 3   | 18001        |                            | 101     | 21  | 20        | 0.18                          |
| 2019 | 3   | 18001        |                            | 101     | 22  | 21        | 0.17                          |
| 2019 | 3   | 18001        |                            | 101     | 23  | 21        | 0.17                          |
| 2019 | 3   | 18001        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 18001        |                            | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 18001        |                            | 101     | 26  | 20        | 0.18                          |
| 2019 | 3   | 18001        |                            | 101     | 27  | 21        | 0.16                          |
| 2019 | 3   | 18001        |                            | 101     | 28  | 21        | 0.20                          |
| 2019 | 3   | 18001        |                            | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 18001        |                            | 101     | 30  | 14        | 0.16                          |
| 2019 | 3   | 18001        |                            | 101     | 31  | 18        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 1   | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 2   | 21        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 3   | 20        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 4   | 21        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 6   | 21        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 7   | 21        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 8   | 20        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 9   | 21        | 0.17                          |
| 2019 | 3   | 19001        |                            | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 11  | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 13  | 21        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 14  | 13        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 15  | 20        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 16  | 21        | 0.21                          |
| 2019 | 3   | 19001        |                            | 101     | 17  | 20        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 18  | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 19  | 20        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 20  | 21        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 21  | 13        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 22  | 20        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 23  | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 24  | 20        | 0.18                          |
| 2019 | 3   | 19001        |                            | 101     | 25  | 19        | 0.21                          |
| 2019 | 3   | 19001        |                            | 101     | 26  | 21        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 27  | 21        | 0.19                          |
| 2019 | 3   | 19001        |                            | 101     | 28  | 21        | 0.22                          |
| 2019 | 3   | 19001        |                            | 101     | 29  | 20        | 0.22                          |
| 2019 | 3   | 19001        |                            | 101     | 30  | 20        | 0.20                          |
| 2019 | 3   | 19001        |                            | 101     | 31  | 20        | 0.20                          |
| 2019 | 3   | 20001        |                            | 101     | 1   | 21        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 2   | 20        | 0.13                          |
| 2019 | 3   | 20001        |                            | 101     | 3   | 19        | 0.17                          |
| 2019 | 3   | 20001        |                            | 101     | 4   | 20        | 0.13                          |
| 2019 | 3   | 20001        |                            | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 6   | 21        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 7   | 21        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 20001        |                            | 101     | 9   | 20        | 0.14                          |
| 2019 | 3   | 20001        |                            | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 20001        |                            | 101     | 11  | 21        | 0.10                          |
| 2019 | 3   | 20001        |                            | 101     | 12  | 20        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 13  | 21        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 14  | 21        | 0.11                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 20001        |                            | 101     | 15  | 21        | 0.10                          |
| 2019 | 3   | 20001        |                            | 101     | 16  | 21        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 17  | 20        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 18  | 20        | 0.14                          |
| 2019 | 3   | 20001        |                            | 101     | 19  | 20        | 0.14                          |
| 2019 | 3   | 20001        |                            | 101     | 20  | 20        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 21  | 21        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 22  | 20        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 23  | 20        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 24  | 20        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 26  | 21        | 0.09                          |
| 2019 | 3   | 20001        |                            | 101     | 27  | 21        | 0.09                          |
| 2019 | 3   | 20001        |                            | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 20001        |                            | 101     | 29  | 20        | 0.14                          |
| 2019 | 3   | 20001        |                            | 101     | 30  | 20        | 0.12                          |
| 2019 | 3   | 20001        |                            | 101     | 31  | 20        | 0.11                          |
| 2019 | 3   | 20011        |                            | 101     | 1   | 20        | 0.28                          |
| 2019 | 3   | 20011        |                            | 101     | 2   | 20        | 0.34                          |
| 2019 | 3   | 20011        |                            | 101     | 3   | 20        | 0.28                          |
| 2019 | 3   | 20011        |                            | 101     | 4   | 20        | 0.27                          |
| 2019 | 3   | 20011        |                            | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 20011        |                            | 101     | 6   | 20        | 0.29                          |
| 2019 | 3   | 20011        |                            | 101     | 7   | 21        | 0.28                          |
| 2019 | 3   | 20011        |                            | 101     | 8   | 20        | 0.32                          |
| 2019 | 3   | 20011        |                            | 101     | 9   | 21        | 0.33                          |
| 2019 | 3   | 20011        |                            | 101     | 10  | 20        | 0.43                          |
| 2019 | 3   | 20011        |                            | 101     | 11  | 20        | 0.85                          |
| 2019 | 3   | 20011        |                            | 101     | 12  | 21        | 0.32                          |
| 2019 | 3   | 20011        |                            | 101     | 13  | 21        | 0.36                          |
| 2019 | 3   | 20011        |                            | 101     | 14  | 21        | 0.29                          |
| 2019 | 3   | 20011        |                            | 101     | 15  | 20        | 0.32                          |
| 2019 | 3   | 20011        |                            | 101     | 16  | 20        | 0.29                          |
| 2019 | 3   | 20011        |                            | 101     | 17  | 20        | 0.32                          |
| 2019 | 3   | 20011        |                            | 101     | 18  | 21        | 0.35                          |
| 2019 | 3   | 20011        |                            | 101     | 19  | 20        | 0.26                          |
| 2019 | 3   | 20011        |                            | 101     | 20  | 20        | 0.25                          |
| 2019 | 3   | 20011        |                            | 101     | 21  | 20        | 0.23                          |
| 2019 | 3   | 20011        |                            | 101     | 22  | 20        | 0.21                          |
| 2019 | 3   | 20011        |                            | 101     | 23  | 21        | 0.26                          |
| 2019 | 3   | 20011        |                            | 101     | 24  | 21        | 0.23                          |
| 2019 | 3   | 20011        |                            | 101     | 25  | 19        | 0.37                          |
| 2019 | 3   | 20011        |                            | 101     | 26  | 21        | 0.26                          |
| 2019 | 3   | 20011        |                            | 101     | 27  | 20        | 0.32                          |
| 2019 | 3   | 20011        |                            | 101     | 28  | 21        | 0.29                          |
| 2019 | 3   | 20011        |                            | 101     | 29  | 20        | 0.38                          |
| 2019 | 3   | 20011        |                            | 101     | 30  | 21        | 0.41                          |
| 2019 | 3   | 20011        |                            | 101     | 31  | 20        | 0.40                          |
| 2019 | 3   | 20400        |                            | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 20400        |                            | 101     | 2   | 20        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 3   | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 6   | 20        | 0.10                          |
| 2019 | 3   | 20400        |                            | 101     | 7   | 21        | 0.15                          |
| 2019 | 3   | 20400        |                            | 101     | 8   | 20        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 9   | 21        | 0.08                          |
| 2019 | 3   | 20400        |                            | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 20400        |                            | 101     | 11  | 20        | 0.10                          |
| 2019 | 3   | 20400        |                            | 101     | 12  | 21        | 0.10                          |
| 2019 | 3   | 20400        |                            | 101     | 13  | 21        | 0.09                          |
| 2019 | 3   | 20400        |                            | 101     | 14  | 21        | 0.10                          |
| 2019 | 3   | 20400        |                            | 101     | 15  | 20        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 16  | 20        | 0.13                          |
| 2019 | 3   | 20400        |                            | 101     | 17  | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 18  | 21        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 19  | 20        | 0.09                          |
| 2019 | 3   | 20400        |                            | 101     | 20  | 20        | 0.08                          |
| 2019 | 3   | 20400        |                            | 101     | 21  | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 22  | 20        | 0.12                          |
| 2019 | 3   | 20400        |                            | 101     | 23  | 21        | 0.08                          |
| 2019 | 3   | 20400        |                            | 101     | 24  | 21        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 25  | 19        | 0.10                          |
| 2019 | 3   | 20400        |                            | 101     | 26  | 21        | 0.09                          |
| 2019 | 3   | 20400        |                            | 101     | 27  | 20        | 0.08                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 20400        |                            | 101     | 28  | 21        | 0.09                          |
| 2019 | 3   | 20400        |                            | 101     | 29  | 20        | 0.11                          |
| 2019 | 3   | 20400        |                            | 101     | 30  | 21        | 0.08                          |
| 2019 | 3   | 20400        |                            | 101     | 31  | 20        | 0.14                          |
| 2019 | 3   | 23001        |                            | 101     | 1   | 21        | 0.11                          |
| 2019 | 3   | 23001        |                            | 101     | 2   | 13        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 3   | 20        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 4   | 21        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 5   | 20        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 23001        |                            | 101     | 7   | 20        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 9   | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 11  | 19        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 12  | 21        | 0.15                          |
| 2019 | 3   | 23001        |                            | 101     | 13  | 21        | 0.14                          |
| 2019 | 3   | 23001        |                            | 101     | 14  | 20        | 0.22                          |
| 2019 | 3   | 23001        |                            | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 23001        |                            | 101     | 16  | 21        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 17  | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 18  | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 19  | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 20  | 20        | 0.11                          |
| 2019 | 3   | 23001        |                            | 101     | 21  | 20        | 0.10                          |
| 2019 | 3   | 23001        |                            | 101     | 22  | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 23  | 20        | 0.15                          |
| 2019 | 3   | 23001        |                            | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 25  | 20        | 0.14                          |
| 2019 | 3   | 23001        |                            | 101     | 26  | 20        | 0.17                          |
| 2019 | 3   | 23001        |                            | 101     | 27  | 21        | 0.11                          |
| 2019 | 3   | 23001        |                            | 101     | 28  | 19        | 0.13                          |
| 2019 | 3   | 23001        |                            | 101     | 29  | 21        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 30  | 20        | 0.12                          |
| 2019 | 3   | 23001        |                            | 101     | 31  | 20        | 0.12                          |
| 2019 | 3   | 25126        |                            | 101     | 1   | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 2   | 20        | 0.22                          |
| 2019 | 3   | 25126        |                            | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 25126        |                            | 101     | 4   | 20        | 0.25                          |
| 2019 | 3   | 25126        |                            | 101     | 5   | 20        | 0.21                          |
| 2019 | 3   | 25126        |                            | 101     | 6   | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 25126        |                            | 101     | 8   | 20        | 0.41                          |
| 2019 | 3   | 25126        |                            | 101     | 9   | 19        | 0.25                          |
| 2019 | 3   | 25126        |                            | 101     | 10  | 19        | 0.26                          |
| 2019 | 3   | 25126        |                            | 101     | 11  | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 12  | 20        | 0.21                          |
| 2019 | 3   | 25126        |                            | 101     | 13  | 20        | 0.21                          |
| 2019 | 3   | 25126        |                            | 101     | 14  | 20        | 0.28                          |
| 2019 | 3   | 25126        |                            | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 25126        |                            | 101     | 16  | 20        | 0.25                          |
| 2019 | 3   | 25126        |                            | 101     | 17  | 19        | 0.28                          |
| 2019 | 3   | 25126        |                            | 101     | 18  | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 19  | 20        | 0.24                          |
| 2019 | 3   | 25126        |                            | 101     | 20  | 20        | 0.24                          |
| 2019 | 3   | 25126        |                            | 101     | 21  | 20        | 0.24                          |
| 2019 | 3   | 25126        |                            | 101     | 22  | 20        | 0.25                          |
| 2019 | 3   | 25126        |                            | 101     | 23  | 20        | 0.30                          |
| 2019 | 3   | 25126        |                            | 101     | 24  | 19        | 0.26                          |
| 2019 | 3   | 25126        |                            | 101     | 25  | 19        | 0.29                          |
| 2019 | 3   | 25126        |                            | 101     | 26  | 20        | 0.21                          |
| 2019 | 3   | 25126        |                            | 101     | 27  | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 28  | 20        | 0.23                          |
| 2019 | 3   | 25126        |                            | 101     | 29  | 20        | 0.27                          |
| 2019 | 3   | 25126        |                            | 101     | 30  | 20        | 0.64                          |
| 2019 | 3   | 25126        |                            | 101     | 31  | 19        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 1   | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 2   | 20        | 0.32                          |
| 2019 | 3   | 25175        |                            | 101     | 3   | 19        | 0.32                          |
| 2019 | 3   | 25175        |                            | 101     | 4   | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 5   | 20        | 0.29                          |
| 2019 | 3   | 25175        |                            | 101     | 6   | 20        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 7   | 20        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 8   | 20        | 0.26                          |
| 2019 | 3   | 25175        |                            | 101     | 9   | 19        | 0.29                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25175        |                            | 101     | 10  | 19        | 0.31                          |
| 2019 | 3   | 25175        |                            | 101     | 11  | 20        | 0.24                          |
| 2019 | 3   | 25175        |                            | 101     | 12  | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 13  | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 14  | 20        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 15  | 20        | 0.26                          |
| 2019 | 3   | 25175        |                            | 101     | 16  | 20        | 0.33                          |
| 2019 | 3   | 25175        |                            | 101     | 17  | 19        | 0.48                          |
| 2019 | 3   | 25175        |                            | 101     | 18  | 20        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 19  | 20        | 0.36                          |
| 2019 | 3   | 25175        |                            | 101     | 20  | 20        | 0.30                          |
| 2019 | 3   | 25175        |                            | 101     | 21  | 20        | 0.23                          |
| 2019 | 3   | 25175        |                            | 101     | 22  | 20        | 0.28                          |
| 2019 | 3   | 25175        |                            | 101     | 23  | 20        | 0.26                          |
| 2019 | 3   | 25175        |                            | 101     | 24  | 19        | 0.39                          |
| 2019 | 3   | 25175        |                            | 101     | 25  | 19        | 0.42                          |
| 2019 | 3   | 25175        |                            | 101     | 26  | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 27  | 20        | 0.24                          |
| 2019 | 3   | 25175        |                            | 101     | 28  | 20        | 0.32                          |
| 2019 | 3   | 25175        |                            | 101     | 29  | 20        | 0.25                          |
| 2019 | 3   | 25175        |                            | 101     | 30  | 20        | 0.29                          |
| 2019 | 3   | 25175        |                            | 101     | 31  | 19        | 0.32                          |
| 2019 | 3   | 25214        |                            | 101     | 1   | 20        | 0.31                          |
| 2019 | 3   | 25214        |                            | 101     | 2   | 20        | 0.31                          |
| 2019 | 3   | 25214        |                            | 101     | 3   | 19        | 0.34                          |
| 2019 | 3   | 25214        |                            | 101     | 4   | 20        | 0.35                          |
| 2019 | 3   | 25214        |                            | 101     | 5   | 20        | 0.30                          |
| 2019 | 3   | 25214        |                            | 101     | 6   | 20        | 0.30                          |
| 2019 | 3   | 25214        |                            | 101     | 7   | 20        | 0.33                          |
| 2019 | 3   | 25214        |                            | 101     | 8   | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 9   | 19        | 0.31                          |
| 2019 | 3   | 25214        |                            | 101     | 10  | 19        | 0.34                          |
| 2019 | 3   | 25214        |                            | 101     | 11  | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 12  | 20        | 0.31                          |
| 2019 | 3   | 25214        |                            | 101     | 13  | 20        | 0.29                          |
| 2019 | 3   | 25214        |                            | 101     | 14  | 20        | 0.26                          |
| 2019 | 3   | 25214        |                            | 101     | 15  | 20        | 0.29                          |
| 2019 | 3   | 25214        |                            | 101     | 16  | 20        | 0.27                          |
| 2019 | 3   | 25214        |                            | 101     | 17  | 19        | 0.34                          |
| 2019 | 3   | 25214        |                            | 101     | 18  | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 19  | 20        | 0.29                          |
| 2019 | 3   | 25214        |                            | 101     | 20  | 20        | 0.30                          |
| 2019 | 3   | 25214        |                            | 101     | 21  | 20        | 0.26                          |
| 2019 | 3   | 25214        |                            | 101     | 22  | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 23  | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 24  | 19        | 0.33                          |
| 2019 | 3   | 25214        |                            | 101     | 25  | 19        | 0.34                          |
| 2019 | 3   | 25214        |                            | 101     | 26  | 20        | 0.30                          |
| 2019 | 3   | 25214        |                            | 101     | 27  | 20        | 0.31                          |
| 2019 | 3   | 25214        |                            | 101     | 28  | 20        | 0.30                          |
| 2019 | 3   | 25214        |                            | 101     | 29  | 20        | 0.27                          |
| 2019 | 3   | 25214        |                            | 101     | 30  | 20        | 0.28                          |
| 2019 | 3   | 25214        |                            | 101     | 31  | 19        | 0.32                          |
| 2019 | 3   | 25269        |                            | 101     | 1   | 20        | 0.12                          |
| 2019 | 3   | 25269        |                            | 101     | 2   | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 3   | 19        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 5   | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 8   | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 10  | 19        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 11  | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 12  | 20        | 0.12                          |
| 2019 | 3   | 25269        |                            | 101     | 13  | 20        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 14  | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 15  | 20        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 16  | 20        | 0.12                          |
| 2019 | 3   | 25269        |                            | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 18  | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 20  | 20        | 0.15                          |
| 2019 | 3   | 25269        |                            | 101     | 21  | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 22  | 20        | 0.13                          |





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|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25269        |                            | 101     | 23  | 20        | 0.12                          |
| 2019 | 3   | 25269        |                            | 101     | 24  | 19        | 0.16                          |
| 2019 | 3   | 25269        |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 25269        |                            | 101     | 26  | 20        | 0.14                          |
| 2019 | 3   | 25269        |                            | 101     | 27  | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 28  | 20        | 0.13                          |
| 2019 | 3   | 25269        |                            | 101     | 29  | 20        | 0.10                          |
| 2019 | 3   | 25269        |                            | 101     | 30  | 20        | 0.11                          |
| 2019 | 3   | 25269        |                            | 101     | 31  | 19        | 0.12                          |
| 2019 | 3   | 25286        |                            | 101     | 1   | 20        | 0.22                          |
| 2019 | 3   | 25286        |                            | 101     | 2   | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 3   | 19        | 0.29                          |
| 2019 | 3   | 25286        |                            | 101     | 4   | 20        | 0.25                          |
| 2019 | 3   | 25286        |                            | 101     | 5   | 20        | 0.22                          |
| 2019 | 3   | 25286        |                            | 101     | 6   | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 8   | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 9   | 19        | 0.21                          |
| 2019 | 3   | 25286        |                            | 101     | 10  | 19        | 0.28                          |
| 2019 | 3   | 25286        |                            | 101     | 11  | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 12  | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 13  | 20        | 0.22                          |
| 2019 | 3   | 25286        |                            | 101     | 14  | 20        | 0.19                          |
| 2019 | 3   | 25286        |                            | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 25286        |                            | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 17  | 19        | 0.26                          |
| 2019 | 3   | 25286        |                            | 101     | 18  | 20        | 0.27                          |
| 2019 | 3   | 25286        |                            | 101     | 19  | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 20  | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 21  | 20        | 0.26                          |
| 2019 | 3   | 25286        |                            | 101     | 22  | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 23  | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 24  | 19        | 0.30                          |
| 2019 | 3   | 25286        |                            | 101     | 25  | 19        | 0.38                          |
| 2019 | 3   | 25286        |                            | 101     | 26  | 20        | 0.23                          |
| 2019 | 3   | 25286        |                            | 101     | 27  | 20        | 0.24                          |
| 2019 | 3   | 25286        |                            | 101     | 28  | 20        | 0.22                          |
| 2019 | 3   | 25286        |                            | 101     | 29  | 20        | 0.34                          |
| 2019 | 3   | 25286        |                            | 101     | 30  | 20        | 0.20                          |
| 2019 | 3   | 25286        |                            | 101     | 31  | 19        | 0.26                          |
| 2019 | 3   | 25290        |                            | 101     | 1   | 20        | 0.81                          |
| 2019 | 3   | 25290        |                            | 101     | 2   | 20        | 0.90                          |
| 2019 | 3   | 25290        |                            | 101     | 3   | 19        | 1.25                          |
| 2019 | 3   | 25290        |                            | 101     | 4   | 20        | 0.79                          |
| 2019 | 3   | 25290        |                            | 101     | 5   | 20        | 0.64                          |
| 2019 | 3   | 25290        |                            | 101     | 6   | 20        | 0.74                          |
| 2019 | 3   | 25290        |                            | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 25290        |                            | 101     | 8   | 20        | 0.26                          |
| 2019 | 3   | 25290        |                            | 101     | 9   | 19        | 0.26                          |
| 2019 | 3   | 25290        |                            | 101     | 10  | 19        | 0.34                          |
| 2019 | 3   | 25290        |                            | 101     | 11  | 20        | 0.20                          |
| 2019 | 3   | 25290        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 25290        |                            | 101     | 13  | 20        | 0.19                          |
| 2019 | 3   | 25290        |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 25290        |                            | 101     | 15  | 20        | 0.25                          |
| 2019 | 3   | 25290        |                            | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 25290        |                            | 101     | 17  | 19        | 0.27                          |
| 2019 | 3   | 25290        |                            | 101     | 18  | 20        | 0.18                          |
| 2019 | 3   | 25290        |                            | 101     | 19  | 20        | 0.22                          |
| 2019 | 3   | 25290        |                            | 101     | 20  | 20        | 0.21                          |
| 2019 | 3   | 25290        |                            | 101     | 21  | 20        | 0.20                          |
| 2019 | 3   | 25290        |                            | 101     | 22  | 20        | 0.24                          |
| 2019 | 3   | 25290        |                            | 101     | 23  | 20        | 0.29                          |
| 2019 | 3   | 25290        |                            | 101     | 24  | 19        | 0.29                          |
| 2019 | 3   | 25290        |                            | 101     | 25  | 19        | 0.37                          |
| 2019 | 3   | 25290        |                            | 101     | 26  | 20        | 0.20                          |
| 2019 | 3   | 25290        |                            | 101     | 27  | 20        | 0.16                          |
| 2019 | 3   | 25290        |                            | 101     | 28  | 20        | 0.16                          |
| 2019 | 3   | 25290        |                            | 101     | 29  | 20        | 0.19                          |
| 2019 | 3   | 25290        |                            | 101     | 30  | 20        | 0.19                          |
| 2019 | 3   | 25290        |                            | 101     | 31  | 19        | 0.23                          |
| 2019 | 3   | 25307        |                            | 101     | 1   | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 2   | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 3   | 19        | 0.10                          |
| 2019 | 3   | 25307        |                            | 101     | 4   | 20        | 0.10                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25307        |                            | 101     | 5   | 20        | 0.16                          |
| 2019 | 3   | 25307        |                            | 101     | 6   | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 7   | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 8   | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 9   | 19        | 0.11                          |
| 2019 | 3   | 25307        |                            | 101     | 10  | 19        | 0.14                          |
| 2019 | 3   | 25307        |                            | 101     | 11  | 20        | 0.10                          |
| 2019 | 3   | 25307        |                            | 101     | 12  | 20        | 0.07                          |
| 2019 | 3   | 25307        |                            | 101     | 13  | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 14  | 20        | 0.45                          |
| 2019 | 3   | 25307        |                            | 101     | 15  | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 16  | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 17  | 19        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 18  | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 19  | 20        | 0.06                          |
| 2019 | 3   | 25307        |                            | 101     | 20  | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 21  | 20        | 1.98                          |
| 2019 | 3   | 25307        |                            | 101     | 22  | 20        | 0.11                          |
| 2019 | 3   | 25307        |                            | 101     | 23  | 20        | 0.11                          |
| 2019 | 3   | 25307        |                            | 101     | 24  | 19        | 0.15                          |
| 2019 | 3   | 25307        |                            | 101     | 25  | 19        | 0.10                          |
| 2019 | 3   | 25307        |                            | 101     | 26  | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 27  | 20        | 0.07                          |
| 2019 | 3   | 25307        |                            | 101     | 28  | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 29  | 20        | 0.08                          |
| 2019 | 3   | 25307        |                            | 101     | 30  | 20        | 0.09                          |
| 2019 | 3   | 25307        |                            | 101     | 31  | 19        | 0.12                          |
| 2019 | 3   | 25430        |                            | 101     | 1   | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 25430        |                            | 101     | 3   | 19        | 0.26                          |
| 2019 | 3   | 25430        |                            | 101     | 4   | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 25430        |                            | 101     | 6   | 20        | 0.22                          |
| 2019 | 3   | 25430        |                            | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 8   | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 9   | 19        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 10  | 19        | 0.25                          |
| 2019 | 3   | 25430        |                            | 101     | 11  | 20        | 0.20                          |
| 2019 | 3   | 25430        |                            | 101     | 12  | 20        | 0.20                          |
| 2019 | 3   | 25430        |                            | 101     | 13  | 20        | 0.25                          |
| 2019 | 3   | 25430        |                            | 101     | 14  | 20        | 0.23                          |
| 2019 | 3   | 25430        |                            | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 25430        |                            | 101     | 16  | 20        | 0.20                          |
| 2019 | 3   | 25430        |                            | 101     | 17  | 19        | 0.24                          |
| 2019 | 3   | 25430        |                            | 101     | 18  | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 19  | 20        | 0.20                          |
| 2019 | 3   | 25430        |                            | 101     | 20  | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 21  | 20        | 0.24                          |
| 2019 | 3   | 25430        |                            | 101     | 22  | 20        | 0.23                          |
| 2019 | 3   | 25430        |                            | 101     | 23  | 20        | 0.23                          |
| 2019 | 3   | 25430        |                            | 101     | 24  | 19        | 0.28                          |
| 2019 | 3   | 25430        |                            | 101     | 25  | 19        | 0.33                          |
| 2019 | 3   | 25430        |                            | 101     | 26  | 20        | 0.23                          |
| 2019 | 3   | 25430        |                            | 101     | 27  | 20        | 0.21                          |
| 2019 | 3   | 25430        |                            | 101     | 28  | 20        | 0.24                          |
| 2019 | 3   | 25430        |                            | 101     | 29  | 20        | 0.24                          |
| 2019 | 3   | 25430        |                            | 101     | 30  | 20        | 0.22                          |
| 2019 | 3   | 25430        |                            | 101     | 31  | 19        | 0.27                          |
| 2019 | 3   | 25473        |                            | 101     | 1   | 20        | 0.20                          |
| 2019 | 3   | 25473        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 25473        |                            | 101     | 3   | 19        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 4   | 20        | 0.20                          |
| 2019 | 3   | 25473        |                            | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 25473        |                            | 101     | 6   | 20        | 0.19                          |
| 2019 | 3   | 25473        |                            | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 25473        |                            | 101     | 8   | 20        | 0.20                          |
| 2019 | 3   | 25473        |                            | 101     | 9   | 19        | 0.20                          |
| 2019 | 3   | 25473        |                            | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 25473        |                            | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 25473        |                            | 101     | 12  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 13  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 14  | 20        | 0.23                          |
| 2019 | 3   | 25473        |                            | 101     | 15  | 20        | 0.25                          |
| 2019 | 3   | 25473        |                            | 101     | 16  | 20        | 0.24                          |
| 2019 | 3   | 25473        |                            | 101     | 17  | 19        | 0.26                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25473        |                            | 101     | 18  | 20        | 0.21                          |
| 2019 | 3   | 25473        |                            | 101     | 19  | 20        | 0.21                          |
| 2019 | 3   | 25473        |                            | 101     | 20  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 21  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 23  | 20        | 0.25                          |
| 2019 | 3   | 25473        |                            | 101     | 24  | 19        | 0.27                          |
| 2019 | 3   | 25473        |                            | 101     | 25  | 19        | 0.46                          |
| 2019 | 3   | 25473        |                            | 101     | 26  | 20        | 0.22                          |
| 2019 | 3   | 25473        |                            | 101     | 27  | 20        | 0.21                          |
| 2019 | 3   | 25473        |                            | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 25473        |                            | 101     | 29  | 20        | 0.21                          |
| 2019 | 3   | 25473        |                            | 101     | 30  | 20        | 0.20                          |
| 2019 | 3   | 25473        |                            | 101     | 31  | 19        | 0.27                          |
| 2019 | 3   | 25612        |                            | 101     | 1   | 20        | 0.31                          |
| 2019 | 3   | 25612        |                            | 101     | 2   | 20        | 0.25                          |
| 2019 | 3   | 25612        |                            | 101     | 3   | 19        | 0.39                          |
| 2019 | 3   | 25612        |                            | 101     | 4   | 20        | 0.27                          |
| 2019 | 3   | 25612        |                            | 101     | 5   | 20        | 0.41                          |
| 2019 | 3   | 25612        |                            | 101     | 6   | 20        | 0.35                          |
| 2019 | 3   | 25612        |                            | 101     | 7   | 20        | 0.38                          |
| 2019 | 3   | 25612        |                            | 101     | 8   | 20        | 0.37                          |
| 2019 | 3   | 25612        |                            | 101     | 9   | 19        | 0.26                          |
| 2019 | 3   | 25612        |                            | 101     | 10  | 19        | 0.53                          |
| 2019 | 3   | 25612        |                            | 101     | 11  | 20        | 0.48                          |
| 2019 | 3   | 25612        |                            | 101     | 12  | 20        | 0.43                          |
| 2019 | 3   | 25612        |                            | 101     | 13  | 20        | 0.40                          |
| 2019 | 3   | 25612        |                            | 101     | 14  | 20        | 0.43                          |
| 2019 | 3   | 25612        |                            | 101     | 15  | 20        | 0.42                          |
| 2019 | 3   | 25612        |                            | 101     | 16  | 20        | 0.31                          |
| 2019 | 3   | 25612        |                            | 101     | 17  | 19        | 0.49                          |
| 2019 | 3   | 25612        |                            | 101     | 18  | 20        | 0.41                          |
| 2019 | 3   | 25612        |                            | 101     | 19  | 20        | 0.35                          |
| 2019 | 3   | 25612        |                            | 101     | 20  | 20        | 0.44                          |
| 2019 | 3   | 25612        |                            | 101     | 21  | 20        | 2.31                          |
| 2019 | 3   | 25612        |                            | 101     | 22  | 20        | 0.33                          |
| 2019 | 3   | 25612        |                            | 101     | 23  | 20        | 0.26                          |
| 2019 | 3   | 25612        |                            | 101     | 24  | 19        | 0.31                          |
| 2019 | 3   | 25612        |                            | 101     | 25  | 19        | 0.38                          |
| 2019 | 3   | 25612        |                            | 101     | 26  | 20        | 0.48                          |
| 2019 | 3   | 25612        |                            | 101     | 27  | 20        | 0.38                          |
| 2019 | 3   | 25612        |                            | 101     | 28  | 20        | 0.33                          |
| 2019 | 3   | 25612        |                            | 101     | 29  | 20        | 0.35                          |
| 2019 | 3   | 25612        |                            | 101     | 30  | 20        | 0.27                          |
| 2019 | 3   | 25612        |                            | 101     | 31  | 19        | 0.44                          |
| 2019 | 3   | 25754        |                            | 101     | 1   | 20        | 0.32                          |
| 2019 | 3   | 25754        |                            | 101     | 2   | 20        | 0.31                          |
| 2019 | 3   | 25754        |                            | 101     | 3   | 19        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 4   | 20        | 0.32                          |
| 2019 | 3   | 25754        |                            | 101     | 5   | 20        | 0.32                          |
| 2019 | 3   | 25754        |                            | 101     | 6   | 20        | 0.29                          |
| 2019 | 3   | 25754        |                            | 101     | 7   | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 8   | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 9   | 19        | 0.32                          |
| 2019 | 3   | 25754        |                            | 101     | 10  | 19        | 0.37                          |
| 2019 | 3   | 25754        |                            | 101     | 11  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 12  | 20        | 0.34                          |
| 2019 | 3   | 25754        |                            | 101     | 13  | 20        | 0.38                          |
| 2019 | 3   | 25754        |                            | 101     | 14  | 20        | 0.34                          |
| 2019 | 3   | 25754        |                            | 101     | 15  | 20        | 0.32                          |
| 2019 | 3   | 25754        |                            | 101     | 16  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 17  | 19        | 0.34                          |
| 2019 | 3   | 25754        |                            | 101     | 18  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 19  | 20        | 0.43                          |
| 2019 | 3   | 25754        |                            | 101     | 20  | 20        | 0.34                          |
| 2019 | 3   | 25754        |                            | 101     | 21  | 20        | 0.41                          |
| 2019 | 3   | 25754        |                            | 101     | 22  | 20        | 0.31                          |
| 2019 | 3   | 25754        |                            | 101     | 23  | 20        | 0.31                          |
| 2019 | 3   | 25754        |                            | 101     | 24  | 19        | 0.35                          |
| 2019 | 3   | 25754        |                            | 101     | 25  | 19        | 0.38                          |
| 2019 | 3   | 25754        |                            | 101     | 26  | 20        | 0.35                          |
| 2019 | 3   | 25754        |                            | 101     | 27  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 28  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 29  | 20        | 0.33                          |
| 2019 | 3   | 25754        |                            | 101     | 30  | 20        | 0.32                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25754        |                            | 101     | 31  | 19        | 0.32                          |
| 2019 | 3   | 25758        |                            | 101     | 1   | 20        | 0.19                          |
| 2019 | 3   | 25758        |                            | 101     | 2   | 20        | 0.16                          |
| 2019 | 3   | 25758        |                            | 101     | 3   | 19        | 0.21                          |
| 2019 | 3   | 25758        |                            | 101     | 4   | 20        | 0.17                          |
| 2019 | 3   | 25758        |                            | 101     | 5   | 20        | 0.24                          |
| 2019 | 3   | 25758        |                            | 101     | 6   | 20        | 0.18                          |
| 2019 | 3   | 25758        |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 25758        |                            | 101     | 8   | 20        | 0.21                          |
| 2019 | 3   | 25758        |                            | 101     | 9   | 19        | 0.23                          |
| 2019 | 3   | 25758        |                            | 101     | 10  | 19        | 0.22                          |
| 2019 | 3   | 25758        |                            | 101     | 11  | 20        | 0.16                          |
| 2019 | 3   | 25758        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 25758        |                            | 101     | 13  | 20        | 0.20                          |
| 2019 | 3   | 25758        |                            | 101     | 14  | 20        | 0.18                          |
| 2019 | 3   | 25758        |                            | 101     | 15  | 20        | 0.26                          |
| 2019 | 3   | 25758        |                            | 101     | 16  | 20        | 0.28                          |
| 2019 | 3   | 25758        |                            | 101     | 17  | 19        | 0.28                          |
| 2019 | 3   | 25758        |                            | 101     | 18  | 20        | 0.17                          |
| 2019 | 3   | 25758        |                            | 101     | 19  | 20        | 0.32                          |
| 2019 | 3   | 25758        |                            | 101     | 20  | 20        | 0.20                          |
| 2019 | 3   | 25758        |                            | 101     | 21  | 20        | 0.17                          |
| 2019 | 3   | 25758        |                            | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 25758        |                            | 101     | 23  | 20        | 0.21                          |
| 2019 | 3   | 25758        |                            | 101     | 24  | 19        | 0.21                          |
| 2019 | 3   | 25758        |                            | 101     | 25  | 19        | 0.24                          |
| 2019 | 3   | 25758        |                            | 101     | 26  | 20        | 0.20                          |
| 2019 | 3   | 25758        |                            | 101     | 27  | 20        | 0.21                          |
| 2019 | 3   | 25758        |                            | 101     | 28  | 20        | 0.16                          |
| 2019 | 3   | 25758        |                            | 101     | 29  | 20        | 0.33                          |
| 2019 | 3   | 25758        |                            | 101     | 30  | 20        | 0.16                          |
| 2019 | 3   | 25758        |                            | 101     | 31  | 19        | 0.25                          |
| 2019 | 3   | 25799        |                            | 101     | 1   | 20        | 0.36                          |
| 2019 | 3   | 25799        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 25799        |                            | 101     | 3   | 19        | 0.24                          |
| 2019 | 3   | 25799        |                            | 101     | 4   | 20        | 1.69                          |
| 2019 | 3   | 25799        |                            | 101     | 5   | 20        | 0.18                          |
| 2019 | 3   | 25799        |                            | 101     | 6   | 20        | 0.18                          |
| 2019 | 3   | 25799        |                            | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 25799        |                            | 101     | 8   | 20        | 0.20                          |
| 2019 | 3   | 25799        |                            | 101     | 9   | 19        | 0.21                          |
| 2019 | 3   | 25799        |                            | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 25799        |                            | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 25799        |                            | 101     | 12  | 20        | 0.45                          |
| 2019 | 3   | 25799        |                            | 101     | 13  | 20        | 0.16                          |
| 2019 | 3   | 25799        |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 25799        |                            | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 25799        |                            | 101     | 16  | 20        | 0.22                          |
| 2019 | 3   | 25799        |                            | 101     | 17  | 19        | 0.21                          |
| 2019 | 3   | 25799        |                            | 101     | 18  | 20        | 0.18                          |
| 2019 | 3   | 25799        |                            | 101     | 19  | 20        | 0.22                          |
| 2019 | 3   | 25799        |                            | 101     | 20  | 20        | 0.19                          |
| 2019 | 3   | 25799        |                            | 101     | 21  | 20        | 0.39                          |
| 2019 | 3   | 25799        |                            | 101     | 22  | 20        | 0.23                          |
| 2019 | 3   | 25799        |                            | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 25799        |                            | 101     | 24  | 19        | 0.22                          |
| 2019 | 3   | 25799        |                            | 101     | 25  | 19        | 0.23                          |
| 2019 | 3   | 25799        |                            | 101     | 26  | 20        | 0.34                          |
| 2019 | 3   | 25799        |                            | 101     | 27  | 20        | 0.43                          |
| 2019 | 3   | 25799        |                            | 101     | 28  | 20        | 0.26                          |
| 2019 | 3   | 25799        |                            | 101     | 29  | 20        | 0.23                          |
| 2019 | 3   | 25799        |                            | 101     | 30  | 20        | 0.15                          |
| 2019 | 3   | 25799        |                            | 101     | 31  | 19        | 0.18                          |
| 2019 | 3   | 25817        |                            | 101     | 1   | 20        | 0.16                          |
| 2019 | 3   | 25817        |                            | 101     | 2   | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 3   | 19        | 0.17                          |
| 2019 | 3   | 25817        |                            | 101     | 4   | 20        | 0.16                          |
| 2019 | 3   | 25817        |                            | 101     | 5   | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 6   | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 25817        |                            | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 9   | 19        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 10  | 19        | 0.18                          |
| 2019 | 3   | 25817        |                            | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 12  | 20        | 0.16                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 25817        |                            | 101     | 13  | 20        | 0.11                          |
| 2019 | 3   | 25817        |                            | 101     | 14  | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 25817        |                            | 101     | 16  | 20        | 0.12                          |
| 2019 | 3   | 25817        |                            | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 18  | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 21  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 22  | 20        | 0.14                          |
| 2019 | 3   | 25817        |                            | 101     | 23  | 20        | 0.17                          |
| 2019 | 3   | 25817        |                            | 101     | 24  | 19        | 0.16                          |
| 2019 | 3   | 25817        |                            | 101     | 25  | 19        | 0.20                          |
| 2019 | 3   | 25817        |                            | 101     | 26  | 20        | 0.10                          |
| 2019 | 3   | 25817        |                            | 101     | 27  | 20        | 0.12                          |
| 2019 | 3   | 25817        |                            | 101     | 28  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 29  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 30  | 20        | 0.13                          |
| 2019 | 3   | 25817        |                            | 101     | 31  | 19        | 0.19                          |
| 2019 | 3   | 25899        |                            | 101     | 1   | 20        | 0.25                          |
| 2019 | 3   | 25899        |                            | 101     | 2   | 20        | 0.26                          |
| 2019 | 3   | 25899        |                            | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 25899        |                            | 101     | 4   | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 25899        |                            | 101     | 6   | 20        | 0.23                          |
| 2019 | 3   | 25899        |                            | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 8   | 20        | 0.22                          |
| 2019 | 3   | 25899        |                            | 101     | 9   | 19        | 0.22                          |
| 2019 | 3   | 25899        |                            | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 25899        |                            | 101     | 11  | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 12  | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 13  | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 25899        |                            | 101     | 15  | 20        | 1.18                          |
| 2019 | 3   | 25899        |                            | 101     | 16  | 20        | 0.22                          |
| 2019 | 3   | 25899        |                            | 101     | 17  | 19        | 0.24                          |
| 2019 | 3   | 25899        |                            | 101     | 18  | 20        | 0.20                          |
| 2019 | 3   | 25899        |                            | 101     | 19  | 20        | 0.18                          |
| 2019 | 3   | 25899        |                            | 101     | 20  | 20        | 0.18                          |
| 2019 | 3   | 25899        |                            | 101     | 21  | 20        | 0.20                          |
| 2019 | 3   | 25899        |                            | 101     | 22  | 20        | 0.24                          |
| 2019 | 3   | 25899        |                            | 101     | 23  | 20        | 0.28                          |
| 2019 | 3   | 25899        |                            | 101     | 24  | 19        | 0.25                          |
| 2019 | 3   | 25899        |                            | 101     | 25  | 19        | 0.26                          |
| 2019 | 3   | 25899        |                            | 101     | 26  | 20        | 0.22                          |
| 2019 | 3   | 25899        |                            | 101     | 27  | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 25899        |                            | 101     | 29  | 20        | 0.21                          |
| 2019 | 3   | 25899        |                            | 101     | 30  | 20        | 0.23                          |
| 2019 | 3   | 25899        |                            | 101     | 31  | 19        | 0.22                          |
| 2019 | 3   | 27001        |                            | 102     | 1   | 21        | 0.29                          |
| 2019 | 3   | 27001        |                            | 102     | 2   | 21        | 0.28                          |
| 2019 | 3   | 27001        |                            | 102     | 3   | 17        | 0.23                          |
| 2019 | 3   | 27001        |                            | 102     | 4   | 21        | 0.24                          |
| 2019 | 3   | 27001        |                            | 102     | 5   | 21        | 0.24                          |
| 2019 | 3   | 27001        |                            | 102     | 6   | 20        | 0.28                          |
| 2019 | 3   | 27001        |                            | 102     | 7   | 21        | 0.29                          |
| 2019 | 3   | 27001        |                            | 102     | 8   | 22        | 0.23                          |
| 2019 | 3   | 27001        |                            | 102     | 9   | 21        | 0.30                          |
| 2019 | 3   | 27001        |                            | 102     | 10  | 21        | 0.28                          |
| 2019 | 3   | 27001        |                            | 102     | 11  | 21        | 0.27                          |
| 2019 | 3   | 27001        |                            | 102     | 12  | 21        | 0.28                          |
| 2019 | 3   | 27001        |                            | 102     | 13  | 21        | 0.30                          |
| 2019 | 3   | 27001        |                            | 102     | 14  | 21        | 0.33                          |
| 2019 | 3   | 27001        |                            | 102     | 15  | 21        | 0.32                          |
| 2019 | 3   | 27001        |                            | 102     | 16  | 22        | 0.23                          |
| 2019 | 3   | 27001        |                            | 102     | 17  | 21        | 0.30                          |
| 2019 | 3   | 27001        |                            | 102     | 18  | 21        | 0.27                          |
| 2019 | 3   | 27001        |                            | 102     | 19  | 21        | 0.39                          |
| 2019 | 3   | 27001        |                            | 102     | 20  | 22        | 0.24                          |
| 2019 | 3   | 27001        |                            | 102     | 21  | 14        | 0.18                          |
| 2019 | 3   | 27001        |                            | 102     | 22  | 22        | 0.27                          |
| 2019 | 3   | 27001        |                            | 102     | 23  | 19        | 0.24                          |
| 2019 | 3   | 27001        |                            | 102     | 24  | 19        | 0.33                          |
| 2019 | 3   | 27001        |                            | 102     | 25  | 20        | 0.27                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 27001        |                            | 102     | 26  | 21        | 0.27                          |
| 2019 | 3   | 27001        |                            | 102     | 27  | 21        | 0.27                          |
| 2019 | 3   | 27001        |                            | 102     | 28  | 21        | 0.33                          |
| 2019 | 3   | 27001        |                            | 102     | 29  | 13        | 0.19                          |
| 2019 | 3   | 27001        |                            | 102     | 30  | 16        | 0.20                          |
| 2019 | 3   | 27001        |                            | 102     | 31  | 18        | 0.43                          |
| 2019 | 3   | 41001        |                            | 101     | 1   | 21        | 0.18                          |
| 2019 | 3   | 41001        |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 41001        |                            | 101     | 3   | 20        | 0.18                          |
| 2019 | 3   | 41001        |                            | 101     | 4   | 21        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 5   | 16        | 0.15                          |
| 2019 | 3   | 41001        |                            | 101     | 6   | 16        | 0.14                          |
| 2019 | 3   | 41001        |                            | 101     | 7   | 18        | 0.16                          |
| 2019 | 3   | 41001        |                            | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 41001        |                            | 101     | 9   | 20        | 0.20                          |
| 2019 | 3   | 41001        |                            | 101     | 10  | 19        | 0.21                          |
| 2019 | 3   | 41001        |                            | 101     | 11  | 17        | 0.17                          |
| 2019 | 3   | 41001        |                            | 101     | 12  | 16        | 0.15                          |
| 2019 | 3   | 41001        |                            | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 41001        |                            | 101     | 14  | 13        | 0.18                          |
| 2019 | 3   | 41001        |                            | 101     | 15  | 17        | 0.16                          |
| 2019 | 3   | 41001        |                            | 101     | 16  | 18        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 17  | 19        | 0.23                          |
| 2019 | 3   | 41001        |                            | 101     | 18  | 17        | 0.15                          |
| 2019 | 3   | 41001        |                            | 101     | 19  | 20        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 20  | 18        | 0.20                          |
| 2019 | 3   | 41001        |                            | 101     | 21  | 19        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 22  | 21        | 0.20                          |
| 2019 | 3   | 41001        |                            | 101     | 23  | 11        | 0.16                          |
| 2019 | 3   | 41001        |                            | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 41001        |                            | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 26  | 18        | 0.14                          |
| 2019 | 3   | 41001        |                            | 101     | 27  | 20        | 0.17                          |
| 2019 | 3   | 41001        |                            | 101     | 28  | 18        | 0.19                          |
| 2019 | 3   | 41001        |                            | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 41001        |                            | 101     | 30  | 14        | 0.17                          |
| 2019 | 3   | 41001        |                            | 101     | 31  | 18        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 1   | 21        | 0.21                          |
| 2019 | 3   | 41551        |                            | 101     | 2   | 20        | 0.21                          |
| 2019 | 3   | 41551        |                            | 101     | 3   | 20        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 4   | 21        | 0.19                          |
| 2019 | 3   | 41551        |                            | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 6   | 21        | 0.15                          |
| 2019 | 3   | 41551        |                            | 101     | 7   | 21        | 0.15                          |
| 2019 | 3   | 41551        |                            | 101     | 8   | 21        | 0.16                          |
| 2019 | 3   | 41551        |                            | 101     | 9   | 20        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 11  | 20        | 0.16                          |
| 2019 | 3   | 41551        |                            | 101     | 12  | 21        | 0.24                          |
| 2019 | 3   | 41551        |                            | 101     | 13  | 21        | 0.16                          |
| 2019 | 3   | 41551        |                            | 101     | 14  | 21        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 15  | 21        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 41551        |                            | 101     | 17  | 21        | 0.23                          |
| 2019 | 3   | 41551        |                            | 101     | 18  | 21        | 0.16                          |
| 2019 | 3   | 41551        |                            | 101     | 19  | 21        | 0.20                          |
| 2019 | 3   | 41551        |                            | 101     | 20  | 20        | 0.19                          |
| 2019 | 3   | 41551        |                            | 101     | 21  | 20        | 0.19                          |
| 2019 | 3   | 41551        |                            | 101     | 22  | 20        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 23  | 21        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 41551        |                            | 101     | 25  | 19        | 0.22                          |
| 2019 | 3   | 41551        |                            | 101     | 26  | 20        | 0.17                          |
| 2019 | 3   | 41551        |                            | 101     | 27  | 21        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 28  | 21        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 29  | 19        | 0.18                          |
| 2019 | 3   | 41551        |                            | 101     | 30  | 21        | 0.14                          |
| 2019 | 3   | 41551        |                            | 101     | 31  | 20        | 0.20                          |
| 2019 | 3   | 44001        |                            | 101     | 1   | 21        | 0.99                          |
| 2019 | 3   | 44001        |                            | 101     | 2   | 20        | 0.91                          |
| 2019 | 3   | 44001        |                            | 101     | 3   | 20        | 0.90                          |
| 2019 | 3   | 44001        |                            | 101     | 4   | 20        | 0.91                          |
| 2019 | 3   | 44001        |                            | 101     | 5   | 21        | 0.21                          |
| 2019 | 3   | 44001        |                            | 101     | 6   | 20        | 0.27                          |
| 2019 | 3   | 44001        |                            | 101     | 7   | 21        | 0.21                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 44001        |                            | 101     | 8   | 20        | 0.29                          |
| 2019 | 3   | 44001        |                            | 101     | 9   | 20        | 0.30                          |
| 2019 | 3   | 44001        |                            | 101     | 10  | 20        | 0.23                          |
| 2019 | 3   | 44001        |                            | 101     | 11  | 21        | 0.21                          |
| 2019 | 3   | 44001        |                            | 101     | 12  | 21        | 0.19                          |
| 2019 | 3   | 44001        |                            | 101     | 13  | 21        | 0.25                          |
| 2019 | 3   | 44001        |                            | 101     | 14  | 20        | 0.24                          |
| 2019 | 3   | 44001        |                            | 101     | 15  | 21        | 0.21                          |
| 2019 | 3   | 44001        |                            | 101     | 16  | 21        | 0.27                          |
| 2019 | 3   | 44001        |                            | 101     | 17  | 21        | 0.18                          |
| 2019 | 3   | 44001        |                            | 101     | 18  | 21        | 0.17                          |
| 2019 | 3   | 44001        |                            | 101     | 19  | 21        | 0.18                          |
| 2019 | 3   | 44001        |                            | 101     | 20  | 21        | 0.18                          |
| 2019 | 3   | 44001        |                            | 101     | 21  | 21        | 0.23                          |
| 2019 | 3   | 44001        |                            | 101     | 22  | 21        | 0.22                          |
| 2019 | 3   | 44001        |                            | 101     | 23  | 21        | 0.20                          |
| 2019 | 3   | 44001        |                            | 101     | 24  | 21        | 0.20                          |
| 2019 | 3   | 44001        |                            | 101     | 25  | 19        | 0.23                          |
| 2019 | 3   | 44001        |                            | 101     | 26  | 21        | 0.20                          |
| 2019 | 3   | 44001        |                            | 101     | 27  | 21        | 0.21                          |
| 2019 | 3   | 44001        |                            | 101     | 28  | 21        | 0.21                          |
| 2019 | 3   | 44001        |                            | 101     | 29  | 21        | 0.23                          |
| 2019 | 3   | 44001        |                            | 101     | 30  | 21        | 0.24                          |
| 2019 | 3   | 44001        |                            | 101     | 31  | 19        | 0.24                          |
| 2019 | 3   | 44430        |                            | 101     | 1   | 21        | 0.17                          |
| 2019 | 3   | 44430        |                            | 101     | 2   | 21        | 0.20                          |
| 2019 | 3   | 44430        |                            | 101     | 3   | 20        | 0.21                          |
| 2019 | 3   | 44430        |                            | 101     | 4   | 21        | 0.23                          |
| 2019 | 3   | 44430        |                            | 101     | 5   | 20        | 0.21                          |
| 2019 | 3   | 44430        |                            | 101     | 6   | 21        | 0.16                          |
| 2019 | 3   | 44430        |                            | 101     | 7   | 21        | 0.18                          |
| 2019 | 3   | 44430        |                            | 101     | 8   | 20        | 0.23                          |
| 2019 | 3   | 44430        |                            | 101     | 9   | 21        | 0.20                          |
| 2019 | 3   | 44430        |                            | 101     | 10  | 20        | 0.19                          |
| 2019 | 3   | 44430        |                            | 101     | 11  | 21        | 0.19                          |
| 2019 | 3   | 44430        |                            | 101     | 12  | 20        | 0.18                          |
| 2019 | 3   | 44430        |                            | 101     | 13  | 21        | 0.21                          |
| 2019 | 3   | 44430        |                            | 101     | 14  | 21        | 0.22                          |
| 2019 | 3   | 44430        |                            | 101     | 15  | 21        | 0.23                          |
| 2019 | 3   | 44430        |                            | 101     | 16  | 20        | 0.34                          |
| 2019 | 3   | 44430        |                            | 101     | 17  | 20        | 0.23                          |
| 2019 | 3   | 44430        |                            | 101     | 18  | 21        | 0.20                          |
| 2019 | 3   | 44430        |                            | 101     | 19  | 21        | 0.20                          |
| 2019 | 3   | 44430        |                            | 101     | 20  | 20        | 0.22                          |
| 2019 | 3   | 44430        |                            | 101     | 21  | 20        | 0.30                          |
| 2019 | 3   | 44430        |                            | 101     | 22  | 21        | 0.25                          |
| 2019 | 3   | 44430        |                            | 101     | 23  | 20        | 0.20                          |
| 2019 | 3   | 44430        |                            | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 44430        |                            | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 44430        |                            | 101     | 26  | 21        | 0.17                          |
| 2019 | 3   | 44430        |                            | 101     | 27  | 21        | 0.17                          |
| 2019 | 3   | 44430        |                            | 101     | 28  | 21        | 0.18                          |
| 2019 | 3   | 44430        |                            | 101     | 29  | 21        | 0.16                          |
| 2019 | 3   | 44430        |                            | 101     | 30  | 21        | 0.19                          |
| 2019 | 3   | 44430        |                            | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 44560        |                            | 101     | 1   | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 2   | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 3   | 20        | 0.21                          |
| 2019 | 3   | 44560        |                            | 101     | 4   | 21        | 0.00                          |
| 2019 | 3   | 44560        |                            | 101     | 5   | 20        | 0.07                          |
| 2019 | 3   | 44560        |                            | 101     | 6   | 21        | 0.10                          |
| 2019 | 3   | 44560        |                            | 101     | 7   | 21        | 0.08                          |
| 2019 | 3   | 44560        |                            | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 44560        |                            | 101     | 9   | 21        | 0.14                          |
| 2019 | 3   | 44560        |                            | 101     | 10  | 20        | 0.59                          |
| 2019 | 3   | 44560        |                            | 101     | 11  | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 12  | 20        | 0.00                          |
| 2019 | 3   | 44560        |                            | 101     | 13  | 21        | 0.58                          |
| 2019 | 3   | 44560        |                            | 101     | 14  | 21        | 0.35                          |
| 2019 | 3   | 44560        |                            | 101     | 15  | 21        | 0.20                          |
| 2019 | 3   | 44560        |                            | 101     | 16  | 20        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 17  | 20        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 18  | 21        | 0.00                          |
| 2019 | 3   | 44560        |                            | 101     | 19  | 21        | 0.07                          |
| 2019 | 3   | 44560        |                            | 101     | 20  | 20        | 0.03                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 44560        |                            | 101     | 21  | 20        | 0.21                          |
| 2019 | 3   | 44560        |                            | 101     | 22  | 21        | 0.22                          |
| 2019 | 3   | 44560        |                            | 101     | 23  | 20        | 0.00                          |
| 2019 | 3   | 44560        |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 44560        |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 44560        |                            | 101     | 26  | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 27  | 21        | 0.00                          |
| 2019 | 3   | 44560        |                            | 101     | 28  | 21        | 0.08                          |
| 2019 | 3   | 44560        |                            | 101     | 29  | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 30  | 21        | 0.04                          |
| 2019 | 3   | 44560        |                            | 101     | 31  | 20        | 0.03                          |
| 2019 | 3   | 44847        |                            | 101     | 1   | 21        | 0.62                          |
| 2019 | 3   | 44847        |                            | 101     | 2   | 21        | 0.36                          |
| 2019 | 3   | 44847        |                            | 101     | 3   | 20        | 0.44                          |
| 2019 | 3   | 44847        |                            | 101     | 4   | 21        | 0.27                          |
| 2019 | 3   | 44847        |                            | 101     | 5   | 20        | 0.13                          |
| 2019 | 3   | 44847        |                            | 101     | 6   | 21        | 0.23                          |
| 2019 | 3   | 44847        |                            | 101     | 7   | 21        | 0.24                          |
| 2019 | 3   | 44847        |                            | 101     | 8   | 20        | 0.50                          |
| 2019 | 3   | 44847        |                            | 101     | 9   | 21        | 0.63                          |
| 2019 | 3   | 44847        |                            | 101     | 10  | 20        | 0.19                          |
| 2019 | 3   | 44847        |                            | 101     | 11  | 21        | 0.13                          |
| 2019 | 3   | 44847        |                            | 101     | 12  | 20        | 2.76                          |
| 2019 | 3   | 44847        |                            | 101     | 13  | 21        | 0.26                          |
| 2019 | 3   | 44847        |                            | 101     | 14  | 21        | 0.56                          |
| 2019 | 3   | 44847        |                            | 101     | 15  | 21        | 0.56                          |
| 2019 | 3   | 44847        |                            | 101     | 16  | 20        | 0.72                          |
| 2019 | 3   | 44847        |                            | 101     | 17  | 20        | 0.70                          |
| 2019 | 3   | 44847        |                            | 101     | 18  | 21        | 0.33                          |
| 2019 | 3   | 44847        |                            | 101     | 19  | 21        | 0.12                          |
| 2019 | 3   | 44847        |                            | 101     | 20  | 20        | 0.56                          |
| 2019 | 3   | 44847        |                            | 101     | 21  | 20        | 0.78                          |
| 2019 | 3   | 44847        |                            | 101     | 22  | 21        | 0.82                          |
| 2019 | 3   | 44847        |                            | 101     | 23  | 20        | 1.81                          |
| 2019 | 3   | 44847        |                            | 101     | 24  | 20        | 0.63                          |
| 2019 | 3   | 44847        |                            | 101     | 25  | 19        | 0.37                          |
| 2019 | 3   | 44847        |                            | 101     | 26  | 21        | 0.24                          |
| 2019 | 3   | 44847        |                            | 101     | 27  | 21        | 0.19                          |
| 2019 | 3   | 44847        |                            | 101     | 28  | 21        | 1.44                          |
| 2019 | 3   | 44847        |                            | 101     | 29  | 21        | 1.65                          |
| 2019 | 3   | 44847        |                            | 101     | 30  | 21        | 1.47                          |
| 2019 | 3   | 44847        |                            | 101     | 31  | 20        | 0.29                          |
| 2019 | 3   | 47001        |                            | 101     | 1   | 19        | 0.15                          |
| 2019 | 3   | 47001        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 47001        |                            | 101     | 3   | 18        | 0.18                          |
| 2019 | 3   | 47001        |                            | 101     | 4   | 19        | 0.16                          |
| 2019 | 3   | 47001        |                            | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 47001        |                            | 101     | 6   | 21        | 0.17                          |
| 2019 | 3   | 47001        |                            | 101     | 7   | 19        | 0.15                          |
| 2019 | 3   | 47001        |                            | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 47001        |                            | 101     | 9   | 20        | 0.16                          |
| 2019 | 3   | 47001        |                            | 101     | 10  | 20        | 0.16                          |
| 2019 | 3   | 47001        |                            | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 47001        |                            | 101     | 13  | 21        | 0.16                          |
| 2019 | 3   | 47001        |                            | 101     | 14  | 21        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 15  | 19        | 0.12                          |
| 2019 | 3   | 47001        |                            | 101     | 16  | 21        | 0.12                          |
| 2019 | 3   | 47001        |                            | 101     | 17  | 18        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 18  | 20        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 19  | 21        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 21  | 19        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 22  | 20        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 23  | 21        | 0.12                          |
| 2019 | 3   | 47001        |                            | 101     | 24  | 19        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 26  | 19        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 27  | 20        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 28  | 19        | 0.13                          |
| 2019 | 3   | 47001        |                            | 101     | 29  | 20        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 30  | 20        | 0.14                          |
| 2019 | 3   | 47001        |                            | 101     | 31  | 19        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 1   | 19        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 2   | 20        | 0.15                          |





## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 47001        | 4700101                    | 101     | 3   | 18        | 0.13                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 4   | 19        | 0.17                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 5   | 21        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 6   | 21        | 0.18                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 7   | 19        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 9   | 20        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 10  | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 13  | 21        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 14  | 21        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 15  | 19        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 16  | 21        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 17  | 18        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 18  | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 19  | 21        | 0.19                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 21  | 19        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 22  | 20        | 0.17                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 23  | 21        | 0.16                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 24  | 19        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 25  | 19        | 0.17                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 26  | 19        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 27  | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 28  | 19        | 0.14                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 29  | 20        | 0.17                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 30  | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700101                    | 101     | 31  | 19        | 0.17                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 1   | 19        | 0.15                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 2   | 20        | 0.29                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 3   | 18        | 0.21                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 4   | 19        | 0.17                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 5   | 21        | 0.19                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 6   | 21        | 0.20                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 7   | 19        | 0.16                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 9   | 20        | 0.18                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 11  | 20        | 0.17                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 13  | 21        | 0.18                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 14  | 21        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 15  | 19        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 16  | 21        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 17  | 18        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 18  | 20        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 19  | 21        | 0.10                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 20  | 20        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 21  | 19        | 0.10                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 22  | 20        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 23  | 21        | 0.10                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 24  | 19        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 26  | 19        | 0.11                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 27  | 20        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 28  | 19        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 29  | 20        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 30  | 20        | 0.12                          |
| 2019 | 3   | 47001        | 4700102                    | 101     | 31  | 19        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 1   | 19        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 2   | 20        | 0.11                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 3   | 18        | 0.22                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 4   | 19        | 0.13                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 6   | 21        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 7   | 19        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 9   | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 10  | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 11  | 20        | 0.12                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 12  | 20        | 0.09                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 13  | 21        | 0.12                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 14  | 21        | 0.15                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 15  | 19        | 0.11                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 47001        | 4700103                    | 101     | 16  | 21        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 17  | 18        | 0.16                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 18  | 20        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 19  | 21        | 0.11                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 20  | 20        | 0.15                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 21  | 19        | 0.16                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 22  | 20        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 23  | 21        | 0.11                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 24  | 19        | 0.12                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 26  | 19        | 0.11                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 28  | 19        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 29  | 20        | 0.10                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 30  | 20        | 0.14                          |
| 2019 | 3   | 47001        | 4700103                    | 101     | 31  | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 1   | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 2   | 21        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 3   | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 50001        |                            | 101     | 5   | 19        | 0.12                          |
| 2019 | 3   | 50001        |                            | 101     | 6   | 21        | 0.11                          |
| 2019 | 3   | 50001        |                            | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 50001        |                            | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 50001        |                            | 101     | 9   | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 10  | 15        | 0.69                          |
| 2019 | 3   | 50001        |                            | 101     | 11  | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 12  | 17        | 0.12                          |
| 2019 | 3   | 50001        |                            | 101     | 13  | 16        | 0.14                          |
| 2019 | 3   | 50001        |                            | 101     | 14  | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 15  | 11        | 0.14                          |
| 2019 | 3   | 50001        |                            | 101     | 16  | 21        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 18  | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 21  | 13        | 0.16                          |
| 2019 | 3   | 50001        |                            | 101     | 22  | 19        | 0.14                          |
| 2019 | 3   | 50001        |                            | 101     | 23  | 21        | 0.24                          |
| 2019 | 3   | 50001        |                            | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 50001        |                            | 101     | 25  | 19        | 0.15                          |
| 2019 | 3   | 50001        |                            | 101     | 26  | 20        | 0.12                          |
| 2019 | 3   | 50001        |                            | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 28  | 21        | 0.11                          |
| 2019 | 3   | 50001        |                            | 101     | 29  | 19        | 0.13                          |
| 2019 | 3   | 50001        |                            | 101     | 30  | 19        | 0.14                          |
| 2019 | 3   | 50001        |                            | 101     | 31  | 15        | 0.15                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 1   | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 2   | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 3   | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 4   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 5   | 19        | 0.08                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 6   | 21        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 7   | 20        | 0.07                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 8   | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 9   | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 10  | 15        | 0.14                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 11  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 12  | 17        | 0.14                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 13  | 16        | 0.11                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 14  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 15  | 11        | 0.10                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 16  | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 18  | 19        | 0.11                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 19  | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 20  | 20        | 0.08                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 21  | 13        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 22  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 23  | 21        | 0.15                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 25  | 19        | 0.16                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 26  | 20        | 0.08                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 27  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 28  | 21        | 0.08                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 50001        | 5000101                    | 101     | 29  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000101                    | 101     | 31  | 15        | 0.15                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 3   | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 5   | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 6   | 21        | 0.07                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 7   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 8   | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 9   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 10  | 15        | 0.15                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 11  | 19        | 0.08                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 12  | 17        | 0.11                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 13  | 16        | 0.13                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 14  | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 15  | 11        | 0.16                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 16  | 21        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 17  | 19        | 0.11                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 18  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 19  | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 20  | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 21  | 13        | 0.13                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 22  | 19        | 0.11                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 23  | 21        | 0.10                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 26  | 20        | 0.07                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 27  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 28  | 21        | 0.07                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 29  | 19        | 0.10                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 30  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000102                    | 101     | 31  | 15        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 2   | 21        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 3   | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 5   | 19        | 0.06                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 6   | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 7   | 20        | 0.34                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 8   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 9   | 20        | 0.06                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 10  | 15        | 0.12                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 11  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 12  | 17        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 13  | 16        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 14  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 15  | 11        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 16  | 21        | 0.08                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 17  | 19        | 0.07                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 18  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 19  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 20  | 20        | 0.07                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 21  | 13        | 0.33                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 22  | 19        | 0.10                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 23  | 21        | 0.13                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 25  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 26  | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 27  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 28  | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 29  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 30  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000103                    | 101     | 31  | 15        | 0.11                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 1   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 2   | 21        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 3   | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 4   | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 5   | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 6   | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 7   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 9   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 10  | 15        | 3.95                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 50001        | 5000104                    | 101     | 11  | 19        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 12  | 17        | 0.14                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 13  | 16        | 0.20                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 14  | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 15  | 11        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 16  | 21        | 0.13                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 18  | 19        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 19  | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 21  | 13        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 22  | 19        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 23  | 21        | 0.16                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 24  | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 25  | 19        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 28  | 21        | 0.12                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 30  | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000104                    | 101     | 31  | 15        | 0.25                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 1   | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 2   | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 3   | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 5   | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 6   | 21        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 8   | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 9   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 10  | 15        | 0.40                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 11  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 12  | 17        | 0.10                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 13  | 16        | 0.14                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 15  | 11        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 16  | 21        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 18  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 19  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 20  | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 21  | 13        | 0.14                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 22  | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 23  | 21        | 0.16                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 25  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 27  | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 28  | 21        | 0.11                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 29  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000105                    | 101     | 31  | 15        | 0.11                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 1   | 20        | 0.23                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 2   | 21        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 4   | 20        | 0.18                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 5   | 19        | 0.16                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 6   | 21        | 0.15                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 8   | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 9   | 20        | 0.19                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 10  | 15        | 0.46                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 11  | 19        | 0.17                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 12  | 17        | 0.16                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 13  | 16        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 14  | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 15  | 11        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 16  | 21        | 0.20                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 17  | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 18  | 19        | 0.18                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 19  | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 20  | 20        | 0.21                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 21  | 13        | 0.15                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 22  | 19        | 0.19                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 23  | 21        | 0.21                          |



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|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 50001        | 5000106                    | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 26  | 20        | 0.17                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 27  | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 28  | 21        | 0.14                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 29  | 19        | 0.22                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 30  | 19        | 0.19                          |
| 2019 | 3   | 50001        | 5000106                    | 101     | 31  | 15        | 0.18                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 2   | 21        | 0.08                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 3   | 19        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 5   | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 6   | 21        | 0.08                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 7   | 20        | 0.08                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 8   | 20        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 9   | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 10  | 15        | 0.27                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 11  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 12  | 17        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 13  | 16        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 14  | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 15  | 11        | 0.12                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 16  | 21        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 17  | 19        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 18  | 19        | 0.11                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 19  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 20  | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 21  | 13        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 22  | 19        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 23  | 21        | 0.73                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 24  | 20        | 0.12                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 25  | 19        | 0.11                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 26  | 20        | 0.11                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 27  | 20        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 28  | 21        | 0.09                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 29  | 19        | 0.10                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 50001        | 5000107                    | 101     | 31  | 15        | 0.10                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 3   | 19        | 0.16                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 4   | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 5   | 19        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 6   | 21        | 0.12                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 9   | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 10  | 15        | 0.19                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 11  | 19        | 0.17                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 12  | 17        | 0.13                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 13  | 16        | 0.12                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 14  | 20        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 15  | 11        | 0.14                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 16  | 21        | 0.15                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 17  | 19        | 0.18                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 18  | 19        | 0.15                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 20  | 20        | 0.17                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 21  | 13        | 0.16                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 22  | 19        | 0.18                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 23  | 21        | 0.18                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 25  | 19        | 0.17                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 26  | 20        | 0.16                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 27  | 20        | 0.15                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 28  | 21        | 0.15                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 30  | 19        | 0.17                          |
| 2019 | 3   | 50001        | 5000108                    | 101     | 31  | 15        | 0.18                          |
| 2019 | 3   | 50006        |                            | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 50006        |                            | 101     | 3   | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 4   | 21        | 0.09                          |
| 2019 | 3   | 50006        |                            | 101     | 5   | 20        | 0.12                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 50006        |                            | 101     | 6   | 21        | 0.09                          |
| 2019 | 3   | 50006        |                            | 101     | 7   | 20        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 8   | 20        | 0.20                          |
| 2019 | 3   | 50006        |                            | 101     | 9   | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 11  | 20        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 12  | 20        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 13  | 20        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 14  | 21        | 0.11                          |
| 2019 | 3   | 50006        |                            | 101     | 15  | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 16  | 21        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 17  | 20        | 0.15                          |
| 2019 | 3   | 50006        |                            | 101     | 18  | 20        | 0.15                          |
| 2019 | 3   | 50006        |                            | 101     | 19  | 20        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 21  | 20        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 22  | 20        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 23  | 21        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 24  | 19        | 0.13                          |
| 2019 | 3   | 50006        |                            | 101     | 25  | 19        | 0.17                          |
| 2019 | 3   | 50006        |                            | 101     | 26  | 21        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 27  | 21        | 0.12                          |
| 2019 | 3   | 50006        |                            | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 50006        |                            | 101     | 29  | 19        | 0.16                          |
| 2019 | 3   | 50006        |                            | 101     | 30  | 14        | 0.15                          |
| 2019 | 3   | 50006        |                            | 101     | 31  | 18        | 0.17                          |
| 2019 | 3   | 5001         |                            | 101     | 1   | 17        | 0.27                          |
| 2019 | 3   | 5001         |                            | 101     | 2   | 14        | 0.28                          |
| 2019 | 3   | 5001         |                            | 101     | 3   | 16        | 0.33                          |
| 2019 | 3   | 5001         |                            | 101     | 4   | 17        | 0.26                          |
| 2019 | 3   | 5001         |                            | 101     | 5   | 17        | 0.26                          |
| 2019 | 3   | 5001         |                            | 101     | 6   | 16        | 0.24                          |
| 2019 | 3   | 5001         |                            | 101     | 7   | 13        | 0.24                          |
| 2019 | 3   | 5001         |                            | 101     | 8   | 13        | 0.24                          |
| 2019 | 3   | 5001         |                            | 101     | 9   | 13        | 0.25                          |
| 2019 | 3   | 5001         |                            | 101     | 10  | 18        | 0.37                          |
| 2019 | 3   | 5001         |                            | 101     | 11  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 12  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 5001         |                            | 101     | 14  | 17        | 0.28                          |
| 2019 | 3   | 5001         |                            | 101     | 15  | 17        | 0.27                          |
| 2019 | 3   | 5001         |                            | 101     | 16  | 14        | 0.27                          |
| 2019 | 3   | 5001         |                            | 101     | 17  | 19        | 0.37                          |
| 2019 | 3   | 5001         |                            | 101     | 18  | 13        | 0.26                          |
| 2019 | 3   | 5001         |                            | 101     | 19  | 13        | 0.26                          |
| 2019 | 3   | 5001         |                            | 101     | 20  | 17        | 0.27                          |
| 2019 | 3   | 5001         |                            | 101     | 21  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 22  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 23  | 12        | 0.24                          |
| 2019 | 3   | 5001         |                            | 101     | 24  | 20        | 0.38                          |
| 2019 | 3   | 5001         |                            | 101     | 25  | 17        | 0.37                          |
| 2019 | 3   | 5001         |                            | 101     | 26  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 27  | 13        | 0.25                          |
| 2019 | 3   | 5001         |                            | 101     | 28  | 17        | 0.29                          |
| 2019 | 3   | 5001         |                            | 101     | 29  | 13        | 0.25                          |
| 2019 | 3   | 5001         |                            | 101     | 30  | 13        | 0.26                          |
| 2019 | 3   | 5001         |                            | 101     | 31  | 18        | 0.35                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 1   | 17        | 0.67                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 2   | 14        | 0.51                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 3   | 16        | 0.74                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 4   | 17        | 0.57                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 5   | 17        | 0.62                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 6   | 16        | 0.52                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 7   | 13        | 0.57                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 8   | 13        | 0.50                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 9   | 13        | 0.58                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 10  | 18        | 0.73                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 11  | 17        | 0.82                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 12  | 17        | 0.93                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 13  | 16        | 0.80                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 14  | 17        | 0.85                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 15  | 17        | 0.84                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 16  | 14        | 0.96                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 17  | 19        | 1.01                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 18  | 13        | 0.80                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500101                     | 101     | 19  | 13        | 0.69                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 20  | 17        | 0.58                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 21  | 17        | 0.56                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 22  | 17        | 0.65                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 23  | 12        | 0.54                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 24  | 20        | 0.69                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 25  | 17        | 0.73                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 26  | 17        | 0.60                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 27  | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 28  | 17        | 0.58                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 29  | 13        | 0.53                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 30  | 13        | 0.55                          |
| 2019 | 3   | 5001         | 500101                     | 101     | 31  | 18        | 0.67                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 1   | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 2   | 14        | 0.32                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 3   | 16        | 0.44                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 4   | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 5   | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 6   | 16        | 0.26                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 7   | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 8   | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 9   | 13        | 0.37                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 10  | 18        | 0.38                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 11  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 12  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 13  | 16        | 0.30                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 14  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 15  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 16  | 14        | 0.34                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 17  | 19        | 0.53                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 18  | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 19  | 13        | 0.33                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 20  | 17        | 0.37                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 21  | 17        | 0.40                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 22  | 17        | 0.42                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 23  | 12        | 0.37                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 24  | 20        | 0.54                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 25  | 17        | 0.54                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 26  | 17        | 0.43                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 27  | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 28  | 17        | 0.43                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 29  | 13        | 0.30                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 30  | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500102                     | 101     | 31  | 18        | 0.46                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 1   | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 2   | 14        | 0.49                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 3   | 16        | 0.49                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 4   | 17        | 0.46                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 5   | 17        | 0.45                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 6   | 16        | 0.41                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 7   | 13        | 0.39                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 8   | 13        | 0.44                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 9   | 13        | 0.50                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 10  | 18        | 0.63                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 11  | 17        | 0.52                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 12  | 17        | 0.49                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 13  | 16        | 0.46                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 14  | 17        | 0.51                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 15  | 17        | 0.53                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 16  | 14        | 0.49                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 17  | 19        | 0.60                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 18  | 13        | 0.43                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 19  | 13        | 0.54                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 20  | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 21  | 17        | 0.53                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 22  | 17        | 0.51                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 23  | 12        | 0.47                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 24  | 20        | 0.55                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 25  | 17        | 0.56                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 26  | 17        | 0.52                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 27  | 13        | 0.39                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 28  | 17        | 0.58                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 29  | 13        | 0.43                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 30  | 13        | 0.47                          |
| 2019 | 3   | 5001         | 500103                     | 101     | 31  | 18        | 0.55                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500104                     | 101     | 1   | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 2   | 14        | 0.32                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 3   | 16        | 0.37                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 4   | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 5   | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 6   | 16        | 0.31                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 7   | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 8   | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 9   | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 10  | 18        | 0.46                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 11  | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 12  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 13  | 16        | 0.32                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 14  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 15  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 16  | 14        | 0.32                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 17  | 19        | 0.41                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 18  | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 19  | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 20  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 21  | 17        | 0.41                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 22  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 23  | 12        | 0.28                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 24  | 20        | 0.44                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 25  | 17        | 0.51                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 26  | 17        | 0.40                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 27  | 13        | 0.39                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 28  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 29  | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 30  | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500104                     | 101     | 31  | 18        | 0.40                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 1   | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 2   | 14        | 0.29                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 3   | 16        | 0.34                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 4   | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 5   | 17        | 0.28                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 6   | 16        | 0.24                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 7   | 13        | 0.23                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 8   | 13        | 0.25                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 9   | 13        | 0.27                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 10  | 18        | 0.41                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 11  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 12  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 13  | 16        | 0.22                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 14  | 17        | 0.26                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 15  | 17        | 0.26                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 16  | 14        | 0.25                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 17  | 19        | 0.33                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 18  | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 19  | 13        | 0.27                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 20  | 17        | 0.26                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 21  | 17        | 0.27                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 22  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 23  | 12        | 0.21                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 24  | 20        | 0.33                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 25  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 26  | 17        | 0.27                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 27  | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 28  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 29  | 13        | 0.19                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 30  | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500105                     | 101     | 31  | 18        | 0.30                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 1   | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 2   | 14        | 0.44                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 3   | 16        | 0.57                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 4   | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 5   | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 6   | 16        | 0.41                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 7   | 13        | 0.44                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 8   | 13        | 0.46                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 9   | 13        | 0.46                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 10  | 18        | 0.53                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 11  | 17        | 0.53                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 12  | 17        | 0.49                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 13  | 16        | 0.45                          |





## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500106                     | 101     | 14  | 17        | 0.46                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 15  | 17        | 0.52                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 16  | 14        | 0.42                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 17  | 19        | 0.60                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 18  | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 19  | 13        | 0.53                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 20  | 17        | 0.50                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 21  | 17        | 0.47                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 22  | 17        | 0.53                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 23  | 12        | 0.43                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 24  | 20        | 0.62                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 25  | 17        | 0.57                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 26  | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 27  | 13        | 0.38                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 28  | 17        | 0.53                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 29  | 13        | 0.45                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 30  | 13        | 0.48                          |
| 2019 | 3   | 5001         | 500106                     | 101     | 31  | 18        | 0.57                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 1   | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 2   | 14        | 0.29                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 3   | 16        | 0.37                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 4   | 17        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 5   | 17        | 0.27                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 6   | 16        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 7   | 13        | 0.27                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 8   | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 9   | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 10  | 18        | 0.38                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 11  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 12  | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 13  | 16        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 14  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 15  | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 16  | 14        | 0.33                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 17  | 19        | 0.37                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 18  | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 19  | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 20  | 17        | 0.31                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 21  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 22  | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 23  | 12        | 0.28                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 24  | 20        | 0.38                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 25  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 26  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 27  | 13        | 0.24                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 28  | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 29  | 13        | 0.26                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 30  | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500107                     | 101     | 31  | 18        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 1   | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 2   | 14        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 3   | 16        | 0.44                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 4   | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 5   | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 6   | 16        | 0.31                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 7   | 13        | 0.34                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 8   | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 9   | 13        | 0.36                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 10  | 18        | 0.46                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 11  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 12  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 13  | 16        | 0.35                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 14  | 17        | 0.42                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 15  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 16  | 14        | 0.37                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 17  | 19        | 0.47                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 18  | 13        | 0.32                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 19  | 13        | 0.30                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 20  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 21  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 22  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 23  | 12        | 0.29                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 24  | 20        | 0.50                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 25  | 17        | 0.45                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 26  | 17        | 0.37                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500108                     | 101     | 27  | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 28  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 29  | 13        | 0.30                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 30  | 13        | 0.33                          |
| 2019 | 3   | 5001         | 500108                     | 101     | 31  | 18        | 0.40                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 1   | 17        | 0.46                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 2   | 14        | 0.47                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 3   | 16        | 0.54                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 4   | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 5   | 17        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 6   | 16        | 0.41                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 7   | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 8   | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 9   | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 10  | 18        | 0.57                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 11  | 17        | 0.45                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 12  | 17        | 0.43                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 13  | 16        | 0.39                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 14  | 17        | 0.46                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 15  | 17        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 16  | 14        | 0.41                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 17  | 19        | 0.52                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 18  | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 19  | 13        | 0.39                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 20  | 17        | 0.43                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 21  | 17        | 0.45                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 22  | 17        | 0.46                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 23  | 12        | 0.40                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 24  | 20        | 0.51                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 25  | 17        | 0.56                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 26  | 17        | 0.44                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 27  | 13        | 0.43                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 28  | 17        | 0.43                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 29  | 13        | 0.42                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 30  | 13        | 0.39                          |
| 2019 | 3   | 5001         | 500109                     | 101     | 31  | 18        | 0.48                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 1   | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 2   | 14        | 0.17                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 3   | 16        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 4   | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 5   | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 6   | 16        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 7   | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 8   | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 9   | 13        | 0.19                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 10  | 18        | 0.27                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 11  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 12  | 17        | 0.25                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 13  | 16        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 14  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 15  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 16  | 14        | 0.20                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 17  | 19        | 0.29                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 18  | 13        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 19  | 13        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 20  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 21  | 17        | 0.27                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 22  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 23  | 12        | 0.17                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 24  | 20        | 0.30                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 25  | 17        | 0.28                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 26  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 27  | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 28  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 29  | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 30  | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500110                     | 101     | 31  | 18        | 0.26                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 1   | 17        | 0.18                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 2   | 14        | 0.17                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 3   | 16        | 0.20                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 4   | 17        | 0.17                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 5   | 17        | 0.17                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 6   | 16        | 0.16                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 7   | 13        | 0.16                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 8   | 13        | 0.17                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500111                     | 101     | 9   | 13        | 0.17                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 10  | 18        | 0.26                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 11  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 12  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 13  | 16        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 14  | 17        | 0.18                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 15  | 17        | 0.16                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 16  | 14        | 0.21                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 17  | 19        | 0.22                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 18  | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 19  | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 20  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 21  | 17        | 0.21                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 22  | 17        | 0.21                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 23  | 12        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 24  | 20        | 0.24                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 25  | 17        | 0.25                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 26  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 27  | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 28  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 29  | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 30  | 13        | 0.19                          |
| 2019 | 3   | 5001         | 500111                     | 101     | 31  | 18        | 0.23                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 1   | 17        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 2   | 14        | 0.18                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 3   | 16        | 0.25                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 4   | 17        | 0.16                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 5   | 17        | 0.18                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 6   | 16        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 7   | 13        | 0.14                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 9   | 13        | 0.18                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 10  | 18        | 0.33                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 11  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 12  | 17        | 0.21                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 13  | 16        | 0.20                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 14  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 15  | 17        | 0.20                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 16  | 14        | 0.19                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 17  | 19        | 0.27                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 18  | 13        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 19  | 13        | 0.19                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 20  | 17        | 0.18                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 21  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 22  | 17        | 0.19                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 23  | 12        | 0.16                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 25  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 26  | 17        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 27  | 13        | 0.15                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 28  | 17        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 29  | 13        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 30  | 13        | 0.17                          |
| 2019 | 3   | 5001         | 500112                     | 101     | 31  | 18        | 0.24                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 1   | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 2   | 14        | 0.32                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 3   | 16        | 0.39                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 4   | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 5   | 17        | 0.31                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 6   | 16        | 0.36                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 7   | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 8   | 13        | 0.31                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 9   | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 10  | 18        | 0.56                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 11  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 12  | 17        | 0.39                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 13  | 16        | 0.36                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 14  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 15  | 17        | 0.41                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 16  | 14        | 0.40                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 17  | 19        | 0.48                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 18  | 13        | 0.34                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 19  | 13        | 0.38                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 20  | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 21  | 17        | 0.39                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500113                     | 101     | 22  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 23  | 12        | 0.32                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 24  | 20        | 0.49                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 25  | 17        | 0.48                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 26  | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 27  | 13        | 0.33                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 28  | 17        | 0.41                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 29  | 13        | 0.35                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 30  | 13        | 0.36                          |
| 2019 | 3   | 5001         | 500113                     | 101     | 31  | 18        | 0.50                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 1   | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 2   | 14        | 0.18                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 3   | 16        | 0.19                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 4   | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 5   | 17        | 0.21                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 6   | 16        | 0.18                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 7   | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 8   | 13        | 0.20                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 9   | 13        | 0.19                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 10  | 18        | 0.20                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 11  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 12  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 13  | 16        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 14  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 15  | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 16  | 14        | 0.24                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 17  | 19        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 18  | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 19  | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 20  | 17        | 0.20                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 21  | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 22  | 17        | 0.25                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 23  | 12        | 0.18                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 25  | 17        | 0.21                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 26  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 27  | 13        | 0.20                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 28  | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 29  | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 30  | 13        | 0.20                          |
| 2019 | 3   | 5001         | 500114                     | 101     | 31  | 18        | 0.22                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 1   | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 2   | 14        | 0.30                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 3   | 16        | 0.34                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 4   | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 5   | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 6   | 16        | 0.25                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 7   | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 8   | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 9   | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 10  | 18        | 0.44                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 11  | 17        | 0.33                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 12  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 13  | 16        | 0.28                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 14  | 17        | 0.38                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 15  | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 16  | 14        | 0.31                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 17  | 19        | 0.42                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 18  | 13        | 0.28                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 19  | 13        | 0.30                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 20  | 17        | 0.35                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 21  | 17        | 0.34                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 22  | 17        | 0.32                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 23  | 12        | 0.30                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 24  | 20        | 0.42                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 25  | 17        | 0.41                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 26  | 17        | 0.41                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 27  | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 28  | 17        | 0.36                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 29  | 13        | 0.29                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 30  | 13        | 0.32                          |
| 2019 | 3   | 5001         | 500115                     | 101     | 31  | 18        | 0.42                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 1   | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 2   | 14        | 0.60                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 3   | 16        | 0.27                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5001         | 500116                     | 101     | 4   | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 5   | 17        | 0.20                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 6   | 16        | 0.21                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 7   | 13        | 0.21                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 8   | 13        | 0.23                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 9   | 13        | 0.22                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 10  | 18        | 0.29                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 11  | 17        | 0.24                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 12  | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 13  | 16        | 0.23                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 14  | 17        | 0.22                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 15  | 17        | 0.23                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 16  | 14        | 0.25                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 17  | 19        | 0.27                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 18  | 13        | 0.25                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 19  | 13        | 0.26                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 20  | 17        | 0.27                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 21  | 17        | 0.26                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 22  | 17        | 0.30                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 23  | 12        | 0.28                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 24  | 20        | 0.28                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 25  | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 26  | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 27  | 13        | 0.27                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 28  | 17        | 0.29                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 29  | 13        | 0.32                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 30  | 13        | 0.25                          |
| 2019 | 3   | 5001         | 500116                     | 101     | 31  | 18        | 0.28                          |
| 2019 | 3   | 5045         |                            | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 2   | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 3   | 19        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 4   | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 5   | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 6   | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 5045         |                            | 101     | 8   | 21        | 0.15                          |
| 2019 | 3   | 5045         |                            | 101     | 9   | 20        | 0.15                          |
| 2019 | 3   | 5045         |                            | 101     | 10  | 20        | 0.15                          |
| 2019 | 3   | 5045         |                            | 101     | 11  | 20        | 0.15                          |
| 2019 | 3   | 5045         |                            | 101     | 12  | 20        | 0.69                          |
| 2019 | 3   | 5045         |                            | 101     | 13  | 21        | 0.17                          |
| 2019 | 3   | 5045         |                            | 101     | 14  | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 5045         |                            | 101     | 16  | 20        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 18  | 20        | 0.11                          |
| 2019 | 3   | 5045         |                            | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 20  | 20        | 0.10                          |
| 2019 | 3   | 5045         |                            | 101     | 21  | 20        | 0.10                          |
| 2019 | 3   | 5045         |                            | 101     | 22  | 20        | 0.11                          |
| 2019 | 3   | 5045         |                            | 101     | 23  | 21        | 0.10                          |
| 2019 | 3   | 5045         |                            | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 25  | 19        | 0.17                          |
| 2019 | 3   | 5045         |                            | 101     | 26  | 20        | 0.19                          |
| 2019 | 3   | 5045         |                            | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 5045         |                            | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 5045         |                            | 101     | 29  | 20        | 0.12                          |
| 2019 | 3   | 5045         |                            | 101     | 30  | 20        | 0.12                          |
| 2019 | 3   | 5045         |                            | 101     | 31  | 20        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 1   | 20        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 2   | 21        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 3   | 20        | 0.07                          |
| 2019 | 3   | 50568        |                            | 101     | 4   | 21        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 5   | 20        | 0.09                          |
| 2019 | 3   | 50568        |                            | 101     | 6   | 21        | 0.14                          |
| 2019 | 3   | 50568        |                            | 101     | 7   | 20        | 19.07                         |
| 2019 | 3   | 50568        |                            | 101     | 8   | 20        | 0.09                          |
| 2019 | 3   | 50568        |                            | 101     | 9   | 20        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 10  | 20        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 11  | 20        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 12  | 20        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 13  | 20        | 0.12                          |
| 2019 | 3   | 50568        |                            | 101     | 14  | 21        | 0.10                          |
| 2019 | 3   | 50568        |                            | 101     | 15  | 20        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 16  | 21        | 0.08                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 50568        |                            | 101     | 17  | 20        | 0.07                          |
| 2019 | 3   | 50568        |                            | 101     | 18  | 20        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 19  | 20        | 0.12                          |
| 2019 | 3   | 50568        |                            | 101     | 20  | 20        | 0.14                          |
| 2019 | 3   | 50568        |                            | 101     | 21  | 20        | 0.12                          |
| 2019 | 3   | 50568        |                            | 101     | 22  | 20        | 0.15                          |
| 2019 | 3   | 50568        |                            | 101     | 23  | 21        | 0.20                          |
| 2019 | 3   | 50568        |                            | 101     | 24  | 19        | 0.13                          |
| 2019 | 3   | 50568        |                            | 101     | 25  | 19        | 0.25                          |
| 2019 | 3   | 50568        |                            | 101     | 26  | 21        | 0.20                          |
| 2019 | 3   | 50568        |                            | 101     | 27  | 21        | 0.14                          |
| 2019 | 3   | 50568        |                            | 101     | 28  | 20        | 0.44                          |
| 2019 | 3   | 50568        |                            | 101     | 29  | 19        | 0.13                          |
| 2019 | 3   | 50568        |                            | 101     | 30  | 14        | 0.11                          |
| 2019 | 3   | 50568        |                            | 101     | 31  | 18        | 0.19                          |
| 2019 | 3   | 50573        |                            | 101     | 1   | 20        | 0.20                          |
| 2019 | 3   | 50573        |                            | 101     | 2   | 21        | 0.15                          |
| 2019 | 3   | 50573        |                            | 101     | 3   | 20        | 0.26                          |
| 2019 | 3   | 50573        |                            | 101     | 4   | 21        | 0.13                          |
| 2019 | 3   | 50573        |                            | 101     | 5   | 20        | 0.15                          |
| 2019 | 3   | 50573        |                            | 101     | 6   | 21        | 0.09                          |
| 2019 | 3   | 50573        |                            | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 50573        |                            | 101     | 9   | 20        | 0.13                          |
| 2019 | 3   | 50573        |                            | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 50573        |                            | 101     | 11  | 20        | 0.17                          |
| 2019 | 3   | 50573        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 50573        |                            | 101     | 13  | 20        | 0.17                          |
| 2019 | 3   | 50573        |                            | 101     | 14  | 21        | 0.14                          |
| 2019 | 3   | 50573        |                            | 101     | 15  | 20        | 0.18                          |
| 2019 | 3   | 50573        |                            | 101     | 16  | 21        | 0.16                          |
| 2019 | 3   | 50573        |                            | 101     | 17  | 20        | 0.16                          |
| 2019 | 3   | 50573        |                            | 101     | 18  | 20        | 0.17                          |
| 2019 | 3   | 50573        |                            | 101     | 19  | 20        | 0.31                          |
| 2019 | 3   | 50573        |                            | 101     | 20  | 20        | 0.25                          |
| 2019 | 3   | 50573        |                            | 101     | 21  | 20        | 0.26                          |
| 2019 | 3   | 50573        |                            | 101     | 22  | 20        | 0.25                          |
| 2019 | 3   | 50573        |                            | 101     | 23  | 21        | 0.40                          |
| 2019 | 3   | 50573        |                            | 101     | 24  | 19        | 0.25                          |
| 2019 | 3   | 50573        |                            | 101     | 25  | 19        | 0.27                          |
| 2019 | 3   | 50573        |                            | 101     | 26  | 21        | 0.18                          |
| 2019 | 3   | 50573        |                            | 101     | 27  | 21        | 0.15                          |
| 2019 | 3   | 50573        |                            | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 50573        |                            | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 50573        |                            | 101     | 30  | 14        | 0.16                          |
| 2019 | 3   | 50573        |                            | 101     | 31  | 18        | 0.27                          |
| 2019 | 3   | 5079         |                            | 101     | 1   | 20        | 0.39                          |
| 2019 | 3   | 5079         |                            | 101     | 2   | 20        | 0.33                          |
| 2019 | 3   | 5079         |                            | 101     | 3   | 19        | 0.42                          |
| 2019 | 3   | 5079         |                            | 101     | 4   | 20        | 0.36                          |
| 2019 | 3   | 5079         |                            | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 5079         |                            | 101     | 6   | 20        | 0.23                          |
| 2019 | 3   | 5079         |                            | 101     | 7   | 20        | 0.25                          |
| 2019 | 3   | 5079         |                            | 101     | 8   | 21        | 0.23                          |
| 2019 | 3   | 5079         |                            | 101     | 9   | 20        | 0.28                          |
| 2019 | 3   | 5079         |                            | 101     | 10  | 20        | 0.30                          |
| 2019 | 3   | 5079         |                            | 101     | 11  | 20        | 0.24                          |
| 2019 | 3   | 5079         |                            | 101     | 12  | 20        | 0.27                          |
| 2019 | 3   | 5079         |                            | 101     | 13  | 21        | 0.29                          |
| 2019 | 3   | 5079         |                            | 101     | 14  | 20        | 0.30                          |
| 2019 | 3   | 5079         |                            | 101     | 15  | 20        | 0.25                          |
| 2019 | 3   | 5079         |                            | 101     | 16  | 20        | 0.30                          |
| 2019 | 3   | 5079         |                            | 101     | 17  | 19        | 0.32                          |
| 2019 | 3   | 5079         |                            | 101     | 18  | 20        | 0.24                          |
| 2019 | 3   | 5079         |                            | 101     | 19  | 20        | 0.28                          |
| 2019 | 3   | 5079         |                            | 101     | 20  | 20        | 0.29                          |
| 2019 | 3   | 5079         |                            | 101     | 21  | 20        | 0.28                          |
| 2019 | 3   | 5079         |                            | 101     | 22  | 20        | 0.32                          |
| 2019 | 3   | 5079         |                            | 101     | 23  | 21        | 0.27                          |
| 2019 | 3   | 5079         |                            | 101     | 24  | 20        | 0.28                          |
| 2019 | 3   | 5079         |                            | 101     | 25  | 19        | 0.33                          |
| 2019 | 3   | 5079         |                            | 101     | 26  | 20        | 0.71                          |
| 2019 | 3   | 5079         |                            | 101     | 27  | 20        | 0.62                          |
| 2019 | 3   | 5079         |                            | 101     | 28  | 20        | 0.34                          |
| 2019 | 3   | 5079         |                            | 101     | 29  | 20        | 0.27                          |
| 2019 | 3   | 5079         |                            | 101     | 30  | 20        | 0.27                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5079         |                            | 101     | 31  | 20        | 0.31                          |
| 2019 | 3   | 5088         |                            | 101     | 1   | 20        | 0.36                          |
| 2019 | 3   | 5088         |                            | 101     | 2   | 20        | 0.37                          |
| 2019 | 3   | 5088         |                            | 101     | 3   | 19        | 0.47                          |
| 2019 | 3   | 5088         |                            | 101     | 4   | 20        | 0.38                          |
| 2019 | 3   | 5088         |                            | 101     | 5   | 20        | 0.35                          |
| 2019 | 3   | 5088         |                            | 101     | 6   | 20        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 7   | 20        | 0.37                          |
| 2019 | 3   | 5088         |                            | 101     | 8   | 21        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 9   | 20        | 0.38                          |
| 2019 | 3   | 5088         |                            | 101     | 10  | 20        | 0.44                          |
| 2019 | 3   | 5088         |                            | 101     | 11  | 20        | 0.41                          |
| 2019 | 3   | 5088         |                            | 101     | 12  | 20        | 0.37                          |
| 2019 | 3   | 5088         |                            | 101     | 13  | 21        | 0.42                          |
| 2019 | 3   | 5088         |                            | 101     | 14  | 20        | 0.37                          |
| 2019 | 3   | 5088         |                            | 101     | 15  | 20        | 0.37                          |
| 2019 | 3   | 5088         |                            | 101     | 16  | 20        | 0.40                          |
| 2019 | 3   | 5088         |                            | 101     | 17  | 19        | 0.44                          |
| 2019 | 3   | 5088         |                            | 101     | 18  | 20        | 0.40                          |
| 2019 | 3   | 5088         |                            | 101     | 19  | 20        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 20  | 20        | 0.47                          |
| 2019 | 3   | 5088         |                            | 101     | 21  | 20        | 0.36                          |
| 2019 | 3   | 5088         |                            | 101     | 22  | 20        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 23  | 21        | 0.38                          |
| 2019 | 3   | 5088         |                            | 101     | 24  | 20        | 0.43                          |
| 2019 | 3   | 5088         |                            | 101     | 25  | 19        | 0.53                          |
| 2019 | 3   | 5088         |                            | 101     | 26  | 20        | 0.38                          |
| 2019 | 3   | 5088         |                            | 101     | 27  | 20        | 0.35                          |
| 2019 | 3   | 5088         |                            | 101     | 28  | 20        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 29  | 20        | 0.38                          |
| 2019 | 3   | 5088         |                            | 101     | 30  | 20        | 0.39                          |
| 2019 | 3   | 5088         |                            | 101     | 31  | 20        | 0.43                          |
| 2019 | 3   | 5129         |                            | 101     | 1   | 20        | 0.33                          |
| 2019 | 3   | 5129         |                            | 101     | 2   | 20        | 0.32                          |
| 2019 | 3   | 5129         |                            | 101     | 3   | 19        | 0.32                          |
| 2019 | 3   | 5129         |                            | 101     | 4   | 20        | 0.31                          |
| 2019 | 3   | 5129         |                            | 101     | 5   | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 6   | 20        | 0.27                          |
| 2019 | 3   | 5129         |                            | 101     | 7   | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 8   | 21        | 0.27                          |
| 2019 | 3   | 5129         |                            | 101     | 9   | 20        | 0.25                          |
| 2019 | 3   | 5129         |                            | 101     | 10  | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 11  | 20        | 0.31                          |
| 2019 | 3   | 5129         |                            | 101     | 12  | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 13  | 21        | 0.33                          |
| 2019 | 3   | 5129         |                            | 101     | 14  | 20        | 0.31                          |
| 2019 | 3   | 5129         |                            | 101     | 15  | 20        | 0.33                          |
| 2019 | 3   | 5129         |                            | 101     | 16  | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 17  | 19        | 0.32                          |
| 2019 | 3   | 5129         |                            | 101     | 18  | 20        | 0.36                          |
| 2019 | 3   | 5129         |                            | 101     | 19  | 20        | 0.35                          |
| 2019 | 3   | 5129         |                            | 101     | 20  | 20        | 0.35                          |
| 2019 | 3   | 5129         |                            | 101     | 21  | 20        | 0.37                          |
| 2019 | 3   | 5129         |                            | 101     | 22  | 20        | 0.33                          |
| 2019 | 3   | 5129         |                            | 101     | 23  | 21        | 0.35                          |
| 2019 | 3   | 5129         |                            | 101     | 24  | 20        | 0.36                          |
| 2019 | 3   | 5129         |                            | 101     | 25  | 19        | 0.44                          |
| 2019 | 3   | 5129         |                            | 101     | 26  | 20        | 0.34                          |
| 2019 | 3   | 5129         |                            | 101     | 27  | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 28  | 20        | 0.30                          |
| 2019 | 3   | 5129         |                            | 101     | 29  | 20        | 0.26                          |
| 2019 | 3   | 5129         |                            | 101     | 30  | 20        | 0.29                          |
| 2019 | 3   | 5129         |                            | 101     | 31  | 20        | 0.33                          |
| 2019 | 3   | 5148         |                            | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 5148         |                            | 101     | 2   | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 3   | 19        | 0.15                          |
| 2019 | 3   | 5148         |                            | 101     | 4   | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 5   | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 6   | 20        | 0.15                          |
| 2019 | 3   | 5148         |                            | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 5148         |                            | 101     | 8   | 21        | 0.14                          |
| 2019 | 3   | 5148         |                            | 101     | 9   | 20        | 0.19                          |
| 2019 | 3   | 5148         |                            | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 5148         |                            | 101     | 11  | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 12  | 20        | 0.13                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5148         |                            | 101     | 13  | 21        | 0.15                          |
| 2019 | 3   | 5148         |                            | 101     | 14  | 20        | 0.18                          |
| 2019 | 3   | 5148         |                            | 101     | 15  | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 16  | 20        | 0.14                          |
| 2019 | 3   | 5148         |                            | 101     | 17  | 19        | 0.17                          |
| 2019 | 3   | 5148         |                            | 101     | 18  | 20        | 0.23                          |
| 2019 | 3   | 5148         |                            | 101     | 19  | 20        | 0.27                          |
| 2019 | 3   | 5148         |                            | 101     | 20  | 20        | 0.20                          |
| 2019 | 3   | 5148         |                            | 101     | 21  | 20        | 0.19                          |
| 2019 | 3   | 5148         |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 5148         |                            | 101     | 23  | 21        | 0.19                          |
| 2019 | 3   | 5148         |                            | 101     | 24  | 20        | 0.17                          |
| 2019 | 3   | 5148         |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 5148         |                            | 101     | 26  | 20        | 0.15                          |
| 2019 | 3   | 5148         |                            | 101     | 27  | 20        | 0.22                          |
| 2019 | 3   | 5148         |                            | 101     | 28  | 20        | 0.29                          |
| 2019 | 3   | 5148         |                            | 101     | 29  | 20        | 0.16                          |
| 2019 | 3   | 5148         |                            | 101     | 30  | 20        | 0.13                          |
| 2019 | 3   | 5148         |                            | 101     | 31  | 20        | 0.13                          |
| 2019 | 3   | 52001        |                            | 101     | 1   | 21        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 2   | 20        | 9.19                          |
| 2019 | 3   | 52001        |                            | 101     | 3   | 20        | 0.38                          |
| 2019 | 3   | 52001        |                            | 101     | 4   | 21        | 0.37                          |
| 2019 | 3   | 52001        |                            | 101     | 5   | 21        | 0.34                          |
| 2019 | 3   | 52001        |                            | 101     | 6   | 21        | 0.31                          |
| 2019 | 3   | 52001        |                            | 101     | 7   | 21        | 0.37                          |
| 2019 | 3   | 52001        |                            | 101     | 8   | 20        | 0.33                          |
| 2019 | 3   | 52001        |                            | 101     | 9   | 20        | 0.38                          |
| 2019 | 3   | 52001        |                            | 101     | 10  | 20        | 0.37                          |
| 2019 | 3   | 52001        |                            | 101     | 11  | 20        | 0.34                          |
| 2019 | 3   | 52001        |                            | 101     | 12  | 20        | 0.33                          |
| 2019 | 3   | 52001        |                            | 101     | 13  | 21        | 0.30                          |
| 2019 | 3   | 52001        |                            | 101     | 14  | 13        | 0.25                          |
| 2019 | 3   | 52001        |                            | 101     | 15  | 20        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 16  | 20        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 17  | 20        | 0.31                          |
| 2019 | 3   | 52001        |                            | 101     | 18  | 20        | 0.27                          |
| 2019 | 3   | 52001        |                            | 101     | 19  | 20        | 0.27                          |
| 2019 | 3   | 52001        |                            | 101     | 20  | 20        | 0.30                          |
| 2019 | 3   | 52001        |                            | 101     | 21  | 20        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 22  | 20        | 0.28                          |
| 2019 | 3   | 52001        |                            | 101     | 23  | 21        | 0.28                          |
| 2019 | 3   | 52001        |                            | 101     | 24  | 20        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 25  | 19        | 0.30                          |
| 2019 | 3   | 52001        |                            | 101     | 26  | 20        | 0.30                          |
| 2019 | 3   | 52001        |                            | 101     | 27  | 21        | 0.26                          |
| 2019 | 3   | 52001        |                            | 101     | 28  | 20        | 0.29                          |
| 2019 | 3   | 52001        |                            | 101     | 29  | 20        | 0.27                          |
| 2019 | 3   | 52001        |                            | 101     | 30  | 20        | 0.27                          |
| 2019 | 3   | 52001        |                            | 101     | 31  | 20        | 0.28                          |
| 2019 | 3   | 5212         |                            | 101     | 1   | 20        | 0.24                          |
| 2019 | 3   | 5212         |                            | 101     | 2   | 20        | 0.29                          |
| 2019 | 3   | 5212         |                            | 101     | 3   | 19        | 0.33                          |
| 2019 | 3   | 5212         |                            | 101     | 4   | 20        | 0.31                          |
| 2019 | 3   | 5212         |                            | 101     | 5   | 20        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 6   | 20        | 0.33                          |
| 2019 | 3   | 5212         |                            | 101     | 7   | 20        | 0.28                          |
| 2019 | 3   | 5212         |                            | 101     | 8   | 21        | 0.23                          |
| 2019 | 3   | 5212         |                            | 101     | 9   | 20        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 10  | 20        | 0.38                          |
| 2019 | 3   | 5212         |                            | 101     | 11  | 20        | 0.38                          |
| 2019 | 3   | 5212         |                            | 101     | 12  | 20        | 0.36                          |
| 2019 | 3   | 5212         |                            | 101     | 13  | 21        | 0.31                          |
| 2019 | 3   | 5212         |                            | 101     | 14  | 20        | 0.41                          |
| 2019 | 3   | 5212         |                            | 101     | 15  | 20        | 0.33                          |
| 2019 | 3   | 5212         |                            | 101     | 16  | 20        | 0.37                          |
| 2019 | 3   | 5212         |                            | 101     | 17  | 19        | 0.42                          |
| 2019 | 3   | 5212         |                            | 101     | 18  | 20        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 19  | 20        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 20  | 20        | 0.31                          |
| 2019 | 3   | 5212         |                            | 101     | 21  | 20        | 0.28                          |
| 2019 | 3   | 5212         |                            | 101     | 22  | 20        | 0.35                          |
| 2019 | 3   | 5212         |                            | 101     | 23  | 21        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 24  | 20        | 0.38                          |
| 2019 | 3   | 5212         |                            | 101     | 25  | 19        | 0.54                          |





INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5212         |                            | 101     | 26  | 20        | 0.34                          |
| 2019 | 3   | 5212         |                            | 101     | 27  | 20        | 0.32                          |
| 2019 | 3   | 5212         |                            | 101     | 28  | 20        | 0.33                          |
| 2019 | 3   | 5212         |                            | 101     | 29  | 20        | 0.29                          |
| 2019 | 3   | 5212         |                            | 101     | 30  | 20        | 0.35                          |
| 2019 | 3   | 5212         |                            | 101     | 31  | 20        | 0.34                          |
| 2019 | 3   | 52356        |                            | 101     | 1   | 21        | 0.31                          |
| 2019 | 3   | 52356        |                            | 101     | 2   | 21        | 0.29                          |
| 2019 | 3   | 52356        |                            | 101     | 3   | 20        | 0.30                          |
| 2019 | 3   | 52356        |                            | 101     | 4   | 20        | 0.30                          |
| 2019 | 3   | 52356        |                            | 101     | 5   | 21        | 0.29                          |
| 2019 | 3   | 52356        |                            | 101     | 6   | 21        | 0.33                          |
| 2019 | 3   | 52356        |                            | 101     | 7   | 20        | 0.25                          |
| 2019 | 3   | 52356        |                            | 101     | 8   | 21        | 0.34                          |
| 2019 | 3   | 52356        |                            | 101     | 9   | 21        | 0.35                          |
| 2019 | 3   | 52356        |                            | 101     | 10  | 20        | 0.33                          |
| 2019 | 3   | 52356        |                            | 101     | 11  | 21        | 0.26                          |
| 2019 | 3   | 52356        |                            | 101     | 12  | 21        | 0.24                          |
| 2019 | 3   | 52356        |                            | 101     | 13  | 21        | 0.25                          |
| 2019 | 3   | 52356        |                            | 101     | 14  | 13        | 0.49                          |
| 2019 | 3   | 52356        |                            | 101     | 15  | 21        | 0.33                          |
| 2019 | 3   | 52356        |                            | 101     | 16  | 20        | 0.29                          |
| 2019 | 3   | 52356        |                            | 101     | 17  | 21        | 0.30                          |
| 2019 | 3   | 52356        |                            | 101     | 18  | 18        | 0.25                          |
| 2019 | 3   | 52356        |                            | 101     | 19  | 20        | 0.29                          |
| 2019 | 3   | 52356        |                            | 101     | 20  | 21        | 0.26                          |
| 2019 | 3   | 52356        |                            | 101     | 21  | 20        | 0.28                          |
| 2019 | 3   | 52356        |                            | 101     | 22  | 20        | 0.27                          |
| 2019 | 3   | 52356        |                            | 101     | 23  | 20        | 0.29                          |
| 2019 | 3   | 52356        |                            | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 52356        |                            | 101     | 25  | 20        | 0.27                          |
| 2019 | 3   | 52356        |                            | 101     | 26  | 21        | 0.25                          |
| 2019 | 3   | 52356        |                            | 101     | 27  | 21        | 0.26                          |
| 2019 | 3   | 52356        |                            | 101     | 28  | 21        | 0.25                          |
| 2019 | 3   | 52356        |                            | 101     | 29  | 21        | 0.27                          |
| 2019 | 3   | 52356        |                            | 101     | 30  | 21        | 0.24                          |
| 2019 | 3   | 52356        |                            | 101     | 31  | 20        | 0.29                          |
| 2019 | 3   | 5266         |                            | 101     | 1   | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 2   | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 3   | 19        | 0.27                          |
| 2019 | 3   | 5266         |                            | 101     | 4   | 20        | 0.28                          |
| 2019 | 3   | 5266         |                            | 101     | 5   | 20        | 0.28                          |
| 2019 | 3   | 5266         |                            | 101     | 6   | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 5266         |                            | 101     | 8   | 21        | 0.24                          |
| 2019 | 3   | 5266         |                            | 101     | 9   | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 10  | 20        | 0.28                          |
| 2019 | 3   | 5266         |                            | 101     | 11  | 20        | 0.30                          |
| 2019 | 3   | 5266         |                            | 101     | 12  | 20        | 0.42                          |
| 2019 | 3   | 5266         |                            | 101     | 13  | 21        | 0.30                          |
| 2019 | 3   | 5266         |                            | 101     | 14  | 20        | 0.26                          |
| 2019 | 3   | 5266         |                            | 101     | 15  | 20        | 0.24                          |
| 2019 | 3   | 5266         |                            | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 5266         |                            | 101     | 17  | 19        | 0.24                          |
| 2019 | 3   | 5266         |                            | 101     | 18  | 20        | 0.27                          |
| 2019 | 3   | 5266         |                            | 101     | 19  | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 20  | 20        | 0.27                          |
| 2019 | 3   | 5266         |                            | 101     | 21  | 20        | 0.27                          |
| 2019 | 3   | 5266         |                            | 101     | 22  | 20        | 0.26                          |
| 2019 | 3   | 5266         |                            | 101     | 23  | 21        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 24  | 20        | 0.30                          |
| 2019 | 3   | 5266         |                            | 101     | 25  | 19        | 0.28                          |
| 2019 | 3   | 5266         |                            | 101     | 26  | 20        | 0.26                          |
| 2019 | 3   | 5266         |                            | 101     | 27  | 20        | 0.27                          |
| 2019 | 3   | 5266         |                            | 101     | 28  | 20        | 0.25                          |
| 2019 | 3   | 5266         |                            | 101     | 29  | 20        | 0.24                          |
| 2019 | 3   | 5266         |                            | 101     | 30  | 20        | 0.26                          |
| 2019 | 3   | 5266         |                            | 101     | 31  | 20        | 0.28                          |
| 2019 | 3   | 52835        |                            | 101     | 1   | 21        | 0.15                          |
| 2019 | 3   | 52835        |                            | 101     | 2   | 21        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 3   | 20        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 4   | 20        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 5   | 21        | 0.22                          |
| 2019 | 3   | 52835        |                            | 101     | 6   | 21        | 0.16                          |
| 2019 | 3   | 52835        |                            | 101     | 7   | 20        | 0.14                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 52835        |                            | 101     | 8   | 21        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 9   | 21        | 0.18                          |
| 2019 | 3   | 52835        |                            | 101     | 10  | 20        | 0.16                          |
| 2019 | 3   | 52835        |                            | 101     | 11  | 21        | 0.16                          |
| 2019 | 3   | 52835        |                            | 101     | 12  | 21        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 13  | 21        | 0.17                          |
| 2019 | 3   | 52835        |                            | 101     | 14  | 13        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 15  | 21        | 0.16                          |
| 2019 | 3   | 52835        |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 52835        |                            | 101     | 17  | 21        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 18  | 18        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 19  | 20        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 20  | 21        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 21  | 20        | 0.18                          |
| 2019 | 3   | 52835        |                            | 101     | 22  | 20        | 0.15                          |
| 2019 | 3   | 52835        |                            | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 25  | 20        | 0.17                          |
| 2019 | 3   | 52835        |                            | 101     | 26  | 21        | 0.14                          |
| 2019 | 3   | 52835        |                            | 101     | 27  | 21        | 0.11                          |
| 2019 | 3   | 52835        |                            | 101     | 28  | 21        | 0.13                          |
| 2019 | 3   | 52835        |                            | 101     | 29  | 21        | 0.15                          |
| 2019 | 3   | 52835        |                            | 101     | 30  | 21        | 0.16                          |
| 2019 | 3   | 52835        |                            | 101     | 31  | 20        | 0.13                          |
| 2019 | 3   | 5308         |                            | 101     | 1   | 20        | 0.30                          |
| 2019 | 3   | 5308         |                            | 101     | 2   | 20        | 0.32                          |
| 2019 | 3   | 5308         |                            | 101     | 3   | 19        | 0.46                          |
| 2019 | 3   | 5308         |                            | 101     | 4   | 20        | 0.30                          |
| 2019 | 3   | 5308         |                            | 101     | 5   | 20        | 0.33                          |
| 2019 | 3   | 5308         |                            | 101     | 6   | 20        | 0.30                          |
| 2019 | 3   | 5308         |                            | 101     | 7   | 20        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 8   | 21        | 0.27                          |
| 2019 | 3   | 5308         |                            | 101     | 9   | 20        | 0.25                          |
| 2019 | 3   | 5308         |                            | 101     | 10  | 20        | 0.34                          |
| 2019 | 3   | 5308         |                            | 101     | 11  | 20        | 0.33                          |
| 2019 | 3   | 5308         |                            | 101     | 12  | 20        | 0.31                          |
| 2019 | 3   | 5308         |                            | 101     | 13  | 21        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 14  | 20        | 0.35                          |
| 2019 | 3   | 5308         |                            | 101     | 15  | 20        | 0.27                          |
| 2019 | 3   | 5308         |                            | 101     | 16  | 20        | 0.27                          |
| 2019 | 3   | 5308         |                            | 101     | 17  | 19        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 18  | 20        | 0.30                          |
| 2019 | 3   | 5308         |                            | 101     | 19  | 20        | 0.32                          |
| 2019 | 3   | 5308         |                            | 101     | 20  | 20        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 21  | 20        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 22  | 20        | 0.29                          |
| 2019 | 3   | 5308         |                            | 101     | 23  | 21        | 0.34                          |
| 2019 | 3   | 5308         |                            | 101     | 24  | 20        | 0.42                          |
| 2019 | 3   | 5308         |                            | 101     | 25  | 19        | 0.32                          |
| 2019 | 3   | 5308         |                            | 101     | 26  | 20        | 1.97                          |
| 2019 | 3   | 5308         |                            | 101     | 27  | 20        | 0.24                          |
| 2019 | 3   | 5308         |                            | 101     | 28  | 20        | 0.41                          |
| 2019 | 3   | 5308         |                            | 101     | 29  | 20        | 0.35                          |
| 2019 | 3   | 5308         |                            | 101     | 30  | 20        | 0.27                          |
| 2019 | 3   | 5308         |                            | 101     | 31  | 20        | 0.30                          |
| 2019 | 3   | 5318         |                            | 101     | 1   | 20        | 0.27                          |
| 2019 | 3   | 5318         |                            | 101     | 2   | 20        | 0.27                          |
| 2019 | 3   | 5318         |                            | 101     | 3   | 19        | 0.32                          |
| 2019 | 3   | 5318         |                            | 101     | 4   | 20        | 0.29                          |
| 2019 | 3   | 5318         |                            | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 5318         |                            | 101     | 6   | 20        | 0.36                          |
| 2019 | 3   | 5318         |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 5318         |                            | 101     | 8   | 21        | 0.26                          |
| 2019 | 3   | 5318         |                            | 101     | 9   | 20        | 0.29                          |
| 2019 | 3   | 5318         |                            | 101     | 10  | 20        | 0.29                          |
| 2019 | 3   | 5318         |                            | 101     | 11  | 20        | 0.21                          |
| 2019 | 3   | 5318         |                            | 101     | 12  | 20        | 0.24                          |
| 2019 | 3   | 5318         |                            | 101     | 13  | 21        | 0.28                          |
| 2019 | 3   | 5318         |                            | 101     | 14  | 20        | 0.23                          |
| 2019 | 3   | 5318         |                            | 101     | 15  | 20        | 0.27                          |
| 2019 | 3   | 5318         |                            | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 5318         |                            | 101     | 17  | 19        | 0.29                          |
| 2019 | 3   | 5318         |                            | 101     | 18  | 20        | 0.30                          |
| 2019 | 3   | 5318         |                            | 101     | 19  | 20        | 0.22                          |
| 2019 | 3   | 5318         |                            | 101     | 20  | 20        | 0.31                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5318         |                            | 101     | 21  | 20        | 0.26                          |
| 2019 | 3   | 5318         |                            | 101     | 22  | 20        | 0.31                          |
| 2019 | 3   | 5318         |                            | 101     | 23  | 21        | 0.26                          |
| 2019 | 3   | 5318         |                            | 101     | 24  | 20        | 0.34                          |
| 2019 | 3   | 5318         |                            | 101     | 25  | 19        | 0.31                          |
| 2019 | 3   | 5318         |                            | 101     | 26  | 20        | 0.21                          |
| 2019 | 3   | 5318         |                            | 101     | 27  | 20        | 0.24                          |
| 2019 | 3   | 5318         |                            | 101     | 28  | 20        | 0.30                          |
| 2019 | 3   | 5318         |                            | 101     | 29  | 20        | 0.26                          |
| 2019 | 3   | 5318         |                            | 101     | 30  | 20        | 0.27                          |
| 2019 | 3   | 5318         |                            | 101     | 31  | 20        | 0.25                          |
| 2019 | 3   | 5360         |                            | 101     | 1   | 20        | 0.33                          |
| 2019 | 3   | 5360         |                            | 101     | 2   | 20        | 0.36                          |
| 2019 | 3   | 5360         |                            | 101     | 3   | 19        | 0.36                          |
| 2019 | 3   | 5360         |                            | 101     | 4   | 20        | 0.36                          |
| 2019 | 3   | 5360         |                            | 101     | 5   | 20        | 0.32                          |
| 2019 | 3   | 5360         |                            | 101     | 6   | 20        | 0.32                          |
| 2019 | 3   | 5360         |                            | 101     | 7   | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 8   | 21        | 0.35                          |
| 2019 | 3   | 5360         |                            | 101     | 9   | 20        | 0.35                          |
| 2019 | 3   | 5360         |                            | 101     | 10  | 20        | 0.35                          |
| 2019 | 3   | 5360         |                            | 101     | 11  | 20        | 0.34                          |
| 2019 | 3   | 5360         |                            | 101     | 12  | 20        | 0.32                          |
| 2019 | 3   | 5360         |                            | 101     | 13  | 21        | 0.30                          |
| 2019 | 3   | 5360         |                            | 101     | 14  | 20        | 0.27                          |
| 2019 | 3   | 5360         |                            | 101     | 15  | 20        | 0.25                          |
| 2019 | 3   | 5360         |                            | 101     | 16  | 20        | 0.26                          |
| 2019 | 3   | 5360         |                            | 101     | 17  | 19        | 0.30                          |
| 2019 | 3   | 5360         |                            | 101     | 18  | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 19  | 20        | 0.31                          |
| 2019 | 3   | 5360         |                            | 101     | 20  | 20        | 0.31                          |
| 2019 | 3   | 5360         |                            | 101     | 21  | 20        | 0.30                          |
| 2019 | 3   | 5360         |                            | 101     | 22  | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 23  | 21        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 24  | 20        | 0.34                          |
| 2019 | 3   | 5360         |                            | 101     | 25  | 19        | 0.36                          |
| 2019 | 3   | 5360         |                            | 101     | 26  | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 27  | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 28  | 20        | 0.30                          |
| 2019 | 3   | 5360         |                            | 101     | 29  | 20        | 0.29                          |
| 2019 | 3   | 5360         |                            | 101     | 30  | 20        | 0.27                          |
| 2019 | 3   | 5360         |                            | 101     | 31  | 20        | 0.32                          |
| 2019 | 3   | 5376         |                            | 101     | 1   | 20        | 0.36                          |
| 2019 | 3   | 5376         |                            | 101     | 2   | 20        | 0.31                          |
| 2019 | 3   | 5376         |                            | 101     | 3   | 19        | 0.37                          |
| 2019 | 3   | 5376         |                            | 101     | 4   | 20        | 0.29                          |
| 2019 | 3   | 5376         |                            | 101     | 5   | 20        | 0.35                          |
| 2019 | 3   | 5376         |                            | 101     | 6   | 20        | 0.31                          |
| 2019 | 3   | 5376         |                            | 101     | 7   | 20        | 0.29                          |
| 2019 | 3   | 5376         |                            | 101     | 8   | 21        | 0.27                          |
| 2019 | 3   | 5376         |                            | 101     | 9   | 20        | 0.33                          |
| 2019 | 3   | 5376         |                            | 101     | 10  | 20        | 0.47                          |
| 2019 | 3   | 5376         |                            | 101     | 11  | 20        | 0.38                          |
| 2019 | 3   | 5376         |                            | 101     | 12  | 20        | 0.33                          |
| 2019 | 3   | 5376         |                            | 101     | 13  | 21        | 0.34                          |
| 2019 | 3   | 5376         |                            | 101     | 14  | 20        | 0.30                          |
| 2019 | 3   | 5376         |                            | 101     | 15  | 20        | 0.26                          |
| 2019 | 3   | 5376         |                            | 101     | 16  | 20        | 0.35                          |
| 2019 | 3   | 5376         |                            | 101     | 17  | 19        | 0.34                          |
| 2019 | 3   | 5376         |                            | 101     | 18  | 20        | 0.39                          |
| 2019 | 3   | 5376         |                            | 101     | 19  | 20        | 0.38                          |
| 2019 | 3   | 5376         |                            | 101     | 20  | 20        | 0.40                          |
| 2019 | 3   | 5376         |                            | 101     | 21  | 20        | 0.28                          |
| 2019 | 3   | 5376         |                            | 101     | 22  | 20        | 0.37                          |
| 2019 | 3   | 5376         |                            | 101     | 23  | 21        | 0.33                          |
| 2019 | 3   | 5376         |                            | 101     | 24  | 20        | 0.41                          |
| 2019 | 3   | 5376         |                            | 101     | 25  | 19        | 0.35                          |
| 2019 | 3   | 5376         |                            | 101     | 26  | 20        | 0.42                          |
| 2019 | 3   | 5376         |                            | 101     | 27  | 20        | 0.34                          |
| 2019 | 3   | 5376         |                            | 101     | 28  | 20        | 0.39                          |
| 2019 | 3   | 5376         |                            | 101     | 29  | 20        | 0.37                          |
| 2019 | 3   | 5376         |                            | 101     | 30  | 20        | 0.38                          |
| 2019 | 3   | 5376         |                            | 101     | 31  | 20        | 0.44                          |
| 2019 | 3   | 5380         |                            | 101     | 1   | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 2   | 20        | 0.40                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5380         |                            | 101     | 3   | 19        | 0.40                          |
| 2019 | 3   | 5380         |                            | 101     | 4   | 20        | 0.38                          |
| 2019 | 3   | 5380         |                            | 101     | 5   | 20        | 0.31                          |
| 2019 | 3   | 5380         |                            | 101     | 6   | 20        | 0.34                          |
| 2019 | 3   | 5380         |                            | 101     | 7   | 20        | 0.38                          |
| 2019 | 3   | 5380         |                            | 101     | 8   | 21        | 0.36                          |
| 2019 | 3   | 5380         |                            | 101     | 9   | 20        | 0.37                          |
| 2019 | 3   | 5380         |                            | 101     | 10  | 20        | 0.44                          |
| 2019 | 3   | 5380         |                            | 101     | 11  | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 12  | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 13  | 21        | 0.30                          |
| 2019 | 3   | 5380         |                            | 101     | 14  | 20        | 0.33                          |
| 2019 | 3   | 5380         |                            | 101     | 15  | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 16  | 20        | 0.31                          |
| 2019 | 3   | 5380         |                            | 101     | 17  | 19        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 18  | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 19  | 20        | 0.31                          |
| 2019 | 3   | 5380         |                            | 101     | 20  | 20        | 0.31                          |
| 2019 | 3   | 5380         |                            | 101     | 21  | 20        | 0.33                          |
| 2019 | 3   | 5380         |                            | 101     | 22  | 20        | 0.30                          |
| 2019 | 3   | 5380         |                            | 101     | 23  | 21        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 24  | 20        | 0.37                          |
| 2019 | 3   | 5380         |                            | 101     | 25  | 19        | 0.38                          |
| 2019 | 3   | 5380         |                            | 101     | 26  | 20        | 0.32                          |
| 2019 | 3   | 5380         |                            | 101     | 27  | 20        | 0.29                          |
| 2019 | 3   | 5380         |                            | 101     | 28  | 20        | 0.30                          |
| 2019 | 3   | 5380         |                            | 101     | 29  | 20        | 0.29                          |
| 2019 | 3   | 5380         |                            | 101     | 30  | 20        | 0.31                          |
| 2019 | 3   | 5380         |                            | 101     | 31  | 20        | 0.33                          |
| 2019 | 3   | 54001        |                            | 101     | 1   | 21        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 3   | 20        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 4   | 20        | 0.17                          |
| 2019 | 3   | 54001        |                            | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 54001        |                            | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 54001        |                            | 101     | 8   | 20        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 9   | 21        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 10  | 20        | 0.23                          |
| 2019 | 3   | 54001        |                            | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 13  | 21        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 14  | 20        | 0.17                          |
| 2019 | 3   | 54001        |                            | 101     | 15  | 20        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 17  | 19        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 18  | 21        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 19  | 20        | 0.21                          |
| 2019 | 3   | 54001        |                            | 101     | 20  | 21        | 0.21                          |
| 2019 | 3   | 54001        |                            | 101     | 21  | 19        | 0.17                          |
| 2019 | 3   | 54001        |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 54001        |                            | 101     | 23  | 20        | 0.19                          |
| 2019 | 3   | 54001        |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 54001        |                            | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 54001        |                            | 101     | 26  | 20        | 0.21                          |
| 2019 | 3   | 54001        |                            | 101     | 27  | 21        | 0.18                          |
| 2019 | 3   | 54001        |                            | 101     | 28  | 20        | 0.22                          |
| 2019 | 3   | 54001        |                            | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 54001        |                            | 101     | 30  | 19        | 0.16                          |
| 2019 | 3   | 54001        |                            | 101     | 31  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 1   | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 2   | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 3   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 5   | 20        | 0.10                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 6   | 21        | 0.10                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 7   | 20        | 0.60                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 9   | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 12  | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 13  | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 15  | 20        | 0.11                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 54001        | 5400101                    | 101     | 16  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 18  | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 19  | 20        | 0.45                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 20  | 21        | 0.20                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 21  | 19        | 0.10                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 22  | 20        | 0.32                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 23  | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 26  | 20        | 0.42                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 27  | 21        | 0.11                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 28  | 20        | 0.35                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 30  | 19        | 0.11                          |
| 2019 | 3   | 54001        | 5400101                    | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 1   | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 2   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 3   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 6   | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 9   | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 10  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 12  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 13  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 16  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 18  | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 19  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 20  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 21  | 19        | 0.12                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 22  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 26  | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 27  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 28  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 54001        | 5400102                    | 101     | 31  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 1   | 21        | 0.27                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 2   | 20        | 0.28                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 3   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 4   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 5   | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 6   | 21        | 0.23                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 7   | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 8   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 9   | 21        | 0.26                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 10  | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 11  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 12  | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 13  | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 15  | 20        | 0.26                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 16  | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 17  | 19        | 0.24                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 18  | 21        | 0.26                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 19  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 20  | 21        | 0.30                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 21  | 19        | 0.25                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 22  | 20        | 0.32                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 23  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 24  | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 25  | 19        | 0.24                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 26  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 27  | 21        | 0.23                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 28  | 20        | 0.25                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 54001        | 5400103                    | 101     | 29  | 19        | 0.24                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 30  | 19        | 0.22                          |
| 2019 | 3   | 54001        | 5400103                    | 101     | 31  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 1   | 21        | 0.18                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 2   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 3   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 4   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 5   | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 6   | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 7   | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 8   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 9   | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 11  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 12  | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 13  | 21        | 0.22                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 14  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 15  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 17  | 19        | 0.23                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 18  | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 19  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 20  | 21        | 0.24                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 21  | 19        | 0.24                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 22  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 23  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 26  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 27  | 21        | 0.16                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 28  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 29  | 19        | 0.20                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 30  | 19        | 0.18                          |
| 2019 | 3   | 54001        | 5400104                    | 101     | 31  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 1   | 21        | 0.20                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 2   | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 3   | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 4   | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 5   | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 8   | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 9   | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 10  | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 13  | 21        | 0.16                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 16  | 21        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 17  | 19        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 18  | 21        | 0.18                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 19  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 20  | 21        | 0.25                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 21  | 19        | 0.15                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 23  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 24  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 25  | 19        | 0.13                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 26  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 27  | 21        | 0.14                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 28  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 29  | 19        | 0.13                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 54001        | 5400105                    | 101     | 31  | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 1   | 21        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 2   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 3   | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 6   | 21        | 0.10                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 8   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 9   | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 10  | 20        | 0.13                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 54001        | 5400106                    | 101     | 11  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 12  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 13  | 21        | 0.10                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 14  | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 15  | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 16  | 21        | 0.12                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 18  | 21        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 19  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 20  | 21        | 0.15                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 21  | 19        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 22  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 23  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 26  | 20        | 0.11                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 27  | 21        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 28  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 29  | 19        | 0.14                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 54001        | 5400106                    | 101     | 31  | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 1   | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 2   | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 3   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 4   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 5   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 6   | 21        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 7   | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 8   | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 9   | 21        | 0.15                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 10  | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 13  | 21        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 15  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 17  | 19        | 0.20                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 18  | 21        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 20  | 21        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 21  | 19        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 22  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 23  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 25  | 19        | 0.18                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 26  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 27  | 21        | 0.16                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 28  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 29  | 19        | 0.16                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 30  | 19        | 0.12                          |
| 2019 | 3   | 54001        | 5400107                    | 101     | 31  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 1   | 21        | 0.25                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 2   | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 3   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 4   | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 5   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 6   | 21        | 0.26                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 8   | 20        | 0.26                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 9   | 21        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 10  | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 11  | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 12  | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 13  | 21        | 0.31                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 14  | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 15  | 20        | 0.28                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 16  | 21        | 0.29                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 17  | 19        | 0.29                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 18  | 21        | 0.27                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 19  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 20  | 21        | 0.26                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 21  | 19        | 0.21                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 22  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 23  | 20        | 0.24                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 54001        | 5400108                    | 101     | 24  | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 25  | 19        | 0.23                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 26  | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 27  | 21        | 0.24                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 28  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 29  | 19        | 0.19                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 30  | 19        | 0.18                          |
| 2019 | 3   | 54001        | 5400108                    | 101     | 31  | 20        | 0.25                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 1   | 21        | 0.24                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 3   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 4   | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 5   | 20        | 0.22                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 6   | 21        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 7   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 8   | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 9   | 21        | 0.28                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 10  | 20        | 0.61                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 11  | 20        | 0.28                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 12  | 20        | 0.26                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 13  | 21        | 0.31                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 14  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 15  | 20        | 0.29                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 16  | 21        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 17  | 19        | 0.26                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 18  | 21        | 0.29                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 19  | 20        | 0.30                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 20  | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 21  | 19        | 0.22                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 22  | 20        | 0.29                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 23  | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 25  | 19        | 0.24                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 26  | 20        | 0.30                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 27  | 21        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 28  | 20        | 0.27                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 29  | 19        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 30  | 19        | 0.23                          |
| 2019 | 3   | 54001        | 5400109                    | 101     | 31  | 20        | 0.23                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 1   | 21        | 0.22                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 3   | 20        | 0.18                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 4   | 20        | 0.14                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 8   | 20        | 0.24                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 9   | 21        | 0.19                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 10  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 11  | 20        | 0.15                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 13  | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 14  | 20        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 15  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 16  | 21        | 0.15                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 17  | 19        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 18  | 21        | 0.16                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 19  | 20        | 0.16                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 20  | 21        | 0.18                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 21  | 19        | 0.23                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 22  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 23  | 20        | 0.19                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 25  | 19        | 0.16                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 26  | 20        | 0.20                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 27  | 21        | 0.21                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 28  | 20        | 0.21                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 30  | 19        | 0.18                          |
| 2019 | 3   | 54001        | 5400110                    | 101     | 31  | 20        | 0.12                          |
| 2019 | 3   | 5440         |                            | 101     | 1   | 20        | 0.21                          |
| 2019 | 3   | 5440         |                            | 101     | 2   | 20        | 0.24                          |
| 2019 | 3   | 5440         |                            | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 5440         |                            | 101     | 4   | 20        | 0.18                          |
| 2019 | 3   | 5440         |                            | 101     | 5   | 20        | 0.19                          |





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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5440         |                            | 101     | 6   | 20        | 0.18                          |
| 2019 | 3   | 5440         |                            | 101     | 7   | 20        | 0.20                          |
| 2019 | 3   | 5440         |                            | 101     | 8   | 21        | 0.23                          |
| 2019 | 3   | 5440         |                            | 101     | 9   | 20        | 0.21                          |
| 2019 | 3   | 5440         |                            | 101     | 10  | 20        | 0.25                          |
| 2019 | 3   | 5440         |                            | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 5440         |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 5440         |                            | 101     | 13  | 21        | 0.18                          |
| 2019 | 3   | 5440         |                            | 101     | 14  | 20        | 0.17                          |
| 2019 | 3   | 5440         |                            | 101     | 15  | 20        | 0.19                          |
| 2019 | 3   | 5440         |                            | 101     | 16  | 20        | 0.21                          |
| 2019 | 3   | 5440         |                            | 101     | 17  | 19        | 0.27                          |
| 2019 | 3   | 5440         |                            | 101     | 18  | 20        | 0.21                          |
| 2019 | 3   | 5440         |                            | 101     | 19  | 20        | 0.22                          |
| 2019 | 3   | 5440         |                            | 101     | 20  | 20        | 0.18                          |
| 2019 | 3   | 5440         |                            | 101     | 21  | 20        | 0.23                          |
| 2019 | 3   | 5440         |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 5440         |                            | 101     | 23  | 21        | 0.21                          |
| 2019 | 3   | 5440         |                            | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 5440         |                            | 101     | 25  | 19        | 0.28                          |
| 2019 | 3   | 5440         |                            | 101     | 26  | 20        | 0.20                          |
| 2019 | 3   | 5440         |                            | 101     | 27  | 20        | 0.20                          |
| 2019 | 3   | 5440         |                            | 101     | 28  | 20        | 0.24                          |
| 2019 | 3   | 5440         |                            | 101     | 29  | 20        | 0.15                          |
| 2019 | 3   | 5440         |                            | 101     | 30  | 20        | 0.22                          |
| 2019 | 3   | 5440         |                            | 101     | 31  | 20        | 0.23                          |
| 2019 | 3   | 54405        |                            | 101     | 1   | 21        | 0.11                          |
| 2019 | 3   | 54405        |                            | 101     | 2   | 21        | 0.15                          |
| 2019 | 3   | 54405        |                            | 101     | 3   | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 4   | 21        | 0.11                          |
| 2019 | 3   | 54405        |                            | 101     | 5   | 21        | 0.11                          |
| 2019 | 3   | 54405        |                            | 101     | 6   | 21        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 8   | 21        | 0.16                          |
| 2019 | 3   | 54405        |                            | 101     | 9   | 20        | 0.15                          |
| 2019 | 3   | 54405        |                            | 101     | 10  | 20        | 0.22                          |
| 2019 | 3   | 54405        |                            | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 12  | 20        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 13  | 21        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 14  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 15  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 16  | 21        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 17  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 18  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 19  | 21        | 0.13                          |
| 2019 | 3   | 54405        |                            | 101     | 20  | 20        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 21  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 22  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 23  | 20        | 0.17                          |
| 2019 | 3   | 54405        |                            | 101     | 24  | 19        | 0.15                          |
| 2019 | 3   | 54405        |                            | 101     | 25  | 20        | 0.14                          |
| 2019 | 3   | 54405        |                            | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 54405        |                            | 101     | 27  | 20        | 0.10                          |
| 2019 | 3   | 54405        |                            | 101     | 28  | 20        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 29  | 19        | 0.12                          |
| 2019 | 3   | 54405        |                            | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 54405        |                            | 101     | 31  | 13        | 0.12                          |
| 2019 | 3   | 54498        |                            | 101     | 1   | 21        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 2   | 21        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 3   | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 4   | 21        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 5   | 21        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 6   | 21        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 7   | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 8   | 21        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 9   | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 10  | 20        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 11  | 20        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 12  | 20        | 0.06                          |
| 2019 | 3   | 54498        |                            | 101     | 13  | 21        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 14  | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 15  | 20        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 16  | 21        | 0.10                          |
| 2019 | 3   | 54498        |                            | 101     | 17  | 20        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 18  | 20        | 0.08                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 54498        |                            | 101     | 19  | 21        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 20  | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 21  | 20        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 22  | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 23  | 20        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 24  | 19        | 0.08                          |
| 2019 | 3   | 54498        |                            | 101     | 25  | 20        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 26  | 20        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 27  | 20        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 28  | 20        | 0.07                          |
| 2019 | 3   | 54498        |                            | 101     | 29  | 19        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 30  | 19        | 0.09                          |
| 2019 | 3   | 54498        |                            | 101     | 31  | 13        | 0.09                          |
| 2019 | 3   | 54874        |                            | 101     | 1   | 21        | 0.22                          |
| 2019 | 3   | 54874        |                            | 101     | 2   | 21        | 0.19                          |
| 2019 | 3   | 54874        |                            | 101     | 3   | 20        | 0.24                          |
| 2019 | 3   | 54874        |                            | 101     | 4   | 21        | 0.20                          |
| 2019 | 3   | 54874        |                            | 101     | 5   | 21        | 0.23                          |
| 2019 | 3   | 54874        |                            | 101     | 6   | 21        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 8   | 21        | 0.18                          |
| 2019 | 3   | 54874        |                            | 101     | 9   | 20        | 0.22                          |
| 2019 | 3   | 54874        |                            | 101     | 10  | 20        | 0.24                          |
| 2019 | 3   | 54874        |                            | 101     | 11  | 20        | 0.25                          |
| 2019 | 3   | 54874        |                            | 101     | 12  | 20        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 13  | 21        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 14  | 20        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 15  | 20        | 0.27                          |
| 2019 | 3   | 54874        |                            | 101     | 16  | 21        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 17  | 20        | 0.26                          |
| 2019 | 3   | 54874        |                            | 101     | 18  | 20        | 0.25                          |
| 2019 | 3   | 54874        |                            | 101     | 19  | 21        | 0.24                          |
| 2019 | 3   | 54874        |                            | 101     | 20  | 20        | 0.31                          |
| 2019 | 3   | 54874        |                            | 101     | 21  | 20        | 0.22                          |
| 2019 | 3   | 54874        |                            | 101     | 22  | 20        | 0.26                          |
| 2019 | 3   | 54874        |                            | 101     | 23  | 20        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 24  | 19        | 0.26                          |
| 2019 | 3   | 54874        |                            | 101     | 25  | 20        | 0.22                          |
| 2019 | 3   | 54874        |                            | 101     | 26  | 20        | 0.21                          |
| 2019 | 3   | 54874        |                            | 101     | 27  | 20        | 0.27                          |
| 2019 | 3   | 54874        |                            | 101     | 28  | 20        | 0.28                          |
| 2019 | 3   | 54874        |                            | 101     | 29  | 19        | 0.24                          |
| 2019 | 3   | 54874        |                            | 101     | 30  | 19        | 0.22                          |
| 2019 | 3   | 54874        |                            | 101     | 31  | 13        | 0.19                          |
| 2019 | 3   | 5607         |                            | 101     | 1   | 20        | 0.18                          |
| 2019 | 3   | 5607         |                            | 101     | 2   | 20        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 3   | 19        | 0.20                          |
| 2019 | 3   | 5607         |                            | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 5607         |                            | 101     | 5   | 20        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 6   | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 5607         |                            | 101     | 8   | 21        | 0.15                          |
| 2019 | 3   | 5607         |                            | 101     | 9   | 20        | 0.11                          |
| 2019 | 3   | 5607         |                            | 101     | 10  | 20        | 0.17                          |
| 2019 | 3   | 5607         |                            | 101     | 11  | 20        | 0.09                          |
| 2019 | 3   | 5607         |                            | 101     | 12  | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 13  | 21        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 14  | 20        | 0.10                          |
| 2019 | 3   | 5607         |                            | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 5607         |                            | 101     | 16  | 20        | 0.13                          |
| 2019 | 3   | 5607         |                            | 101     | 17  | 19        | 0.23                          |
| 2019 | 3   | 5607         |                            | 101     | 18  | 20        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 19  | 20        | 0.19                          |
| 2019 | 3   | 5607         |                            | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 21  | 20        | 0.18                          |
| 2019 | 3   | 5607         |                            | 101     | 22  | 20        | 0.15                          |
| 2019 | 3   | 5607         |                            | 101     | 23  | 21        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 24  | 20        | 0.15                          |
| 2019 | 3   | 5607         |                            | 101     | 25  | 19        | 0.21                          |
| 2019 | 3   | 5607         |                            | 101     | 26  | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 27  | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 5607         |                            | 101     | 29  | 20        | 0.12                          |
| 2019 | 3   | 5607         |                            | 101     | 30  | 20        | 0.16                          |
| 2019 | 3   | 5607         |                            | 101     | 31  | 20        | 0.17                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5615         |                            | 101     | 1   | 20        | 0.24                          |
| 2019 | 3   | 5615         |                            | 101     | 2   | 20        | 0.24                          |
| 2019 | 3   | 5615         |                            | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 5615         |                            | 101     | 4   | 20        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 5   | 20        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 6   | 20        | 0.21                          |
| 2019 | 3   | 5615         |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 5615         |                            | 101     | 8   | 21        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 9   | 20        | 0.23                          |
| 2019 | 3   | 5615         |                            | 101     | 10  | 20        | 0.24                          |
| 2019 | 3   | 5615         |                            | 101     | 11  | 20        | 0.25                          |
| 2019 | 3   | 5615         |                            | 101     | 12  | 20        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 13  | 21        | 0.17                          |
| 2019 | 3   | 5615         |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 15  | 20        | 0.18                          |
| 2019 | 3   | 5615         |                            | 101     | 16  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 17  | 19        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 18  | 20        | 0.25                          |
| 2019 | 3   | 5615         |                            | 101     | 19  | 20        | 0.23                          |
| 2019 | 3   | 5615         |                            | 101     | 20  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 21  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 23  | 21        | 0.19                          |
| 2019 | 3   | 5615         |                            | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 5615         |                            | 101     | 25  | 19        | 0.23                          |
| 2019 | 3   | 5615         |                            | 101     | 26  | 20        | 0.23                          |
| 2019 | 3   | 5615         |                            | 101     | 27  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 28  | 20        | 0.21                          |
| 2019 | 3   | 5615         |                            | 101     | 29  | 20        | 0.19                          |
| 2019 | 3   | 5615         |                            | 101     | 30  | 20        | 0.20                          |
| 2019 | 3   | 5615         |                            | 101     | 31  | 20        | 0.22                          |
| 2019 | 3   | 5631         |                            | 101     | 1   | 20        | 0.14                          |
| 2019 | 3   | 5631         |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 3   | 19        | 0.16                          |
| 2019 | 3   | 5631         |                            | 101     | 4   | 20        | 0.14                          |
| 2019 | 3   | 5631         |                            | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 5631         |                            | 101     | 6   | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 7   | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 8   | 21        | 0.16                          |
| 2019 | 3   | 5631         |                            | 101     | 9   | 20        | 0.16                          |
| 2019 | 3   | 5631         |                            | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 5631         |                            | 101     | 11  | 20        | 0.20                          |
| 2019 | 3   | 5631         |                            | 101     | 12  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 13  | 21        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 14  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 15  | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 5631         |                            | 101     | 17  | 19        | 0.18                          |
| 2019 | 3   | 5631         |                            | 101     | 18  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 20  | 20        | 0.16                          |
| 2019 | 3   | 5631         |                            | 101     | 21  | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 22  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 23  | 21        | 0.14                          |
| 2019 | 3   | 5631         |                            | 101     | 24  | 20        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 25  | 19        | 0.17                          |
| 2019 | 3   | 5631         |                            | 101     | 26  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 27  | 20        | 0.14                          |
| 2019 | 3   | 5631         |                            | 101     | 28  | 20        | 0.13                          |
| 2019 | 3   | 5631         |                            | 101     | 29  | 20        | 0.16                          |
| 2019 | 3   | 5631         |                            | 101     | 30  | 20        | 0.15                          |
| 2019 | 3   | 5631         |                            | 101     | 31  | 20        | 0.17                          |
| 2019 | 3   | 5837         |                            | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 2   | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 3   | 19        | 0.12                          |
| 2019 | 3   | 5837         |                            | 101     | 4   | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 5   | 20        | 0.08                          |
| 2019 | 3   | 5837         |                            | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 8   | 21        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 9   | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 10  | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 11  | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 12  | 20        | 0.53                          |
| 2019 | 3   | 5837         |                            | 101     | 13  | 21        | 0.11                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 5837         |                            | 101     | 14  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 15  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 16  | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 17  | 19        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 18  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 19  | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 20  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 21  | 20        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 22  | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 23  | 21        | 0.11                          |
| 2019 | 3   | 5837         |                            | 101     | 24  | 20        | 0.12                          |
| 2019 | 3   | 5837         |                            | 101     | 25  | 19        | 0.15                          |
| 2019 | 3   | 5837         |                            | 101     | 26  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 27  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 28  | 20        | 0.09                          |
| 2019 | 3   | 5837         |                            | 101     | 29  | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 30  | 20        | 0.10                          |
| 2019 | 3   | 5837         |                            | 101     | 31  | 20        | 0.11                          |
| 2019 | 3   | 63001        |                            | 101     | 1   | 18        | 0.19                          |
| 2019 | 3   | 63001        |                            | 101     | 2   | 20        | 0.15                          |
| 2019 | 3   | 63001        |                            | 101     | 3   | 17        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 4   | 17        | 0.13                          |
| 2019 | 3   | 63001        |                            | 101     | 5   | 16        | 0.12                          |
| 2019 | 3   | 63001        |                            | 101     | 6   | 15        | 0.15                          |
| 2019 | 3   | 63001        |                            | 101     | 7   | 14        | 0.14                          |
| 2019 | 3   | 63001        |                            | 101     | 8   | 18        | 0.14                          |
| 2019 | 3   | 63001        |                            | 101     | 9   | 20        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 10  | 19        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 11  | 18        | 0.17                          |
| 2019 | 3   | 63001        |                            | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 63001        |                            | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 63001        |                            | 101     | 14  | 16        | 0.12                          |
| 2019 | 3   | 63001        |                            | 101     | 15  | 14        | 0.13                          |
| 2019 | 3   | 63001        |                            | 101     | 16  | 20        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 17  | 19        | 0.17                          |
| 2019 | 3   | 63001        |                            | 101     | 18  | 17        | 0.14                          |
| 2019 | 3   | 63001        |                            | 101     | 19  | 12        | 0.18                          |
| 2019 | 3   | 63001        |                            | 101     | 20  | 12        | 0.14                          |
| 2019 | 3   | 63001        |                            | 101     | 21  | 15        | 0.17                          |
| 2019 | 3   | 63001        |                            | 101     | 22  | 16        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 23  | 20        | 0.18                          |
| 2019 | 3   | 63001        |                            | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 63001        |                            | 101     | 25  | 19        | 0.21                          |
| 2019 | 3   | 63001        |                            | 101     | 26  | 16        | 0.13                          |
| 2019 | 3   | 63001        |                            | 101     | 27  | 17        | 0.15                          |
| 2019 | 3   | 63001        |                            | 101     | 28  | 19        | 0.30                          |
| 2019 | 3   | 63001        |                            | 101     | 29  | 11        | 0.17                          |
| 2019 | 3   | 63001        |                            | 101     | 30  | 19        | 0.15                          |
| 2019 | 3   | 63001        |                            | 101     | 31  | 20        | 0.17                          |
| 2019 | 3   | 66001        |                            | 101     | 1   | 18        | 0.47                          |
| 2019 | 3   | 66001        |                            | 101     | 2   | 18        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 3   | 18        | 0.19                          |
| 2019 | 3   | 66001        |                            | 101     | 4   | 18        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 5   | 18        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 6   | 16        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 7   | 18        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 8   | 12        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 9   | 13        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 10  | 12        | 0.18                          |
| 2019 | 3   | 66001        |                            | 101     | 11  | 13        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 13  | 16        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 14  | 13        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 15  | 13        | 0.14                          |
| 2019 | 3   | 66001        |                            | 101     | 16  | 17        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 17  | 19        | 0.18                          |
| 2019 | 3   | 66001        |                            | 101     | 18  | 15        | 0.17                          |
| 2019 | 3   | 66001        |                            | 101     | 19  | 13        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 20  | 18        | 0.17                          |
| 2019 | 3   | 66001        |                            | 101     | 21  | 15        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 22  | 16        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 23  | 15        | 0.17                          |
| 2019 | 3   | 66001        |                            | 101     | 24  | 19        | 0.22                          |
| 2019 | 3   | 66001        |                            | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 66001        |                            | 101     | 26  | 17        | 0.15                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 66001        |                            | 101     | 27  | 18        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 28  | 18        | 0.15                          |
| 2019 | 3   | 66001        |                            | 101     | 29  | 18        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 30  | 20        | 0.16                          |
| 2019 | 3   | 66001        |                            | 101     | 31  | 19        | 0.21                          |
| 2019 | 3   | 66170        |                            | 101     | 1   | 21        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 2   | 20        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 3   | 20        | 0.20                          |
| 2019 | 3   | 66170        |                            | 101     | 4   | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 66170        |                            | 101     | 6   | 21        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 66170        |                            | 101     | 8   | 20        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 9   | 20        | 0.17                          |
| 2019 | 3   | 66170        |                            | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 66170        |                            | 101     | 11  | 20        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 12  | 21        | 0.14                          |
| 2019 | 3   | 66170        |                            | 101     | 13  | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 14  | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 66170        |                            | 101     | 16  | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 17  | 20        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 18  | 20        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 66170        |                            | 101     | 20  | 21        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 21  | 20        | 0.26                          |
| 2019 | 3   | 66170        |                            | 101     | 22  | 20        | 0.17                          |
| 2019 | 3   | 66170        |                            | 101     | 23  | 20        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 25  | 19        | 0.14                          |
| 2019 | 3   | 66170        |                            | 101     | 26  | 21        | 0.17                          |
| 2019 | 3   | 66170        |                            | 101     | 27  | 21        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 28  | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 29  | 21        | 0.16                          |
| 2019 | 3   | 66170        |                            | 101     | 30  | 21        | 0.15                          |
| 2019 | 3   | 66170        |                            | 101     | 31  | 19        | 0.20                          |
| 2019 | 3   | 68001        |                            | 101     | 1   | 18        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 2   | 18        | 0.21                          |
| 2019 | 3   | 68001        |                            | 101     | 3   | 20        | 0.23                          |
| 2019 | 3   | 68001        |                            | 101     | 4   | 13        | 0.21                          |
| 2019 | 3   | 68001        |                            | 101     | 5   | 12        | 0.20                          |
| 2019 | 3   | 68001        |                            | 101     | 6   | 16        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 7   | 18        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 8   | 12        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 9   | 18        | 0.23                          |
| 2019 | 3   | 68001        |                            | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 68001        |                            | 101     | 11  | 18        | 0.18                          |
| 2019 | 3   | 68001        |                            | 101     | 12  | 18        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 13  | 18        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 14  | 13        | 0.18                          |
| 2019 | 3   | 68001        |                            | 101     | 15  | 12        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 16  | 11        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 17  | 18        | 0.26                          |
| 2019 | 3   | 68001        |                            | 101     | 18  | 12        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 19  | 13        | 0.18                          |
| 2019 | 3   | 68001        |                            | 101     | 20  | 12        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 21  | 18        | 0.20                          |
| 2019 | 3   | 68001        |                            | 101     | 22  | 18        | 0.20                          |
| 2019 | 3   | 68001        |                            | 101     | 23  | 12        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 24  | 20        | 0.24                          |
| 2019 | 3   | 68001        |                            | 101     | 25  | 20        | 0.26                          |
| 2019 | 3   | 68001        |                            | 101     | 26  | 12        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 27  | 13        | 0.17                          |
| 2019 | 3   | 68001        |                            | 101     | 28  | 18        | 0.16                          |
| 2019 | 3   | 68001        |                            | 101     | 29  | 18        | 0.19                          |
| 2019 | 3   | 68001        |                            | 101     | 30  | 11        | 0.15                          |
| 2019 | 3   | 68001        |                            | 101     | 31  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 1   | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 2   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 3   | 20        | 0.22                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 4   | 13        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 5   | 12        | 0.11                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 6   | 16        | 0.12                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 8   | 12        | 0.14                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800101                    | 101     | 9   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 10  | 19        | 0.18                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 11  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 12  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 13  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 14  | 13        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 15  | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 16  | 11        | 0.15                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 17  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 18  | 12        | 0.13                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 19  | 13        | 0.12                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 20  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 21  | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 22  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 23  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 25  | 20        | 0.20                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 26  | 12        | 0.48                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 27  | 13        | 0.31                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 28  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 29  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 30  | 11        | 0.16                          |
| 2019 | 3   | 68001        | 6800101                    | 101     | 31  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 1   | 18        | 0.39                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 2   | 18        | 0.34                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 3   | 20        | 0.32                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 4   | 13        | 0.45                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 5   | 12        | 0.29                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 6   | 16        | 0.43                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 8   | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 9   | 18        | 0.50                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 10  | 19        | 0.25                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 11  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 12  | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 13  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 14  | 13        | 0.19                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 15  | 12        | 0.19                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 16  | 11        | 0.14                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 17  | 18        | 0.50                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 18  | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 19  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 20  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 21  | 18        | 0.41                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 22  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 23  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 25  | 20        | 0.35                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 26  | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 27  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 28  | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 29  | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 30  | 11        | 0.14                          |
| 2019 | 3   | 68001        | 6800103                    | 101     | 31  | 18        | 0.39                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 2   | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 3   | 20        | 0.27                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 4   | 13        | 0.18                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 5   | 12        | 0.29                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 6   | 16        | 0.18                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 7   | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 8   | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 9   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 10  | 19        | 0.31                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 11  | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 12  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 13  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 14  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 15  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 16  | 11        | 0.14                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 17  | 18        | 0.27                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 18  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 19  | 13        | 0.18                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 20  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 21  | 18        | 0.17                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800104                    | 101     | 22  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 23  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 24  | 20        | 0.32                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 25  | 20        | 0.36                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 26  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 27  | 13        | 0.15                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 28  | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 29  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 30  | 11        | 0.12                          |
| 2019 | 3   | 68001        | 6800104                    | 101     | 31  | 18        | 0.34                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 1   | 18        | 0.31                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 2   | 18        | 0.27                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 3   | 20        | 0.31                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 4   | 13        | 0.26                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 5   | 12        | 0.22                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 6   | 16        | 0.20                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 7   | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 8   | 12        | 0.29                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 9   | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 10  | 19        | 0.37                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 11  | 18        | 0.28                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 12  | 18        | 0.33                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 13  | 18        | 0.29                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 14  | 13        | 0.27                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 15  | 12        | 0.22                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 16  | 11        | 0.23                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 17  | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 18  | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 19  | 13        | 0.23                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 20  | 12        | 0.27                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 21  | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 22  | 18        | 0.34                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 23  | 12        | 0.26                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 24  | 20        | 0.28                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 25  | 20        | 0.36                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 26  | 12        | 0.28                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 27  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 28  | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 29  | 18        | 0.31                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 30  | 11        | 0.27                          |
| 2019 | 3   | 68001        | 6800105                    | 101     | 31  | 18        | 0.25                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 1   | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 2   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 3   | 20        | 0.17                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 4   | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 5   | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 6   | 16        | 0.14                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 7   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 8   | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 9   | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 10  | 19        | 0.21                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 11  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 12  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 13  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 14  | 13        | 0.19                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 15  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 16  | 11        | 0.19                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 17  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 18  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 19  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 20  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 21  | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 22  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 23  | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 24  | 20        | 0.25                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 25  | 20        | 0.31                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 26  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 27  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 28  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 29  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 30  | 11        | 0.14                          |
| 2019 | 3   | 68001        | 6800106                    | 101     | 31  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 1   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 2   | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 3   | 20        | 0.36                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800107                    | 101     | 4   | 13        | 0.21                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 5   | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 6   | 16        | 0.22                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 7   | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 8   | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 9   | 18        | 0.32                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 10  | 19        | 0.41                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 11  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 12  | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 13  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 14  | 13        | 0.32                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 15  | 12        | 0.27                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 16  | 11        | 0.27                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 17  | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 18  | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 19  | 13        | 0.36                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 20  | 12        | 0.38                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 21  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 22  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 23  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 24  | 20        | 0.25                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 25  | 20        | 0.22                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 26  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 27  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 28  | 18        | 0.12                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 29  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 30  | 11        | 0.13                          |
| 2019 | 3   | 68001        | 6800107                    | 101     | 31  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 1   | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 2   | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 3   | 20        | 0.31                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 4   | 13        | 0.24                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 5   | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 6   | 16        | 0.23                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 7   | 18        | 0.32                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 8   | 12        | 0.29                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 9   | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 10  | 19        | 0.32                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 11  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 12  | 18        | 0.40                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 13  | 18        | 0.25                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 14  | 13        | 0.20                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 15  | 12        | 0.19                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 16  | 11        | 0.25                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 17  | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 18  | 12        | 0.26                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 19  | 13        | 0.22                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 20  | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 21  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 22  | 18        | 0.32                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 23  | 12        | 0.32                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 24  | 20        | 0.31                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 25  | 20        | 0.39                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 26  | 12        | 0.23                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 27  | 13        | 0.21                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 28  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 29  | 18        | 0.39                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 30  | 11        | 0.20                          |
| 2019 | 3   | 68001        | 6800108                    | 101     | 31  | 18        | 0.41                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 1   | 18        | 0.22                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 2   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 3   | 20        | 0.21                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 4   | 13        | 0.21                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 5   | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 6   | 16        | 0.19                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 7   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 8   | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 9   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 10  | 19        | 0.28                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 11  | 18        | 0.22                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 12  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 13  | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 14  | 13        | 0.18                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 15  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 16  | 11        | 0.16                          |





## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800110                    | 101     | 17  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 18  | 12        | 0.20                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 19  | 13        | 0.20                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 20  | 12        | 0.25                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 21  | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 22  | 18        | 0.25                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 23  | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 24  | 20        | 0.32                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 25  | 20        | 0.27                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 26  | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 27  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 28  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 29  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 30  | 11        | 0.15                          |
| 2019 | 3   | 68001        | 6800110                    | 101     | 31  | 18        | 0.31                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 1   | 18        | 0.11                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 2   | 18        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 3   | 20        | 0.12                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 4   | 13        | 0.18                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 5   | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 6   | 16        | 0.10                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 7   | 18        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 8   | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 9   | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 10  | 19        | 0.18                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 11  | 18        | 0.11                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 12  | 18        | 0.12                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 13  | 18        | 0.12                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 14  | 13        | 0.10                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 15  | 12        | 0.11                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 16  | 11        | 0.12                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 17  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 18  | 12        | 0.08                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 19  | 13        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 20  | 12        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 21  | 18        | 0.10                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 22  | 18        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 23  | 12        | 0.11                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 25  | 20        | 0.13                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 26  | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 27  | 13        | 0.07                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 28  | 18        | 0.11                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 29  | 18        | 0.12                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 30  | 11        | 0.10                          |
| 2019 | 3   | 68001        | 6800111                    | 101     | 31  | 18        | 0.12                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 1   | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 2   | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 3   | 20        | 0.20                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 4   | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 5   | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 6   | 16        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 8   | 12        | 0.20                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 9   | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 10  | 19        | 0.18                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 11  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 12  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 13  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 14  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 15  | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 16  | 11        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 17  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 18  | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 19  | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 20  | 12        | 0.18                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 21  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 22  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 23  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 25  | 20        | 0.20                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 26  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 27  | 13        | 0.15                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 28  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 29  | 18        | 0.14                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800112                    | 101     | 30  | 11        | 0.12                          |
| 2019 | 3   | 68001        | 6800112                    | 101     | 31  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 1   | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 2   | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 3   | 20        | 0.19                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 4   | 13        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 5   | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 6   | 16        | 0.14                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 7   | 18        | 0.19                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 8   | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 9   | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 10  | 19        | 0.19                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 11  | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 12  | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 13  | 18        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 14  | 13        | 0.19                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 15  | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 16  | 11        | 0.20                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 17  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 18  | 12        | 0.17                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 19  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 20  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 21  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 22  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 23  | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 24  | 20        | 0.18                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 25  | 20        | 0.16                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 26  | 12        | 0.16                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 27  | 13        | 0.15                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 28  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 29  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 30  | 11        | 0.15                          |
| 2019 | 3   | 68001        | 6800113                    | 101     | 31  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 1   | 18        | 0.11                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 2   | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 3   | 20        | 0.20                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 4   | 13        | 0.18                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 5   | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 6   | 16        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 7   | 18        | 0.16                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 8   | 12        | 0.12                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 9   | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 10  | 19        | 0.20                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 11  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 13  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 14  | 13        | 0.11                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 15  | 12        | 0.13                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 16  | 11        | 0.11                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 17  | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 18  | 12        | 0.13                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 19  | 13        | 0.16                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 20  | 12        | 0.13                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 21  | 18        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 22  | 18        | 0.41                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 23  | 12        | 0.15                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 25  | 20        | 0.29                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 26  | 12        | 0.14                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 27  | 13        | 0.12                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 28  | 18        | 0.11                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 29  | 18        | 0.13                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 30  | 11        | 0.12                          |
| 2019 | 3   | 68001        | 6800115                    | 101     | 31  | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 2   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 3   | 20        | 0.26                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 4   | 13        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 5   | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 6   | 16        | 0.21                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 7   | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 8   | 12        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 9   | 18        | 0.29                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 10  | 19        | 0.30                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 11  | 18        | 0.26                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68001        | 6800116                    | 101     | 12  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 13  | 18        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 14  | 13        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 15  | 12        | 0.20                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 16  | 11        | 0.22                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 17  | 18        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 18  | 12        | 0.24                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 19  | 13        | 0.25                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 20  | 12        | 0.19                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 21  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 22  | 18        | 0.24                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 23  | 12        | 0.31                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 24  | 20        | 0.32                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 25  | 20        | 0.35                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 26  | 12        | 0.23                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 27  | 13        | 0.23                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 28  | 18        | 0.20                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 29  | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 30  | 11        | 0.21                          |
| 2019 | 3   | 68001        | 6800116                    | 101     | 31  | 18        | 0.27                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 1   | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 2   | 18        | 0.26                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 3   | 20        | 0.29                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 4   | 13        | 0.29                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 5   | 12        | 0.23                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 6   | 16        | 0.21                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 7   | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 8   | 12        | 0.26                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 9   | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 10  | 19        | 0.27                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 11  | 18        | 0.30                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 12  | 18        | 0.29                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 13  | 18        | 0.29                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 14  | 13        | 0.23                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 15  | 12        | 0.27                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 16  | 11        | 0.21                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 17  | 18        | 0.21                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 18  | 12        | 0.21                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 19  | 13        | 0.20                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 20  | 12        | 0.28                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 21  | 18        | 0.33                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 22  | 18        | 0.29                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 23  | 12        | 0.23                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 24  | 20        | 0.27                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 25  | 20        | 0.36                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 26  | 12        | 0.20                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 27  | 13        | 0.26                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 28  | 18        | 0.23                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 29  | 18        | 0.27                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 30  | 11        | 0.24                          |
| 2019 | 3   | 68001        | 6800117                    | 101     | 31  | 18        | 0.36                          |
| 2019 | 3   | 68081        |                            | 101     | 1   | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 2   | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 3   | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 4   | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 5   | 20        | 0.14                          |
| 2019 | 3   | 68081        |                            | 101     | 6   | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 7   | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 9   | 21        | 0.14                          |
| 2019 | 3   | 68081        |                            | 101     | 10  | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 11  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 12  | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 13  | 21        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 14  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 15  | 19        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 16  | 20        | 0.14                          |
| 2019 | 3   | 68081        |                            | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 18  | 20        | 0.14                          |
| 2019 | 3   | 68081        |                            | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 68081        |                            | 101     | 20  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 21  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 22  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 23  | 20        | 0.12                          |
| 2019 | 3   | 68081        |                            | 101     | 24  | 20        | 0.14                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68081        |                            | 101     | 25  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 27  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 28  | 20        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 29  | 19        | 0.14                          |
| 2019 | 3   | 68081        |                            | 101     | 30  | 19        | 0.13                          |
| 2019 | 3   | 68081        |                            | 101     | 31  | 20        | 0.14                          |
| 2019 | 3   | 68276        |                            | 101     | 1   | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 2   | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 3   | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 4   | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 5   | 20        | 0.26                          |
| 2019 | 3   | 68276        |                            | 101     | 6   | 20        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 8   | 20        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 9   | 21        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 10  | 20        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 11  | 20        | 0.26                          |
| 2019 | 3   | 68276        |                            | 101     | 12  | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 13  | 21        | 0.25                          |
| 2019 | 3   | 68276        |                            | 101     | 14  | 20        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 15  | 19        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 16  | 20        | 0.25                          |
| 2019 | 3   | 68276        |                            | 101     | 17  | 19        | 0.25                          |
| 2019 | 3   | 68276        |                            | 101     | 18  | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 19  | 20        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 20  | 20        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 21  | 20        | 0.24                          |
| 2019 | 3   | 68276        |                            | 101     | 22  | 20        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 23  | 20        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 24  | 20        | 0.29                          |
| 2019 | 3   | 68276        |                            | 101     | 25  | 20        | 0.25                          |
| 2019 | 3   | 68276        |                            | 101     | 26  | 20        | 0.25                          |
| 2019 | 3   | 68276        |                            | 101     | 27  | 20        | 0.27                          |
| 2019 | 3   | 68276        |                            | 101     | 28  | 20        | 0.49                          |
| 2019 | 3   | 68276        |                            | 101     | 29  | 19        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 30  | 19        | 0.23                          |
| 2019 | 3   | 68276        |                            | 101     | 31  | 20        | 0.32                          |
| 2019 | 3   | 68307        |                            | 101     | 1   | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 3   | 20        | 0.21                          |
| 2019 | 3   | 68307        |                            | 101     | 4   | 20        | 0.21                          |
| 2019 | 3   | 68307        |                            | 101     | 5   | 20        | 0.18                          |
| 2019 | 3   | 68307        |                            | 101     | 6   | 20        | 0.17                          |
| 2019 | 3   | 68307        |                            | 101     | 7   | 20        | 0.16                          |
| 2019 | 3   | 68307        |                            | 101     | 8   | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 9   | 21        | 0.16                          |
| 2019 | 3   | 68307        |                            | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 68307        |                            | 101     | 11  | 20        | 0.21                          |
| 2019 | 3   | 68307        |                            | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 68307        |                            | 101     | 13  | 21        | 0.22                          |
| 2019 | 3   | 68307        |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 68307        |                            | 101     | 15  | 19        | 0.16                          |
| 2019 | 3   | 68307        |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 68307        |                            | 101     | 17  | 19        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 18  | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 68307        |                            | 101     | 20  | 20        | 0.20                          |
| 2019 | 3   | 68307        |                            | 101     | 21  | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 68307        |                            | 101     | 23  | 20        | 0.20                          |
| 2019 | 3   | 68307        |                            | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 68307        |                            | 101     | 25  | 20        | 0.20                          |
| 2019 | 3   | 68307        |                            | 101     | 26  | 20        | 0.18                          |
| 2019 | 3   | 68307        |                            | 101     | 27  | 20        | 0.19                          |
| 2019 | 3   | 68307        |                            | 101     | 28  | 20        | 0.17                          |
| 2019 | 3   | 68307        |                            | 101     | 29  | 19        | 0.18                          |
| 2019 | 3   | 68307        |                            | 101     | 30  | 19        | 0.16                          |
| 2019 | 3   | 68307        |                            | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 68547        |                            | 101     | 1   | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 68547        |                            | 101     | 3   | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 4   | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 5   | 20        | 0.20                          |
| 2019 | 3   | 68547        |                            | 101     | 6   | 20        | 0.18                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 68547        |                            | 101     | 7   | 20        | 0.24                          |
| 2019 | 3   | 68547        |                            | 101     | 8   | 20        | 0.21                          |
| 2019 | 3   | 68547        |                            | 101     | 9   | 21        | 0.21                          |
| 2019 | 3   | 68547        |                            | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 68547        |                            | 101     | 11  | 20        | 0.22                          |
| 2019 | 3   | 68547        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 13  | 21        | 0.18                          |
| 2019 | 3   | 68547        |                            | 101     | 14  | 20        | 0.20                          |
| 2019 | 3   | 68547        |                            | 101     | 15  | 19        | 0.18                          |
| 2019 | 3   | 68547        |                            | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 68547        |                            | 101     | 17  | 19        | 0.26                          |
| 2019 | 3   | 68547        |                            | 101     | 18  | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 19  | 20        | 0.21                          |
| 2019 | 3   | 68547        |                            | 101     | 20  | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 21  | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 22  | 20        | 0.22                          |
| 2019 | 3   | 68547        |                            | 101     | 23  | 20        | 0.22                          |
| 2019 | 3   | 68547        |                            | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 68547        |                            | 101     | 25  | 20        | 0.20                          |
| 2019 | 3   | 68547        |                            | 101     | 26  | 20        | 0.21                          |
| 2019 | 3   | 68547        |                            | 101     | 27  | 20        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 28  | 20        | 0.22                          |
| 2019 | 3   | 68547        |                            | 101     | 29  | 19        | 0.19                          |
| 2019 | 3   | 68547        |                            | 101     | 30  | 19        | 0.22                          |
| 2019 | 3   | 68547        |                            | 101     | 31  | 20        | 0.21                          |
| 2019 | 3   | 68679        |                            | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 2   | 20        | 0.11                          |
| 2019 | 3   | 68679        |                            | 101     | 3   | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 4   | 20        | 0.11                          |
| 2019 | 3   | 68679        |                            | 101     | 5   | 20        | 0.11                          |
| 2019 | 3   | 68679        |                            | 101     | 6   | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 7   | 20        | 0.08                          |
| 2019 | 3   | 68679        |                            | 101     | 8   | 20        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 9   | 21        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 10  | 20        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 11  | 20        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 12  | 20        | 0.13                          |
| 2019 | 3   | 68679        |                            | 101     | 13  | 21        | 0.12                          |
| 2019 | 3   | 68679        |                            | 101     | 14  | 20        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 15  | 19        | 0.09                          |
| 2019 | 3   | 68679        |                            | 101     | 16  | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 17  | 19        | 0.07                          |
| 2019 | 3   | 68679        |                            | 101     | 18  | 20        | 0.11                          |
| 2019 | 3   | 68679        |                            | 101     | 19  | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 68679        |                            | 101     | 21  | 20        | 0.13                          |
| 2019 | 3   | 68679        |                            | 101     | 22  | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 23  | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 24  | 20        | 0.17                          |
| 2019 | 3   | 68679        |                            | 101     | 25  | 20        | 0.12                          |
| 2019 | 3   | 68679        |                            | 101     | 26  | 20        | 0.13                          |
| 2019 | 3   | 68679        |                            | 101     | 27  | 20        | 0.10                          |
| 2019 | 3   | 68679        |                            | 101     | 28  | 20        | 0.12                          |
| 2019 | 3   | 68679        |                            | 101     | 29  | 19        | 0.12                          |
| 2019 | 3   | 68679        |                            | 101     | 30  | 19        | 0.11                          |
| 2019 | 3   | 68679        |                            | 101     | 31  | 20        | 0.13                          |
| 2019 | 3   | 70001        |                            | 101     | 1   | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 2   | 21        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 3   | 19        | 0.13                          |
| 2019 | 3   | 70001        |                            | 101     | 4   | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 5   | 20        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 6   | 13        | 0.13                          |
| 2019 | 3   | 70001        |                            | 101     | 7   | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 8   | 21        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 9   | 21        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 10  | 14        | 0.17                          |
| 2019 | 3   | 70001        |                            | 101     | 11  | 20        | 0.19                          |
| 2019 | 3   | 70001        |                            | 101     | 12  | 21        | 0.10                          |
| 2019 | 3   | 70001        |                            | 101     | 13  | 21        | 0.20                          |
| 2019 | 3   | 70001        |                            | 101     | 14  | 21        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 15  | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 16  | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 17  | 20        | 0.14                          |
| 2019 | 3   | 70001        |                            | 101     | 18  | 21        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 19  | 20        | 0.13                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 70001        |                            | 101     | 20  | 21        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 21  | 20        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 22  | 21        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 23  | 20        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 70001        |                            | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 26  | 19        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 27  | 20        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 70001        |                            | 101     | 29  | 21        | 0.12                          |
| 2019 | 3   | 70001        |                            | 101     | 30  | 21        | 0.15                          |
| 2019 | 3   | 70001        |                            | 101     | 31  | 19        | 0.12                          |
| 2019 | 3   | 73001        |                            | 101     | 1   | 19        | 0.15                          |
| 2019 | 3   | 73001        |                            | 101     | 2   | 19        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 3   | 18        | 0.19                          |
| 2019 | 3   | 73001        |                            | 101     | 4   | 19        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 5   | 20        | 3.29                          |
| 2019 | 3   | 73001        |                            | 101     | 6   | 20        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 7   | 20        | 0.18                          |
| 2019 | 3   | 73001        |                            | 101     | 8   | 19        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 9   | 19        | 0.18                          |
| 2019 | 3   | 73001        |                            | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 73001        |                            | 101     | 11  | 18        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 12  | 17        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 14  | 18        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 15  | 20        | 0.18                          |
| 2019 | 3   | 73001        |                            | 101     | 16  | 20        | 0.18                          |
| 2019 | 3   | 73001        |                            | 101     | 17  | 19        | 0.21                          |
| 2019 | 3   | 73001        |                            | 101     | 18  | 19        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 19  | 19        | 0.16                          |
| 2019 | 3   | 73001        |                            | 101     | 20  | 11        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 21  | 19        | 0.20                          |
| 2019 | 3   | 73001        |                            | 101     | 22  | 18        | 0.15                          |
| 2019 | 3   | 73001        |                            | 101     | 23  | 20        | 0.18                          |
| 2019 | 3   | 73001        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 73001        |                            | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 73001        |                            | 101     | 26  | 18        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 27  | 19        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 73001        |                            | 101     | 29  | 19        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 30  | 14        | 0.17                          |
| 2019 | 3   | 73001        |                            | 101     | 31  | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 1   | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 2   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 3   | 18        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 4   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 5   | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 7   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 8   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 10  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 11  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 12  | 17        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 13  | 16        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 14  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 15  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 16  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 17  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 18  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 19  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 20  | 11        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 21  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 22  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 23  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 24  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 26  | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 27  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 30  | 14        | 0.14                          |
| 2019 | 3   | 73001        | 7300101                    | 101     | 31  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 1   | 19        | 0.14                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73001        | 7300102                    | 101     | 2   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 3   | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 4   | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 5   | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 6   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 7   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 8   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 10  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 11  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 12  | 17        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 14  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 15  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 16  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 17  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 18  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 19  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 20  | 11        | 0.18                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 21  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 22  | 18        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 25  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 26  | 18        | 0.14                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 27  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 30  | 14        | 0.17                          |
| 2019 | 3   | 73001        | 7300102                    | 101     | 31  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 1   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 2   | 19        | 0.07                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 3   | 18        | 0.14                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 4   | 19        | 0.04                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 5   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 6   | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 7   | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 8   | 19        | 0.06                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 9   | 19        | 0.06                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 10  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 11  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 12  | 17        | 0.06                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 13  | 16        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 14  | 18        | 0.07                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 15  | 20        | 0.08                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 17  | 19        | 0.07                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 18  | 19        | 0.07                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 19  | 19        | 0.07                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 20  | 11        | 0.10                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 21  | 19        | 0.04                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 22  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 23  | 20        | 0.16                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 25  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 26  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 27  | 19        | 0.04                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 29  | 19        | 0.05                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 30  | 14        | 0.09                          |
| 2019 | 3   | 73001        | 7300103                    | 101     | 31  | 20        | 0.07                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 1   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 2   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 3   | 18        | 0.15                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 4   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 5   | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 6   | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 8   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 9   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 10  | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 11  | 18        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 12  | 17        | 0.13                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 13  | 16        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 14  | 18        | 0.11                          |



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|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73001        | 7300104                    | 101     | 15  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 16  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 17  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 18  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 19  | 19        | 0.16                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 20  | 11        | 0.15                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 21  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 22  | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 23  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 24  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 25  | 19        | 0.16                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 26  | 18        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 27  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 28  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 29  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 30  | 14        | 0.11                          |
| 2019 | 3   | 73001        | 7300104                    | 101     | 31  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 1   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 2   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 3   | 18        | 0.15                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 4   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 5   | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 6   | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 8   | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 10  | 20        | 0.19                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 11  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 12  | 17        | 0.17                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 13  | 16        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 14  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 15  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 17  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 18  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 19  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 20  | 11        | 0.19                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 21  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 22  | 18        | 0.10                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 23  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 24  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 25  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 26  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 27  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 29  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 30  | 14        | 0.10                          |
| 2019 | 3   | 73001        | 7300105                    | 101     | 31  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 1   | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 2   | 19        | 0.16                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 3   | 18        | 0.19                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 4   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 5   | 20        | 0.18                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 6   | 20        | 0.16                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 7   | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 8   | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 9   | 19        | 0.16                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 10  | 20        | 0.38                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 11  | 18        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 12  | 17        | 0.13                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 14  | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 17  | 19        | 0.18                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 18  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 19  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 20  | 11        | 0.18                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 21  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 22  | 18        | 0.10                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 24  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 25  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 27  | 19        | 0.17                          |





INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73001        | 7300106                    | 101     | 28  | 20        | 0.19                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 29  | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 30  | 14        | 0.15                          |
| 2019 | 3   | 73001        | 7300106                    | 101     | 31  | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 1   | 19        | 0.23                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 2   | 19        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 3   | 18        | 0.24                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 4   | 19        | 0.18                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 5   | 20        | 0.18                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 6   | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 7   | 20        | 0.21                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 8   | 19        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 9   | 19        | 0.18                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 10  | 20        | 0.18                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 11  | 18        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 12  | 17        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 13  | 16        | 0.23                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 14  | 18        | 0.24                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 15  | 20        | 0.22                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 16  | 20        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 17  | 19        | 0.21                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 18  | 19        | 0.18                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 19  | 19        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 20  | 11        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 21  | 19        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 22  | 18        | 0.21                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 23  | 20        | 0.22                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 25  | 19        | 0.22                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 27  | 19        | 0.22                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 28  | 20        | 0.22                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 29  | 19        | 0.21                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 30  | 14        | 0.17                          |
| 2019 | 3   | 73001        | 7300107                    | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 1   | 19        | 0.21                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 2   | 19        | 0.24                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 3   | 18        | 0.26                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 4   | 19        | 0.22                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 5   | 20        | 0.25                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 6   | 20        | 0.24                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 7   | 20        | 0.30                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 8   | 19        | 0.25                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 9   | 19        | 0.25                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 10  | 20        | 0.31                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 11  | 18        | 0.21                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 12  | 17        | 0.29                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 13  | 16        | 0.28                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 15  | 20        | 0.27                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 16  | 20        | 0.23                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 17  | 19        | 0.28                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 18  | 19        | 0.23                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 19  | 19        | 0.23                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 20  | 11        | 0.33                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 21  | 19        | 0.28                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 22  | 18        | 0.25                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 23  | 20        | 0.29                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 24  | 20        | 0.28                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 25  | 19        | 0.27                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 26  | 18        | 0.27                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 27  | 19        | 0.22                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 28  | 20        | 0.25                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 29  | 19        | 0.26                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 30  | 14        | 0.23                          |
| 2019 | 3   | 73001        | 7300108                    | 101     | 31  | 20        | 0.21                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 1   | 19        | 0.30                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 2   | 19        | 0.37                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 3   | 18        | 0.34                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 4   | 19        | 0.33                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 5   | 20        | 0.37                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 6   | 20        | 0.34                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 7   | 20        | 0.41                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 8   | 19        | 0.40                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 9   | 19        | 0.39                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73001        | 7300109                    | 101     | 10  | 20        | 0.45                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 11  | 18        | 0.38                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 12  | 17        | 0.36                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 13  | 16        | 0.33                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 14  | 18        | 0.34                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 15  | 20        | 0.36                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 16  | 20        | 0.42                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 17  | 19        | 0.46                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 18  | 19        | 0.32                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 19  | 19        | 0.35                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 20  | 11        | 0.38                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 21  | 19        | 0.38                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 22  | 18        | 0.34                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 23  | 20        | 0.37                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 24  | 20        | 0.42                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 25  | 19        | 0.42                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 26  | 18        | 0.35                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 27  | 19        | 0.39                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 28  | 20        | 0.37                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 29  | 19        | 0.38                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 30  | 14        | 0.35                          |
| 2019 | 3   | 73001        | 7300109                    | 101     | 31  | 20        | 0.37                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 1   | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 2   | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 3   | 18        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 4   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 5   | 20        | 15.29                         |
| 2019 | 3   | 73001        | 7300110                    | 101     | 6   | 20        | 0.08                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 7   | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 8   | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 9   | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 10  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 11  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 12  | 17        | 0.12                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 13  | 16        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 14  | 18        | 0.12                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 15  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 16  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 17  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 18  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 19  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 20  | 11        | 0.13                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 21  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 22  | 18        | 0.08                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 23  | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 24  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 25  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 26  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 27  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 28  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 29  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 30  | 14        | 0.11                          |
| 2019 | 3   | 73001        | 7300110                    | 101     | 31  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 1   | 19        | 0.08                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 2   | 19        | 0.07                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 3   | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 4   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 5   | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 6   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 7   | 20        | 0.07                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 8   | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 9   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 10  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 11  | 18        | 0.08                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 12  | 17        | 0.10                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 13  | 16        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 14  | 18        | 0.09                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 15  | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 16  | 20        | 0.07                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 17  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 18  | 19        | 0.06                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 19  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 20  | 11        | 0.06                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 21  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 22  | 18        | 0.07                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73001        | 7300111                    | 101     | 23  | 20        | 0.18                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 25  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 26  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 27  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 30  | 14        | 0.12                          |
| 2019 | 3   | 73001        | 7300111                    | 101     | 31  | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 1   | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 2   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 3   | 18        | 0.12                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 4   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 5   | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 6   | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 7   | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 8   | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 10  | 20        | 0.20                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 11  | 18        | 0.13                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 12  | 17        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 13  | 16        | 0.20                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 14  | 18        | 0.10                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 15  | 20        | 0.19                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 17  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 18  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 19  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 20  | 11        | 0.17                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 21  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 22  | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 23  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 25  | 19        | 0.09                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 26  | 18        | 0.12                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 27  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 30  | 14        | 0.18                          |
| 2019 | 3   | 73001        | 7300112                    | 101     | 31  | 20        | 0.16                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 1   | 19        | 0.11                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 2   | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 3   | 18        | 0.15                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 4   | 19        | 0.14                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 6   | 20        | 0.12                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 7   | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 8   | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 9   | 19        | 0.16                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 10  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 11  | 18        | 0.17                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 12  | 17        | 0.20                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 13  | 16        | 0.15                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 14  | 18        | 0.20                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 15  | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 16  | 20        | 0.11                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 17  | 19        | 0.13                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 18  | 19        | 0.10                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 19  | 19        | 0.06                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 20  | 11        | 0.07                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 21  | 19        | 0.05                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 22  | 18        | 0.11                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 23  | 20        | 0.09                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 24  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 25  | 19        | 0.08                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 27  | 19        | 0.12                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 28  | 20        | 0.10                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 30  | 14        | 0.13                          |
| 2019 | 3   | 73001        | 7300113                    | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 73268        |                            | 101     | 1   | 21        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 2   | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 3   | 13        | 0.16                          |
| 2019 | 3   | 73268        |                            | 101     | 4   | 21        | 0.14                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 73268        |                            | 101     | 5   | 20        | 0.13                          |
| 2019 | 3   | 73268        |                            | 101     | 6   | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 7   | 21        | 0.13                          |
| 2019 | 3   | 73268        |                            | 101     | 8   | 20        | 0.16                          |
| 2019 | 3   | 73268        |                            | 101     | 9   | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 10  | 13        | 0.16                          |
| 2019 | 3   | 73268        |                            | 101     | 11  | 20        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 12  | 20        | 0.13                          |
| 2019 | 3   | 73268        |                            | 101     | 13  | 21        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 14  | 13        | 0.17                          |
| 2019 | 3   | 73268        |                            | 101     | 15  | 20        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 16  | 21        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 17  | 13        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 18  | 21        | 0.13                          |
| 2019 | 3   | 73268        |                            | 101     | 19  | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 73268        |                            | 101     | 21  | 20        | 5.23                          |
| 2019 | 3   | 73268        |                            | 101     | 22  | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 23  | 21        | 0.17                          |
| 2019 | 3   | 73268        |                            | 101     | 24  | 20        | 0.17                          |
| 2019 | 3   | 73268        |                            | 101     | 25  | 12        | 0.17                          |
| 2019 | 3   | 73268        |                            | 101     | 26  | 20        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 27  | 21        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 28  | 20        | 0.14                          |
| 2019 | 3   | 73268        |                            | 101     | 29  | 19        | 0.15                          |
| 2019 | 3   | 73268        |                            | 101     | 30  | 21        | 0.16                          |
| 2019 | 3   | 73268        |                            | 101     | 31  | 12        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 1   | 21        | 0.10                          |
| 2019 | 3   | 73449        |                            | 101     | 2   | 21        | 0.12                          |
| 2019 | 3   | 73449        |                            | 101     | 3   | 13        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 4   | 21        | 0.08                          |
| 2019 | 3   | 73449        |                            | 101     | 5   | 20        | 0.08                          |
| 2019 | 3   | 73449        |                            | 101     | 6   | 21        | 0.07                          |
| 2019 | 3   | 73449        |                            | 101     | 7   | 21        | 0.09                          |
| 2019 | 3   | 73449        |                            | 101     | 8   | 20        | 0.12                          |
| 2019 | 3   | 73449        |                            | 101     | 9   | 21        | 0.12                          |
| 2019 | 3   | 73449        |                            | 101     | 10  | 13        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 11  | 20        | 0.11                          |
| 2019 | 3   | 73449        |                            | 101     | 12  | 20        | 0.10                          |
| 2019 | 3   | 73449        |                            | 101     | 13  | 21        | 0.11                          |
| 2019 | 3   | 73449        |                            | 101     | 14  | 13        | 0.10                          |
| 2019 | 3   | 73449        |                            | 101     | 15  | 20        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 16  | 21        | 0.11                          |
| 2019 | 3   | 73449        |                            | 101     | 17  | 13        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 18  | 21        | 0.13                          |
| 2019 | 3   | 73449        |                            | 101     | 19  | 21        | 0.10                          |
| 2019 | 3   | 73449        |                            | 101     | 20  | 20        | 0.14                          |
| 2019 | 3   | 73449        |                            | 101     | 21  | 20        | 0.14                          |
| 2019 | 3   | 73449        |                            | 101     | 22  | 21        | 0.11                          |
| 2019 | 3   | 73449        |                            | 101     | 23  | 21        | 0.16                          |
| 2019 | 3   | 73449        |                            | 101     | 24  | 20        | 0.16                          |
| 2019 | 3   | 73449        |                            | 101     | 25  | 12        | 0.14                          |
| 2019 | 3   | 73449        |                            | 101     | 26  | 20        | 0.11                          |
| 2019 | 3   | 73449        |                            | 101     | 27  | 21        | 0.10                          |
| 2019 | 3   | 73449        |                            | 101     | 28  | 20        | 3.81                          |
| 2019 | 3   | 73449        |                            | 101     | 29  | 19        | 10.34                         |
| 2019 | 3   | 73449        |                            | 101     | 30  | 21        | 20.65                         |
| 2019 | 3   | 73449        |                            | 101     | 31  | 12        | 14.93                         |
| 2019 | 3   | 76001        |                            | 101     | 1   | 18        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 2   | 13        | 0.20                          |
| 2019 | 3   | 76001        |                            | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 76001        |                            | 101     | 4   | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 5   | 18        | 0.20                          |
| 2019 | 3   | 76001        |                            | 101     | 6   | 18        | 0.20                          |
| 2019 | 3   | 76001        |                            | 101     | 7   | 18        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 8   | 13        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 9   | 13        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 10  | 19        | 0.26                          |
| 2019 | 3   | 76001        |                            | 101     | 11  | 13        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 12  | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 13  | 16        | 0.19                          |
| 2019 | 3   | 76001        |                            | 101     | 14  | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 15  | 13        | 0.20                          |
| 2019 | 3   | 76001        |                            | 101     | 16  | 12        | 0.20                          |
| 2019 | 3   | 76001        |                            | 101     | 17  | 18        | 0.25                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        |                            | 101     | 18  | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 19  | 13        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 20  | 13        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 21  | 17        | 0.39                          |
| 2019 | 3   | 76001        |                            | 101     | 22  | 18        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 23  | 15        | 0.23                          |
| 2019 | 3   | 76001        |                            | 101     | 24  | 20        | 0.28                          |
| 2019 | 3   | 76001        |                            | 101     | 25  | 19        | 0.29                          |
| 2019 | 3   | 76001        |                            | 101     | 26  | 18        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 27  | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 28  | 18        | 0.21                          |
| 2019 | 3   | 76001        |                            | 101     | 29  | 18        | 0.22                          |
| 2019 | 3   | 76001        |                            | 101     | 30  | 18        | 0.23                          |
| 2019 | 3   | 76001        |                            | 101     | 31  | 17        | 0.34                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 1   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 2   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 3   | 19        | 0.28                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 4   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 5   | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 6   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 7   | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 8   | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 9   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 10  | 19        | 0.22                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 11  | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 12  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 14  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 15  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 16  | 12        | 0.19                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 17  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 18  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 19  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 20  | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 21  | 17        | 0.23                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 22  | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 23  | 15        | 0.21                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 24  | 20        | 0.27                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 25  | 19        | 0.35                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 26  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 27  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 28  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 29  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 30  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600101                    | 101     | 31  | 17        | 0.28                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 1   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 2   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 3   | 19        | 0.18                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 4   | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 5   | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 6   | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 7   | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 8   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 9   | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 10  | 19        | 0.18                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 11  | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 14  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 15  | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 16  | 12        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 17  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 18  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 19  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 20  | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 21  | 17        | 0.21                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 22  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 23  | 15        | 0.18                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 27  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 28  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 29  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600102                    | 101     | 30  | 18        | 0.18                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600102                    | 101     | 31  | 17        | 0.20                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 1   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 2   | 13        | 0.14                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 4   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 5   | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 6   | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 7   | 18        | 0.13                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 8   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 9   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 10  | 19        | 0.33                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 11  | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 12  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 14  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 15  | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 16  | 12        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 17  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 18  | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 19  | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 20  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 21  | 17        | 0.23                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 22  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 23  | 15        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 25  | 19        | 0.28                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 27  | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 28  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 29  | 18        | 0.13                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 30  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600103                    | 101     | 31  | 17        | 0.25                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 1   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 2   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 3   | 19        | 0.20                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 4   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 5   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 6   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 7   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 8   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 9   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 10  | 19        | 0.19                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 11  | 13        | 0.13                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 13  | 16        | 0.12                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 14  | 18        | 0.12                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 15  | 13        | 0.14                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 16  | 12        | 0.12                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 17  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 18  | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 19  | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 20  | 13        | 0.12                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 21  | 17        | 0.17                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 22  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 23  | 15        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 24  | 20        | 0.24                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 25  | 19        | 0.21                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 26  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 27  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 28  | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 29  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 30  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600104                    | 101     | 31  | 17        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 1   | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 2   | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 3   | 19        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 4   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 5   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 6   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 8   | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 9   | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 10  | 19        | 0.19                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 11  | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 12  | 18        | 0.17                          |



INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600105                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 14  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 15  | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 16  | 12        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 17  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 18  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 19  | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 20  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 21  | 17        | 0.23                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 22  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 23  | 15        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 25  | 19        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 27  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 28  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 29  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 30  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600105                    | 101     | 31  | 17        | 0.21                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 1   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 2   | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 4   | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 5   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 6   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 7   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 8   | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 9   | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 10  | 19        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 11  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 12  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 13  | 16        | 0.20                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 14  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 15  | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 16  | 12        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 17  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 18  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 19  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 20  | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 21  | 17        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 22  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 23  | 15        | 0.23                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 25  | 19        | 0.30                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 26  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 27  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 28  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 29  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 30  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600106                    | 101     | 31  | 17        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 1   | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 2   | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 3   | 19        | 0.37                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 4   | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 5   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 6   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 7   | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 8   | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 9   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 10  | 19        | 0.32                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 11  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 12  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 13  | 16        | 0.28                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 15  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 16  | 12        | 0.23                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 17  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 18  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 19  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 20  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 21  | 17        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 22  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 23  | 15        | 0.30                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 24  | 20        | 0.37                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 25  | 19        | 0.37                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600107                    | 101     | 26  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 27  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 28  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 29  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 30  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600107                    | 101     | 31  | 17        | 0.48                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 1   | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 2   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 3   | 19        | 0.33                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 4   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 5   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 6   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 7   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 8   | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 9   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 10  | 19        | 0.40                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 11  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 12  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 14  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 15  | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 16  | 12        | 0.25                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 17  | 18        | 0.36                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 18  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 19  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 20  | 13        | 0.29                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 21  | 17        | 0.34                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 22  | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 23  | 15        | 0.33                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 24  | 20        | 0.43                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 25  | 19        | 0.41                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 26  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 27  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 28  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 29  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 30  | 18        | 0.34                          |
| 2019 | 3   | 76001        | 7600108                    | 101     | 31  | 17        | 0.41                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 2   | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 3   | 19        | 0.19                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 4   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 5   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 6   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 9   | 13        | 0.15                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 10  | 19        | 0.21                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 11  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 12  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 14  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 15  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 16  | 12        | 0.14                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 17  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 18  | 18        | 0.14                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 19  | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 20  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 21  | 17        | 0.46                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 22  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 23  | 15        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 24  | 20        | 0.23                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 25  | 19        | 0.24                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 26  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 27  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 28  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 29  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 30  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600109                    | 101     | 31  | 17        | 0.29                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 1   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 2   | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 4   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 5   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 6   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 7   | 18        | 0.19                          |





INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600110                    | 101     | 8   | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 9   | 13        | 0.22                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 10  | 19        | 0.22                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 11  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 12  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 13  | 16        | 0.16                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 14  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 15  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 16  | 12        | 0.18                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 17  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 18  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 19  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 20  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 21  | 17        | 0.45                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 22  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 23  | 15        | 0.21                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 25  | 19        | 0.26                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 27  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 28  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 29  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 30  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600110                    | 101     | 31  | 17        | 0.28                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 1   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 2   | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 3   | 19        | 0.24                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 4   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 5   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 6   | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 7   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 8   | 13        | 0.22                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 9   | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 10  | 19        | 0.26                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 11  | 13        | 0.21                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 12  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 13  | 16        | 0.18                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 14  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 15  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 16  | 12        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 17  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 18  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 19  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 20  | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 21  | 17        | 0.38                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 22  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 23  | 15        | 0.21                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 24  | 20        | 0.32                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 25  | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 26  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 27  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 28  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 29  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 30  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600111                    | 101     | 31  | 17        | 0.38                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 1   | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 2   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 4   | 18        | 0.12                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 5   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 6   | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 7   | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 8   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 9   | 13        | 0.16                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 11  | 13        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 12  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 13  | 16        | 0.15                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 14  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 15  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 16  | 12        | 0.16                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 17  | 18        | 0.13                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 18  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 19  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 20  | 13        | 0.16                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600112                    | 101     | 21  | 17        | 0.19                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 22  | 18        | 0.17                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 23  | 15        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 25  | 19        | 0.29                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 26  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 27  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 28  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 29  | 18        | 0.15                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 30  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600112                    | 101     | 31  | 17        | 2.13                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 1   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 2   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 3   | 19        | 0.28                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 4   | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 5   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 6   | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 7   | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 8   | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 9   | 13        | 0.29                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 10  | 19        | 0.29                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 11  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 12  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 13  | 16        | 0.26                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 15  | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 16  | 12        | 0.26                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 17  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 18  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 19  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 20  | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 21  | 17        | 0.38                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 22  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 23  | 15        | 0.25                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 24  | 20        | 0.32                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 25  | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 26  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 27  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 28  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 29  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 30  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600113                    | 101     | 31  | 17        | 0.65                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 1   | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 2   | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 3   | 19        | 0.27                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 4   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 5   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 6   | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 7   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 8   | 13        | 0.30                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 9   | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 10  | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 11  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 12  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 13  | 16        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 14  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 15  | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 16  | 12        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 17  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 18  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 19  | 13        | 0.32                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 20  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 21  | 17        | 0.35                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 22  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 23  | 15        | 0.28                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 24  | 20        | 0.33                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 25  | 19        | 0.34                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 26  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 27  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 28  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 29  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 30  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600114                    | 101     | 31  | 17        | 0.37                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 1   | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 2   | 13        | 0.24                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600115                    | 101     | 3   | 19        | 0.39                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 4   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 5   | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 6   | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 7   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 8   | 13        | 0.36                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 9   | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 10  | 19        | 0.33                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 11  | 13        | 0.30                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 12  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 13  | 16        | 0.27                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 14  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 15  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 16  | 12        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 17  | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 18  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 19  | 13        | 0.35                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 20  | 13        | 0.32                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 21  | 17        | 0.36                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 22  | 18        | 0.35                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 23  | 15        | 0.27                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 24  | 20        | 0.33                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 25  | 19        | 0.41                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 26  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 27  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 28  | 18        | 0.33                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 29  | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 30  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600115                    | 101     | 31  | 17        | 0.43                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 1   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 2   | 13        | 0.32                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 3   | 19        | 0.32                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 4   | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 5   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 6   | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 7   | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 8   | 13        | 0.35                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 9   | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 10  | 19        | 0.34                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 11  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 12  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 13  | 16        | 0.24                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 14  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 15  | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 16  | 12        | 0.25                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 17  | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 18  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 19  | 13        | 0.33                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 20  | 13        | 0.32                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 21  | 17        | 0.58                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 22  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 23  | 15        | 0.34                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 24  | 20        | 0.41                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 25  | 19        | 0.51                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 26  | 18        | 0.45                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 27  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 28  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 29  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 30  | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600116                    | 101     | 31  | 17        | 0.38                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 1   | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 2   | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 4   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 5   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 6   | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 7   | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 8   | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 9   | 13        | 0.22                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 10  | 19        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 11  | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 12  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 13  | 16        | 0.21                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 14  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 15  | 13        | 0.27                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600117                    | 101     | 16  | 12        | 0.22                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 17  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 18  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 19  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 20  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 21  | 17        | 0.46                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 22  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 23  | 15        | 0.25                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 25  | 19        | 0.26                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 26  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 27  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 28  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 29  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 30  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600117                    | 101     | 31  | 17        | 0.28                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 1   | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 2   | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 3   | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 4   | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 5   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 6   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 7   | 18        | 0.37                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 8   | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 9   | 13        | 0.31                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 10  | 19        | 0.34                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 11  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 12  | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 13  | 16        | 0.26                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 14  | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 15  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 16  | 12        | 0.27                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 17  | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 18  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 19  | 13        | 0.34                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 20  | 13        | 0.36                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 21  | 17        | 1.44                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 22  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 23  | 15        | 0.33                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 24  | 20        | 0.36                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 25  | 19        | 0.34                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 26  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 27  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 28  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 29  | 18        | 0.33                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 30  | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600118                    | 101     | 31  | 17        | 0.33                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 1   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 2   | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 4   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 5   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 6   | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 7   | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 9   | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 10  | 19        | 0.22                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 11  | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 12  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 13  | 16        | 0.15                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 14  | 18        | 0.16                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 15  | 13        | 0.17                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 16  | 12        | 0.17                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 17  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 18  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 19  | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 20  | 13        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 21  | 17        | 0.70                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 22  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 23  | 15        | 0.20                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 25  | 19        | 0.29                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 26  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 27  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 28  | 18        | 0.17                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600119                    | 101     | 29  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 30  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600119                    | 101     | 31  | 17        | 0.33                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 1   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 2   | 13        | 0.30                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 3   | 19        | 0.25                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 4   | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 5   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 6   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 7   | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 8   | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 9   | 13        | 0.24                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 10  | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 11  | 13        | 0.27                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 12  | 18        | 0.25                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 13  | 16        | 0.24                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 14  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 15  | 13        | 0.30                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 16  | 12        | 0.23                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 17  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 18  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 19  | 13        | 0.32                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 20  | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 21  | 17        | 0.49                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 22  | 18        | 0.28                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 23  | 15        | 0.27                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 24  | 20        | 0.27                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 25  | 19        | 0.31                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 26  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 27  | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 28  | 18        | 0.29                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 29  | 18        | 0.26                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 30  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600120                    | 101     | 31  | 17        | 0.32                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 1   | 18        | 0.24                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 2   | 13        | 0.26                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 3   | 19        | 0.36                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 4   | 18        | 0.34                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 5   | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 6   | 18        | 0.31                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 7   | 18        | 0.27                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 8   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 9   | 13        | 0.35                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 10  | 19        | 0.34                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 11  | 13        | 0.28                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 12  | 18        | 0.32                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 13  | 16        | 0.25                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 14  | 18        | 0.39                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 15  | 13        | 0.33                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 16  | 12        | 0.33                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 17  | 18        | 0.33                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 18  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 19  | 13        | 0.35                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 20  | 13        | 0.34                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 21  | 17        | 0.39                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 22  | 18        | 0.36                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 23  | 15        | 0.37                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 24  | 20        | 0.35                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 25  | 19        | 0.33                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 26  | 18        | 0.37                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 27  | 18        | 0.35                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 28  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 29  | 18        | 0.30                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 30  | 18        | 0.39                          |
| 2019 | 3   | 76001        | 7600121                    | 101     | 31  | 17        | 0.58                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 1   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 2   | 13        | 0.25                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 3   | 19        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 4   | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 5   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 6   | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 7   | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 8   | 13        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 9   | 13        | 0.19                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 10  | 19        | 0.24                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76001        | 7600122                    | 101     | 11  | 13        | 0.22                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 12  | 18        | 0.21                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 13  | 16        | 0.18                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 14  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 15  | 13        | 0.21                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 16  | 12        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 17  | 18        | 0.34                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 18  | 18        | 0.22                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 19  | 13        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 20  | 13        | 0.21                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 21  | 17        | 0.40                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 22  | 18        | 0.23                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 23  | 15        | 0.22                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 24  | 20        | 0.22                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 25  | 19        | 0.25                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 26  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 27  | 18        | 0.19                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 28  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 29  | 18        | 0.20                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 30  | 18        | 0.18                          |
| 2019 | 3   | 76001        | 7600122                    | 101     | 31  | 17        | 0.25                          |
| 2019 | 3   | 76109        |                            | 101     | 1   | 21        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 3   | 19        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 4   | 21        | 0.15                          |
| 2019 | 3   | 76109        |                            | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 6   | 21        | 0.19                          |
| 2019 | 3   | 76109        |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 76109        |                            | 101     | 8   | 13        | 0.15                          |
| 2019 | 3   | 76109        |                            | 101     | 9   | 20        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 76109        |                            | 101     | 11  | 21        | 0.19                          |
| 2019 | 3   | 76109        |                            | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 13  | 21        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 14  | 21        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 15  | 21        | 0.43                          |
| 2019 | 3   | 76109        |                            | 101     | 16  | 20        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 17  | 19        | 0.18                          |
| 2019 | 3   | 76109        |                            | 101     | 18  | 20        | 0.23                          |
| 2019 | 3   | 76109        |                            | 101     | 19  | 20        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 20  | 21        | 0.15                          |
| 2019 | 3   | 76109        |                            | 101     | 21  | 20        | 0.15                          |
| 2019 | 3   | 76109        |                            | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 76109        |                            | 101     | 23  | 21        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 76109        |                            | 101     | 25  | 19        | 0.19                          |
| 2019 | 3   | 76109        |                            | 101     | 26  | 21        | 0.18                          |
| 2019 | 3   | 76109        |                            | 101     | 27  | 21        | 0.18                          |
| 2019 | 3   | 76109        |                            | 101     | 28  | 21        | 0.18                          |
| 2019 | 3   | 76109        |                            | 101     | 29  | 20        | 0.16                          |
| 2019 | 3   | 76109        |                            | 101     | 30  | 21        | 0.17                          |
| 2019 | 3   | 76109        |                            | 101     | 31  | 20        | 0.19                          |
| 2019 | 3   | 76111        |                            | 101     | 1   | 21        | 0.25                          |
| 2019 | 3   | 76111        |                            | 101     | 2   | 21        | 0.24                          |
| 2019 | 3   | 76111        |                            | 101     | 3   | 19        | 0.29                          |
| 2019 | 3   | 76111        |                            | 101     | 4   | 21        | 0.27                          |
| 2019 | 3   | 76111        |                            | 101     | 5   | 21        | 0.21                          |
| 2019 | 3   | 76111        |                            | 101     | 6   | 21        | 0.22                          |
| 2019 | 3   | 76111        |                            | 101     | 7   | 20        | 0.27                          |
| 2019 | 3   | 76111        |                            | 101     | 8   | 13        | 0.27                          |
| 2019 | 3   | 76111        |                            | 101     | 9   | 20        | 0.24                          |
| 2019 | 3   | 76111        |                            | 101     | 10  | 20        | 0.27                          |
| 2019 | 3   | 76111        |                            | 101     | 11  | 21        | 0.20                          |
| 2019 | 3   | 76111        |                            | 101     | 12  | 20        | 0.29                          |
| 2019 | 3   | 76111        |                            | 101     | 13  | 21        | 0.22                          |
| 2019 | 3   | 76111        |                            | 101     | 14  | 21        | 0.30                          |
| 2019 | 3   | 76111        |                            | 101     | 15  | 21        | 0.28                          |
| 2019 | 3   | 76111        |                            | 101     | 16  | 20        | 0.31                          |
| 2019 | 3   | 76111        |                            | 101     | 17  | 19        | 0.33                          |
| 2019 | 3   | 76111        |                            | 101     | 18  | 20        | 0.35                          |
| 2019 | 3   | 76111        |                            | 101     | 19  | 20        | 0.31                          |
| 2019 | 3   | 76111        |                            | 101     | 20  | 21        | 0.35                          |
| 2019 | 3   | 76111        |                            | 101     | 21  | 20        | 0.29                          |
| 2019 | 3   | 76111        |                            | 101     | 22  | 20        | 0.32                          |
| 2019 | 3   | 76111        |                            | 101     | 23  | 21        | 0.24                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

## F2\_4\_PORC\_COMUNI\_NOEXI\_4G\_CAP - MARZO DE 2019

| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76111        |                            | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 76111        |                            | 101     | 25  | 19        | 0.35                          |
| 2019 | 3   | 76111        |                            | 101     | 26  | 21        | 0.24                          |
| 2019 | 3   | 76111        |                            | 101     | 27  | 21        | 0.67                          |
| 2019 | 3   | 76111        |                            | 101     | 28  | 21        | 0.25                          |
| 2019 | 3   | 76111        |                            | 101     | 29  | 20        | 0.23                          |
| 2019 | 3   | 76111        |                            | 101     | 30  | 21        | 0.26                          |
| 2019 | 3   | 76111        |                            | 101     | 31  | 20        | 0.29                          |
| 2019 | 3   | 76130        |                            | 101     | 1   | 21        | 0.37                          |
| 2019 | 3   | 76130        |                            | 101     | 2   | 21        | 0.31                          |
| 2019 | 3   | 76130        |                            | 101     | 3   | 19        | 0.35                          |
| 2019 | 3   | 76130        |                            | 101     | 4   | 21        | 0.34                          |
| 2019 | 3   | 76130        |                            | 101     | 5   | 21        | 0.36                          |
| 2019 | 3   | 76130        |                            | 101     | 6   | 21        | 0.30                          |
| 2019 | 3   | 76130        |                            | 101     | 7   | 20        | 0.30                          |
| 2019 | 3   | 76130        |                            | 101     | 8   | 13        | 0.28                          |
| 2019 | 3   | 76130        |                            | 101     | 9   | 20        | 0.39                          |
| 2019 | 3   | 76130        |                            | 101     | 10  | 20        | 0.31                          |
| 2019 | 3   | 76130        |                            | 101     | 11  | 21        | 0.30                          |
| 2019 | 3   | 76130        |                            | 101     | 12  | 20        | 0.32                          |
| 2019 | 3   | 76130        |                            | 101     | 13  | 21        | 0.30                          |
| 2019 | 3   | 76130        |                            | 101     | 14  | 21        | 0.46                          |
| 2019 | 3   | 76130        |                            | 101     | 15  | 21        | 0.29                          |
| 2019 | 3   | 76130        |                            | 101     | 16  | 20        | 0.35                          |
| 2019 | 3   | 76130        |                            | 101     | 17  | 19        | 0.36                          |
| 2019 | 3   | 76130        |                            | 101     | 18  | 20        | 0.38                          |
| 2019 | 3   | 76130        |                            | 101     | 19  | 20        | 0.34                          |
| 2019 | 3   | 76130        |                            | 101     | 20  | 21        | 0.36                          |
| 2019 | 3   | 76130        |                            | 101     | 21  | 20        | 0.31                          |
| 2019 | 3   | 76130        |                            | 101     | 22  | 20        | 0.38                          |
| 2019 | 3   | 76130        |                            | 101     | 23  | 21        | 0.30                          |
| 2019 | 3   | 76130        |                            | 101     | 24  | 20        | 0.35                          |
| 2019 | 3   | 76130        |                            | 101     | 25  | 19        | 0.40                          |
| 2019 | 3   | 76130        |                            | 101     | 26  | 21        | 0.37                          |
| 2019 | 3   | 76130        |                            | 101     | 27  | 21        | 0.37                          |
| 2019 | 3   | 76130        |                            | 101     | 28  | 21        | 0.40                          |
| 2019 | 3   | 76130        |                            | 101     | 29  | 20        | 0.32                          |
| 2019 | 3   | 76130        |                            | 101     | 30  | 21        | 0.32                          |
| 2019 | 3   | 76130        |                            | 101     | 31  | 20        | 0.32                          |
| 2019 | 3   | 76147        |                            | 101     | 1   | 21        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 2   | 21        | 0.13                          |
| 2019 | 3   | 76147        |                            | 101     | 3   | 19        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 4   | 21        | 0.11                          |
| 2019 | 3   | 76147        |                            | 101     | 5   | 21        | 0.13                          |
| 2019 | 3   | 76147        |                            | 101     | 6   | 21        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 7   | 20        | 0.11                          |
| 2019 | 3   | 76147        |                            | 101     | 8   | 13        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 9   | 20        | 0.11                          |
| 2019 | 3   | 76147        |                            | 101     | 10  | 20        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 11  | 21        | 0.12                          |
| 2019 | 3   | 76147        |                            | 101     | 12  | 20        | 0.16                          |
| 2019 | 3   | 76147        |                            | 101     | 13  | 21        | 0.10                          |
| 2019 | 3   | 76147        |                            | 101     | 14  | 21        | 0.18                          |
| 2019 | 3   | 76147        |                            | 101     | 15  | 21        | 0.17                          |
| 2019 | 3   | 76147        |                            | 101     | 16  | 20        | 0.15                          |
| 2019 | 3   | 76147        |                            | 101     | 17  | 19        | 0.21                          |
| 2019 | 3   | 76147        |                            | 101     | 18  | 20        | 0.16                          |
| 2019 | 3   | 76147        |                            | 101     | 19  | 20        | 0.19                          |
| 2019 | 3   | 76147        |                            | 101     | 20  | 21        | 0.20                          |
| 2019 | 3   | 76147        |                            | 101     | 21  | 20        | 0.16                          |
| 2019 | 3   | 76147        |                            | 101     | 22  | 20        | 0.20                          |
| 2019 | 3   | 76147        |                            | 101     | 23  | 21        | 0.17                          |
| 2019 | 3   | 76147        |                            | 101     | 24  | 20        | 0.26                          |
| 2019 | 3   | 76147        |                            | 101     | 25  | 19        | 0.26                          |
| 2019 | 3   | 76147        |                            | 101     | 26  | 21        | 0.17                          |
| 2019 | 3   | 76147        |                            | 101     | 27  | 21        | 0.15                          |
| 2019 | 3   | 76147        |                            | 101     | 28  | 21        | 0.13                          |
| 2019 | 3   | 76147        |                            | 101     | 29  | 20        | 0.16                          |
| 2019 | 3   | 76147        |                            | 101     | 30  | 21        | 0.16                          |
| 2019 | 3   | 76147        |                            | 101     | 31  | 20        | 0.16                          |
| 2019 | 3   | 76364        |                            | 101     | 1   | 21        | 0.41                          |
| 2019 | 3   | 76364        |                            | 101     | 2   | 21        | 0.39                          |
| 2019 | 3   | 76364        |                            | 101     | 3   | 19        | 0.39                          |
| 2019 | 3   | 76364        |                            | 101     | 4   | 21        | 0.38                          |
| 2019 | 3   | 76364        |                            | 101     | 5   | 21        | 0.36                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76364        |                            | 101     | 6   | 21        | 0.37                          |
| 2019 | 3   | 76364        |                            | 101     | 7   | 20        | 0.30                          |
| 2019 | 3   | 76364        |                            | 101     | 8   | 13        | 0.37                          |
| 2019 | 3   | 76364        |                            | 101     | 9   | 20        | 0.37                          |
| 2019 | 3   | 76364        |                            | 101     | 10  | 20        | 0.34                          |
| 2019 | 3   | 76364        |                            | 101     | 11  | 21        | 0.34                          |
| 2019 | 3   | 76364        |                            | 101     | 12  | 20        | 0.42                          |
| 2019 | 3   | 76364        |                            | 101     | 13  | 21        | 0.40                          |
| 2019 | 3   | 76364        |                            | 101     | 14  | 21        | 0.36                          |
| 2019 | 3   | 76364        |                            | 101     | 15  | 21        | 0.43                          |
| 2019 | 3   | 76364        |                            | 101     | 16  | 20        | 0.38                          |
| 2019 | 3   | 76364        |                            | 101     | 17  | 19        | 0.37                          |
| 2019 | 3   | 76364        |                            | 101     | 18  | 20        | 0.43                          |
| 2019 | 3   | 76364        |                            | 101     | 19  | 20        | 0.40                          |
| 2019 | 3   | 76364        |                            | 101     | 20  | 21        | 0.32                          |
| 2019 | 3   | 76364        |                            | 101     | 21  | 20        | 0.36                          |
| 2019 | 3   | 76364        |                            | 101     | 22  | 20        | 0.35                          |
| 2019 | 3   | 76364        |                            | 101     | 23  | 21        | 0.35                          |
| 2019 | 3   | 76364        |                            | 101     | 24  | 20        | 0.38                          |
| 2019 | 3   | 76364        |                            | 101     | 25  | 19        | 0.42                          |
| 2019 | 3   | 76364        |                            | 101     | 26  | 21        | 0.36                          |
| 2019 | 3   | 76364        |                            | 101     | 27  | 21        | 0.36                          |
| 2019 | 3   | 76364        |                            | 101     | 28  | 21        | 0.37                          |
| 2019 | 3   | 76364        |                            | 101     | 29  | 20        | 0.47                          |
| 2019 | 3   | 76364        |                            | 101     | 30  | 21        | 0.36                          |
| 2019 | 3   | 76364        |                            | 101     | 31  | 20        | 0.34                          |
| 2019 | 3   | 76520        |                            | 101     | 1   | 21        | 0.35                          |
| 2019 | 3   | 76520        |                            | 101     | 2   | 21        | 0.32                          |
| 2019 | 3   | 76520        |                            | 101     | 3   | 19        | 0.35                          |
| 2019 | 3   | 76520        |                            | 101     | 4   | 21        | 0.29                          |
| 2019 | 3   | 76520        |                            | 101     | 5   | 21        | 0.29                          |
| 2019 | 3   | 76520        |                            | 101     | 6   | 21        | 0.27                          |
| 2019 | 3   | 76520        |                            | 101     | 7   | 20        | 0.31                          |
| 2019 | 3   | 76520        |                            | 101     | 8   | 13        | 0.30                          |
| 2019 | 3   | 76520        |                            | 101     | 9   | 20        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 10  | 20        | 0.34                          |
| 2019 | 3   | 76520        |                            | 101     | 11  | 21        | 0.34                          |
| 2019 | 3   | 76520        |                            | 101     | 12  | 20        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 13  | 21        | 0.32                          |
| 2019 | 3   | 76520        |                            | 101     | 14  | 21        | 0.39                          |
| 2019 | 3   | 76520        |                            | 101     | 15  | 21        | 0.32                          |
| 2019 | 3   | 76520        |                            | 101     | 16  | 20        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 17  | 19        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 18  | 20        | 0.36                          |
| 2019 | 3   | 76520        |                            | 101     | 19  | 20        | 0.35                          |
| 2019 | 3   | 76520        |                            | 101     | 20  | 21        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 21  | 20        | 0.36                          |
| 2019 | 3   | 76520        |                            | 101     | 22  | 20        | 0.37                          |
| 2019 | 3   | 76520        |                            | 101     | 23  | 21        | 0.34                          |
| 2019 | 3   | 76520        |                            | 101     | 24  | 20        | 0.38                          |
| 2019 | 3   | 76520        |                            | 101     | 25  | 19        | 0.38                          |
| 2019 | 3   | 76520        |                            | 101     | 26  | 21        | 0.35                          |
| 2019 | 3   | 76520        |                            | 101     | 27  | 21        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 28  | 21        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 29  | 20        | 0.38                          |
| 2019 | 3   | 76520        |                            | 101     | 30  | 21        | 0.33                          |
| 2019 | 3   | 76520        |                            | 101     | 31  | 20        | 0.39                          |
| 2019 | 3   | 76834        |                            | 101     | 1   | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 76834        |                            | 101     | 3   | 19        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 4   | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 5   | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 6   | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 7   | 20        | 0.17                          |
| 2019 | 3   | 76834        |                            | 101     | 8   | 13        | 0.17                          |
| 2019 | 3   | 76834        |                            | 101     | 9   | 20        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 10  | 20        | 0.21                          |
| 2019 | 3   | 76834        |                            | 101     | 11  | 21        | 0.21                          |
| 2019 | 3   | 76834        |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 13  | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 14  | 21        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 15  | 21        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 16  | 20        | 0.17                          |
| 2019 | 3   | 76834        |                            | 101     | 17  | 19        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 18  | 20        | 0.18                          |





## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 76834        |                            | 101     | 19  | 20        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 20  | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 21  | 20        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 22  | 20        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 23  | 21        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 76834        |                            | 101     | 25  | 19        | 0.23                          |
| 2019 | 3   | 76834        |                            | 101     | 26  | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 27  | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 28  | 21        | 0.19                          |
| 2019 | 3   | 76834        |                            | 101     | 29  | 20        | 0.16                          |
| 2019 | 3   | 76834        |                            | 101     | 30  | 21        | 0.18                          |
| 2019 | 3   | 76834        |                            | 101     | 31  | 20        | 0.18                          |
| 2019 | 3   | 76892        |                            | 101     | 1   | 21        | 0.32                          |
| 2019 | 3   | 76892        |                            | 101     | 2   | 21        | 0.29                          |
| 2019 | 3   | 76892        |                            | 101     | 3   | 19        | 0.42                          |
| 2019 | 3   | 76892        |                            | 101     | 4   | 21        | 0.27                          |
| 2019 | 3   | 76892        |                            | 101     | 5   | 21        | 0.26                          |
| 2019 | 3   | 76892        |                            | 101     | 6   | 21        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 7   | 20        | 0.23                          |
| 2019 | 3   | 76892        |                            | 101     | 8   | 13        | 0.15                          |
| 2019 | 3   | 76892        |                            | 101     | 9   | 20        | 0.26                          |
| 2019 | 3   | 76892        |                            | 101     | 10  | 20        | 0.28                          |
| 2019 | 3   | 76892        |                            | 101     | 11  | 21        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 12  | 20        | 0.25                          |
| 2019 | 3   | 76892        |                            | 101     | 13  | 21        | 0.25                          |
| 2019 | 3   | 76892        |                            | 101     | 14  | 21        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 15  | 21        | 0.22                          |
| 2019 | 3   | 76892        |                            | 101     | 16  | 20        | 0.28                          |
| 2019 | 3   | 76892        |                            | 101     | 17  | 19        | 0.29                          |
| 2019 | 3   | 76892        |                            | 101     | 18  | 20        | 0.25                          |
| 2019 | 3   | 76892        |                            | 101     | 19  | 20        | 0.26                          |
| 2019 | 3   | 76892        |                            | 101     | 20  | 21        | 0.31                          |
| 2019 | 3   | 76892        |                            | 101     | 21  | 20        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 22  | 20        | 0.37                          |
| 2019 | 3   | 76892        |                            | 101     | 23  | 21        | 1.65                          |
| 2019 | 3   | 76892        |                            | 101     | 24  | 20        | 0.35                          |
| 2019 | 3   | 76892        |                            | 101     | 25  | 19        | 0.30                          |
| 2019 | 3   | 76892        |                            | 101     | 26  | 21        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 27  | 21        | 0.24                          |
| 2019 | 3   | 76892        |                            | 101     | 28  | 21        | 0.48                          |
| 2019 | 3   | 76892        |                            | 101     | 29  | 20        | 0.26                          |
| 2019 | 3   | 76892        |                            | 101     | 30  | 21        | 0.54                          |
| 2019 | 3   | 76892        |                            | 101     | 31  | 20        | 0.26                          |
| 2019 | 3   | 8001         |                            | 101     | 1   | 12        | 0.14                          |
| 2019 | 3   | 8001         |                            | 101     | 2   | 18        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 3   | 18        | 0.19                          |
| 2019 | 3   | 8001         |                            | 101     | 4   | 18        | 0.18                          |
| 2019 | 3   | 8001         |                            | 101     | 5   | 19        | 0.20                          |
| 2019 | 3   | 8001         |                            | 101     | 6   | 18        | 0.18                          |
| 2019 | 3   | 8001         |                            | 101     | 7   | 13        | 0.22                          |
| 2019 | 3   | 8001         |                            | 101     | 8   | 13        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 9   | 19        | 0.20                          |
| 2019 | 3   | 8001         |                            | 101     | 10  | 19        | 0.23                          |
| 2019 | 3   | 8001         |                            | 101     | 11  | 18        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 12  | 16        | 0.15                          |
| 2019 | 3   | 8001         |                            | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 14  | 18        | 0.18                          |
| 2019 | 3   | 8001         |                            | 101     | 15  | 18        | 0.16                          |
| 2019 | 3   | 8001         |                            | 101     | 16  | 12        | 0.20                          |
| 2019 | 3   | 8001         |                            | 101     | 17  | 19        | 0.23                          |
| 2019 | 3   | 8001         |                            | 101     | 18  | 18        | 0.21                          |
| 2019 | 3   | 8001         |                            | 101     | 19  | 18        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 20  | 13        | 0.15                          |
| 2019 | 3   | 8001         |                            | 101     | 21  | 13        | 0.16                          |
| 2019 | 3   | 8001         |                            | 101     | 22  | 13        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 23  | 12        | 0.19                          |
| 2019 | 3   | 8001         |                            | 101     | 24  | 18        | 0.22                          |
| 2019 | 3   | 8001         |                            | 101     | 25  | 20        | 0.27                          |
| 2019 | 3   | 8001         |                            | 101     | 26  | 18        | 0.18                          |
| 2019 | 3   | 8001         |                            | 101     | 27  | 18        | 0.17                          |
| 2019 | 3   | 8001         |                            | 101     | 28  | 18        | 0.16                          |
| 2019 | 3   | 8001         |                            | 101     | 29  | 13        | 0.14                          |
| 2019 | 3   | 8001         |                            | 101     | 30  | 12        | 0.15                          |
| 2019 | 3   | 8001         |                            | 101     | 31  | 19        | 0.23                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 8001         | 800101                     | 101     | 1   | 12        | 0.25                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 2   | 18        | 0.37                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 3   | 18        | 0.31                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 4   | 18        | 0.32                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 5   | 19        | 0.38                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 6   | 18        | 0.34                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 7   | 13        | 0.37                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 8   | 13        | 0.28                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 9   | 19        | 0.30                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 10  | 19        | 0.42                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 11  | 18        | 0.27                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 12  | 16        | 0.27                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 13  | 16        | 0.27                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 14  | 18        | 0.26                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 15  | 18        | 0.25                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 16  | 12        | 0.22                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 17  | 19        | 0.43                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 18  | 18        | 0.32                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 19  | 18        | 0.27                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 20  | 13        | 0.26                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 21  | 13        | 0.24                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 22  | 13        | 0.28                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 23  | 12        | 0.38                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 24  | 18        | 0.45                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 25  | 20        | 0.56                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 26  | 18        | 0.33                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 27  | 18        | 0.31                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 28  | 18        | 0.26                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 29  | 13        | 0.28                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 30  | 12        | 0.27                          |
| 2019 | 3   | 8001         | 800101                     | 101     | 31  | 19        | 0.33                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 1   | 12        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 2   | 18        | 0.25                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 3   | 18        | 0.24                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 4   | 18        | 0.24                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 5   | 19        | 0.24                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 6   | 18        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 7   | 13        | 0.20                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 8   | 13        | 0.26                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 9   | 19        | 0.25                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 10  | 19        | 0.27                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 11  | 18        | 0.22                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 12  | 16        | 0.19                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 13  | 16        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 14  | 18        | 0.20                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 15  | 18        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 16  | 12        | 0.19                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 17  | 19        | 0.23                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 18  | 18        | 0.26                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 19  | 18        | 0.26                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 20  | 13        | 0.22                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 21  | 13        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 22  | 13        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 23  | 12        | 0.22                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 24  | 18        | 0.22                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 25  | 20        | 0.29                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 26  | 18        | 0.26                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 27  | 18        | 0.23                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 28  | 18        | 0.25                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 29  | 13        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 30  | 12        | 0.21                          |
| 2019 | 3   | 8001         | 800102                     | 101     | 31  | 19        | 0.26                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 1   | 12        | 0.17                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 2   | 18        | 0.22                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 3   | 18        | 0.23                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 4   | 18        | 0.23                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 5   | 19        | 0.21                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 6   | 18        | 0.22                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 7   | 13        | 0.34                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 8   | 13        | 0.18                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 9   | 19        | 0.24                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 10  | 19        | 0.20                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 11  | 18        | 0.19                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 12  | 16        | 0.16                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 13  | 16        | 0.17                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 8001         | 800103                     | 101     | 14  | 18        | 0.18                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 15  | 18        | 0.20                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 16  | 12        | 0.18                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 17  | 19        | 0.20                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 18  | 18        | 0.19                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 19  | 18        | 0.18                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 20  | 13        | 0.16                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 21  | 13        | 0.17                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 22  | 13        | 0.19                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 23  | 12        | 0.19                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 24  | 18        | 0.23                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 25  | 20        | 0.27                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 26  | 18        | 0.21                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 27  | 18        | 0.20                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 28  | 18        | 0.21                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 29  | 13        | 0.19                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 30  | 12        | 0.18                          |
| 2019 | 3   | 8001         | 800103                     | 101     | 31  | 19        | 0.23                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 1   | 12        | 0.10                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 2   | 18        | 0.09                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 3   | 18        | 0.09                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 4   | 18        | 0.10                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 5   | 19        | 0.10                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 6   | 18        | 0.11                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 7   | 13        | 0.16                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 8   | 13        | 0.13                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 9   | 19        | 0.13                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 10  | 19        | 0.17                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 11  | 18        | 0.13                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 12  | 16        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 13  | 16        | 0.13                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 14  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 15  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 16  | 12        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 17  | 19        | 0.14                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 18  | 18        | 0.16                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 19  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 20  | 13        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 21  | 13        | 0.13                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 22  | 13        | 0.15                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 23  | 12        | 0.14                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 24  | 18        | 0.15                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 25  | 20        | 0.15                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 26  | 18        | 0.14                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 27  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 28  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 29  | 13        | 0.10                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 30  | 12        | 0.10                          |
| 2019 | 3   | 8001         | 800104                     | 101     | 31  | 19        | 0.22                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 1   | 12        | 0.15                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 2   | 18        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 3   | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 4   | 18        | 0.10                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 5   | 19        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 6   | 18        | 0.14                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 7   | 13        | 0.15                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 8   | 13        | 0.13                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 9   | 19        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 10  | 19        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 11  | 18        | 0.13                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 12  | 16        | 0.10                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 13  | 16        | 0.17                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 14  | 18        | 0.27                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 15  | 18        | 0.12                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 16  | 12        | 0.53                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 17  | 19        | 0.14                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 18  | 18        | 0.25                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 19  | 18        | 0.16                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 20  | 13        | 0.12                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 21  | 13        | 0.12                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 22  | 13        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 23  | 12        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 24  | 18        | 0.10                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 25  | 20        | 0.12                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 26  | 18        | 0.10                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 8001         | 800105                     | 101     | 27  | 18        | 0.11                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 28  | 18        | 0.10                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 29  | 13        | 0.10                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 30  | 12        | 0.13                          |
| 2019 | 3   | 8001         | 800105                     | 101     | 31  | 19        | 0.11                          |
| 2019 | 3   | 81001        |                            | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 81001        |                            | 101     | 2   | 21        | 0.16                          |
| 2019 | 3   | 81001        |                            | 101     | 3   | 21        | 0.17                          |
| 2019 | 3   | 81001        |                            | 101     | 4   | 21        | 0.16                          |
| 2019 | 3   | 81001        |                            | 101     | 5   | 21        | 0.17                          |
| 2019 | 3   | 81001        |                            | 101     | 6   | 21        | 0.17                          |
| 2019 | 3   | 81001        |                            | 101     | 7   | 21        | 0.11                          |
| 2019 | 3   | 81001        |                            | 101     | 8   | 21        | 0.09                          |
| 2019 | 3   | 81001        |                            | 101     | 9   | 19        | 0.09                          |
| 2019 | 3   | 81001        |                            | 101     | 10  | 18        | 0.12                          |
| 2019 | 3   | 81001        |                            | 101     | 11  | 20        | 0.11                          |
| 2019 | 3   | 81001        |                            | 101     | 12  | 21        | 0.10                          |
| 2019 | 3   | 81001        |                            | 101     | 13  | 21        | 0.10                          |
| 2019 | 3   | 81001        |                            | 101     | 14  | 21        | 0.09                          |
| 2019 | 3   | 81001        |                            | 101     | 15  | 21        | 0.16                          |
| 2019 | 3   | 81001        |                            | 101     | 16  | 21        | 0.14                          |
| 2019 | 3   | 81001        |                            | 101     | 17  | 21        | 0.15                          |
| 2019 | 3   | 81001        |                            | 101     | 18  | 19        | 0.16                          |
| 2019 | 3   | 81001        |                            | 101     | 19  | 21        | 0.16                          |
| 2019 | 3   | 81001        |                            | 101     | 20  | 21        | 0.17                          |
| 2019 | 3   | 81001        |                            | 101     | 21  | 21        | 0.15                          |
| 2019 | 3   | 81001        |                            | 101     | 22  | 20        | 0.14                          |
| 2019 | 3   | 81001        |                            | 101     | 23  | 20        | 0.18                          |
| 2019 | 3   | 81001        |                            | 101     | 24  | 20        | 0.19                          |
| 2019 | 3   | 81001        |                            | 101     | 25  | 20        | 0.10                          |
| 2019 | 3   | 81001        |                            | 101     | 26  | 21        | 0.08                          |
| 2019 | 3   | 81001        |                            | 101     | 27  | 21        | 0.13                          |
| 2019 | 3   | 81001        |                            | 101     | 28  | 20        | 0.17                          |
| 2019 | 3   | 81001        |                            | 101     | 29  | 21        | 0.13                          |
| 2019 | 3   | 81001        |                            | 101     | 30  | 21        | 0.18                          |
| 2019 | 3   | 81001        |                            | 101     | 31  | 20        | 0.27                          |
| 2019 | 3   | 8433         |                            | 101     | 1   | 21        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 2   | 20        | 0.17                          |
| 2019 | 3   | 8433         |                            | 101     | 3   | 19        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 4   | 19        | 0.29                          |
| 2019 | 3   | 8433         |                            | 101     | 5   | 20        | 0.17                          |
| 2019 | 3   | 8433         |                            | 101     | 6   | 21        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 7   | 21        | 0.21                          |
| 2019 | 3   | 8433         |                            | 101     | 8   | 21        | 0.20                          |
| 2019 | 3   | 8433         |                            | 101     | 9   | 20        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 10  | 15        | 0.14                          |
| 2019 | 3   | 8433         |                            | 101     | 11  | 21        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 12  | 20        | 0.18                          |
| 2019 | 3   | 8433         |                            | 101     | 13  | 21        | 0.20                          |
| 2019 | 3   | 8433         |                            | 101     | 14  | 21        | 0.20                          |
| 2019 | 3   | 8433         |                            | 101     | 15  | 21        | 0.27                          |
| 2019 | 3   | 8433         |                            | 101     | 16  | 21        | 0.20                          |
| 2019 | 3   | 8433         |                            | 101     | 17  | 16        | 0.14                          |
| 2019 | 3   | 8433         |                            | 101     | 18  | 21        | 0.19                          |
| 2019 | 3   | 8433         |                            | 101     | 19  | 20        | 0.22                          |
| 2019 | 3   | 8433         |                            | 101     | 20  | 20        | 0.12                          |
| 2019 | 3   | 8433         |                            | 101     | 21  | 21        | 0.15                          |
| 2019 | 3   | 8433         |                            | 101     | 22  | 21        | 0.17                          |
| 2019 | 3   | 8433         |                            | 101     | 23  | 21        | 0.12                          |
| 2019 | 3   | 8433         |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 8433         |                            | 101     | 25  | 15        | 0.16                          |
| 2019 | 3   | 8433         |                            | 101     | 26  | 21        | 0.15                          |
| 2019 | 3   | 8433         |                            | 101     | 27  | 21        | 0.19                          |
| 2019 | 3   | 8433         |                            | 101     | 28  | 21        | 0.19                          |
| 2019 | 3   | 8433         |                            | 101     | 29  | 21        | 0.21                          |
| 2019 | 3   | 8433         |                            | 101     | 30  | 21        | 0.24                          |
| 2019 | 3   | 8433         |                            | 101     | 31  | 14        | 0.12                          |
| 2019 | 3   | 85001        |                            | 101     | 1   | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 2   | 21        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 3   | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 4   | 20        | 0.08                          |
| 2019 | 3   | 85001        |                            | 101     | 5   | 21        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 6   | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 7   | 21        | 0.08                          |
| 2019 | 3   | 85001        |                            | 101     | 8   | 20        | 0.10                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 85001        |                            | 101     | 9   | 21        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 10  | 20        | 0.11                          |
| 2019 | 3   | 85001        |                            | 101     | 11  | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 12  | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 13  | 21        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 14  | 21        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 15  | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 16  | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 17  | 19        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 18  | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 19  | 21        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 20  | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 21  | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 22  | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 23  | 20        | 0.11                          |
| 2019 | 3   | 85001        |                            | 101     | 24  | 20        | 0.13                          |
| 2019 | 3   | 85001        |                            | 101     | 25  | 19        | 0.11                          |
| 2019 | 3   | 85001        |                            | 101     | 26  | 20        | 0.10                          |
| 2019 | 3   | 85001        |                            | 101     | 27  | 20        | 0.09                          |
| 2019 | 3   | 85001        |                            | 101     | 28  | 21        | 0.17                          |
| 2019 | 3   | 85001        |                            | 101     | 29  | 19        | 0.11                          |
| 2019 | 3   | 85001        |                            | 101     | 30  | 14        | 0.12                          |
| 2019 | 3   | 85001        |                            | 101     | 31  | 18        | 0.13                          |
| 2019 | 3   | 8573         |                            | 101     | 1   | 21        | 0.19                          |
| 2019 | 3   | 8573         |                            | 101     | 2   | 20        | 1.01                          |
| 2019 | 3   | 8573         |                            | 101     | 3   | 19        | 1.15                          |
| 2019 | 3   | 8573         |                            | 101     | 4   | 19        | 1.15                          |
| 2019 | 3   | 8573         |                            | 101     | 5   | 20        | 1.27                          |
| 2019 | 3   | 8573         |                            | 101     | 6   | 21        | 0.26                          |
| 2019 | 3   | 8573         |                            | 101     | 7   | 21        | 0.21                          |
| 2019 | 3   | 8573         |                            | 101     | 8   | 21        | 0.21                          |
| 2019 | 3   | 8573         |                            | 101     | 9   | 20        | 0.24                          |
| 2019 | 3   | 8573         |                            | 101     | 10  | 15        | 0.22                          |
| 2019 | 3   | 8573         |                            | 101     | 11  | 21        | 0.28                          |
| 2019 | 3   | 8573         |                            | 101     | 12  | 20        | 0.19                          |
| 2019 | 3   | 8573         |                            | 101     | 13  | 21        | 0.20                          |
| 2019 | 3   | 8573         |                            | 101     | 14  | 21        | 0.17                          |
| 2019 | 3   | 8573         |                            | 101     | 15  | 21        | 0.18                          |
| 2019 | 3   | 8573         |                            | 101     | 16  | 21        | 0.19                          |
| 2019 | 3   | 8573         |                            | 101     | 17  | 16        | 0.23                          |
| 2019 | 3   | 8573         |                            | 101     | 18  | 21        | 0.16                          |
| 2019 | 3   | 8573         |                            | 101     | 19  | 20        | 0.30                          |
| 2019 | 3   | 8573         |                            | 101     | 20  | 20        | 0.22                          |
| 2019 | 3   | 8573         |                            | 101     | 21  | 21        | 0.19                          |
| 2019 | 3   | 8573         |                            | 101     | 22  | 21        | 0.20                          |
| 2019 | 3   | 8573         |                            | 101     | 23  | 21        | 0.20                          |
| 2019 | 3   | 8573         |                            | 101     | 24  | 20        | 0.20                          |
| 2019 | 3   | 8573         |                            | 101     | 25  | 15        | 0.21                          |
| 2019 | 3   | 8573         |                            | 101     | 26  | 21        | 0.28                          |
| 2019 | 3   | 8573         |                            | 101     | 27  | 21        | 0.16                          |
| 2019 | 3   | 8573         |                            | 101     | 28  | 21        | 0.17                          |
| 2019 | 3   | 8573         |                            | 101     | 29  | 21        | 0.15                          |
| 2019 | 3   | 8573         |                            | 101     | 30  | 21        | 0.14                          |
| 2019 | 3   | 8573         |                            | 101     | 31  | 14        | 0.18                          |
| 2019 | 3   | 86001        |                            | 102     | 1   | 21        | 0.24                          |
| 2019 | 3   | 86001        |                            | 102     | 2   | 21        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 3   | 20        | 0.25                          |
| 2019 | 3   | 86001        |                            | 102     | 4   | 20        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 5   | 21        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 6   | 18        | 0.19                          |
| 2019 | 3   | 86001        |                            | 102     | 7   | 19        | 0.22                          |
| 2019 | 3   | 86001        |                            | 102     | 8   | 20        | 0.22                          |
| 2019 | 3   | 86001        |                            | 102     | 9   | 20        | 0.24                          |
| 2019 | 3   | 86001        |                            | 102     | 10  | 17        | 0.24                          |
| 2019 | 3   | 86001        |                            | 102     | 11  | 20        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 12  | 21        | 1.79                          |
| 2019 | 3   | 86001        |                            | 102     | 13  | 21        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 14  | 20        | 0.20                          |
| 2019 | 3   | 86001        |                            | 102     | 15  | 21        | 0.26                          |
| 2019 | 3   | 86001        |                            | 102     | 16  | 11        | 0.16                          |
| 2019 | 3   | 86001        |                            | 102     | 17  | 21        | 0.23                          |
| 2019 | 3   | 86001        |                            | 102     | 18  | 20        | 0.18                          |
| 2019 | 3   | 86001        |                            | 102     | 19  | 20        | 0.14                          |
| 2019 | 3   | 86001        |                            | 102     | 20  | 20        | 0.20                          |
| 2019 | 3   | 86001        |                            | 102     | 21  | 20        | 0.18                          |



## INDICADORES DE CALIDAD PARA SERVICIOS DE DATOS MOVILES

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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 86001        |                            | 102     | 22  | 13        | 0.18                          |
| 2019 | 3   | 86001        |                            | 102     | 23  | 21        | 0.20                          |
| 2019 | 3   | 86001        |                            | 102     | 24  | 20        | 0.23                          |
| 2019 | 3   | 86001        |                            | 102     | 25  | 21        | 0.21                          |
| 2019 | 3   | 86001        |                            | 102     | 26  | 21        | 0.15                          |
| 2019 | 3   | 86001        |                            | 102     | 27  | 21        | 0.18                          |
| 2019 | 3   | 86001        |                            | 102     | 28  | 21        | 0.18                          |
| 2019 | 3   | 86001        |                            | 102     | 29  | 13        | 0.16                          |
| 2019 | 3   | 86001        |                            | 102     | 30  | 11        | 0.17                          |
| 2019 | 3   | 86001        |                            | 102     | 31  | 11        | 0.17                          |
| 2019 | 3   | 8758         |                            | 101     | 1   | 21        | 0.22                          |
| 2019 | 3   | 8758         |                            | 101     | 2   | 20        | 0.19                          |
| 2019 | 3   | 8758         |                            | 101     | 3   | 19        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 4   | 19        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 5   | 20        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 6   | 21        | 0.23                          |
| 2019 | 3   | 8758         |                            | 101     | 7   | 21        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 8   | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 9   | 20        | 0.45                          |
| 2019 | 3   | 8758         |                            | 101     | 10  | 15        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 11  | 21        | 0.23                          |
| 2019 | 3   | 8758         |                            | 101     | 12  | 20        | 0.24                          |
| 2019 | 3   | 8758         |                            | 101     | 13  | 21        | 0.23                          |
| 2019 | 3   | 8758         |                            | 101     | 14  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 15  | 21        | 0.25                          |
| 2019 | 3   | 8758         |                            | 101     | 16  | 21        | 0.27                          |
| 2019 | 3   | 8758         |                            | 101     | 17  | 16        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 18  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 19  | 20        | 0.32                          |
| 2019 | 3   | 8758         |                            | 101     | 20  | 20        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 21  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 22  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 23  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 24  | 20        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 25  | 15        | 0.19                          |
| 2019 | 3   | 8758         |                            | 101     | 26  | 21        | 0.22                          |
| 2019 | 3   | 8758         |                            | 101     | 27  | 21        | 0.28                          |
| 2019 | 3   | 8758         |                            | 101     | 28  | 21        | 0.18                          |
| 2019 | 3   | 8758         |                            | 101     | 29  | 21        | 0.21                          |
| 2019 | 3   | 8758         |                            | 101     | 30  | 21        | 0.20                          |
| 2019 | 3   | 8758         |                            | 101     | 31  | 14        | 0.19                          |
| 2019 | 3   | 88001        |                            | 102     | 1   | 21        | 0.88                          |
| 2019 | 3   | 88001        |                            | 102     | 2   | 19        | 0.87                          |
| 2019 | 3   | 88001        |                            | 102     | 3   | 18        | 0.68                          |
| 2019 | 3   | 88001        |                            | 102     | 4   | 19        | 0.77                          |
| 2019 | 3   | 88001        |                            | 102     | 5   | 17        | 0.65                          |
| 2019 | 3   | 88001        |                            | 102     | 6   | 21        | 1.55                          |
| 2019 | 3   | 88001        |                            | 102     | 7   | 20        | 0.74                          |
| 2019 | 3   | 88001        |                            | 102     | 8   | 20        | 0.66                          |
| 2019 | 3   | 88001        |                            | 102     | 9   | 23        | 0.72                          |
| 2019 | 3   | 88001        |                            | 102     | 10  | 16        | 0.59                          |
| 2019 | 3   | 88001        |                            | 102     | 11  | 18        | 0.71                          |
| 2019 | 3   | 88001        |                            | 102     | 12  | 19        | 0.66                          |
| 2019 | 3   | 88001        |                            | 102     | 13  | 21        | 0.75                          |
| 2019 | 3   | 88001        |                            | 102     | 14  | 22        | 0.65                          |
| 2019 | 3   | 88001        |                            | 102     | 15  | 22        | 0.66                          |
| 2019 | 3   | 88001        |                            | 102     | 16  | 22        | 0.72                          |
| 2019 | 3   | 88001        |                            | 102     | 17  | 19        | 0.70                          |
| 2019 | 3   | 88001        |                            | 102     | 18  | 20        | 0.65                          |
| 2019 | 3   | 88001        |                            | 102     | 19  | 22        | 0.77                          |
| 2019 | 3   | 88001        |                            | 102     | 20  | 21        | 0.68                          |
| 2019 | 3   | 88001        |                            | 102     | 21  | 21        | 0.60                          |
| 2019 | 3   | 88001        |                            | 102     | 22  | 20        | 0.67                          |
| 2019 | 3   | 88001        |                            | 102     | 23  | 20        | 0.64                          |
| 2019 | 3   | 88001        |                            | 102     | 24  | 19        | 0.62                          |
| 2019 | 3   | 88001        |                            | 102     | 25  | 22        | 0.56                          |
| 2019 | 3   | 88001        |                            | 102     | 26  | 21        | 0.68                          |
| 2019 | 3   | 88001        |                            | 102     | 27  | 15        | 0.61                          |
| 2019 | 3   | 88001        |                            | 102     | 28  | 22        | 0.78                          |
| 2019 | 3   | 88001        |                            | 102     | 29  | 21        | 0.77                          |
| 2019 | 3   | 88001        |                            | 102     | 30  | 18        | 0.63                          |
| 2019 | 3   | 88001        |                            | 102     | 31  | 16        | 0.64                          |
| 2019 | 3   | 91001        |                            | 102     | 1   | 7         | 0.18                          |
| 2019 | 3   | 91001        |                            | 102     | 2   | 21        | 1.26                          |
| 2019 | 3   | 91001        |                            | 102     | 3   | 10        | 0.92                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 91001        |                            | 102     | 4   | 18        | 0.26                          |
| 2019 | 3   | 91001        |                            | 102     | 5   | 19        | 0.28                          |
| 2019 | 3   | 91001        |                            | 102     | 6   | 20        | 0.28                          |
| 2019 | 3   | 91001        |                            | 102     | 7   | 20        | 0.34                          |
| 2019 | 3   | 91001        |                            | 102     | 8   | 11        | 0.30                          |
| 2019 | 3   | 91001        |                            | 102     | 9   | 13        | 0.30                          |
| 2019 | 3   | 91001        |                            | 102     | 10  | 13        | 0.28                          |
| 2019 | 3   | 91001        |                            | 102     | 11  | 19        | 0.29                          |
| 2019 | 3   | 91001        |                            | 102     | 12  | 13        | 0.24                          |
| 2019 | 3   | 91001        |                            | 102     | 13  | 21        | 0.27                          |
| 2019 | 3   | 91001        |                            | 102     | 14  | 13        | 0.21                          |
| 2019 | 3   | 91001        |                            | 102     | 15  | 12        | 0.22                          |
| 2019 | 3   | 91001        |                            | 102     | 16  | 22        | 0.26                          |
| 2019 | 3   | 91001        |                            | 102     | 17  | 11        | 0.22                          |
| 2019 | 3   | 91001        |                            | 102     | 18  | 13        | 0.32                          |
| 2019 | 3   | 91001        |                            | 102     | 19  | 18        | 0.78                          |
| 2019 | 3   | 91001        |                            | 102     | 20  | 13        | 0.20                          |
| 2019 | 3   | 91001        |                            | 102     | 21  | 13        | 0.21                          |
| 2019 | 3   | 91001        |                            | 102     | 22  | 17        | 0.23                          |
| 2019 | 3   | 91001        |                            | 102     | 23  | 14        | 0.29                          |
| 2019 | 3   | 91001        |                            | 102     | 24  | 19        | 0.24                          |
| 2019 | 3   | 91001        |                            | 102     | 25  | 14        | 0.30                          |
| 2019 | 3   | 91001        |                            | 102     | 26  | 12        | 0.20                          |
| 2019 | 3   | 91001        |                            | 102     | 27  | 21        | 0.27                          |
| 2019 | 3   | 91001        |                            | 102     | 28  | 14        | 0.20                          |
| 2019 | 3   | 91001        |                            | 102     | 29  | 15        | 0.22                          |
| 2019 | 3   | 91001        |                            | 102     | 30  | 23        | 0.20                          |
| 2019 | 3   | 91001        |                            | 102     | 31  | 21        | 0.34                          |
| 2019 | 3   | 94001        |                            | 102     | 1   | 12        | 2.90                          |
| 2019 | 3   | 94001        |                            | 102     | 2   | 14        | 3.91                          |
| 2019 | 3   | 94001        |                            | 102     | 3   | 20        | 10.26                         |
| 2019 | 3   | 94001        |                            | 102     | 4   | 20        | 5.50                          |
| 2019 | 3   | 94001        |                            | 102     | 5   | 12        | 3.70                          |
| 2019 | 3   | 94001        |                            | 102     | 6   | 21        | 7.23                          |
| 2019 | 3   | 94001        |                            | 102     | 7   | 15        | 4.55                          |
| 2019 | 3   | 94001        |                            | 102     | 8   | 22        | 5.54                          |
| 2019 | 3   | 94001        |                            | 102     | 9   | 14        | 4.87                          |
| 2019 | 3   | 94001        |                            | 102     | 10  | 11        | 3.88                          |
| 2019 | 3   | 94001        |                            | 102     | 11  | 11        | 1.73                          |
| 2019 | 3   | 94001        |                            | 102     | 12  | 9         | 2.09                          |
| 2019 | 3   | 94001        |                            | 102     | 13  | 18        | 2.17                          |
| 2019 | 3   | 94001        |                            | 102     | 14  | 12        | 3.31                          |
| 2019 | 3   | 94001        |                            | 102     | 15  | 15        | 3.21                          |
| 2019 | 3   | 94001        |                            | 102     | 16  | 20        | 4.56                          |
| 2019 | 3   | 94001        |                            | 102     | 17  | 17        | 4.56                          |
| 2019 | 3   | 94001        |                            | 102     | 18  | 20        | 4.53                          |
| 2019 | 3   | 94001        |                            | 102     | 19  | 13        | 3.85                          |
| 2019 | 3   | 94001        |                            | 102     | 20  | 17        | 1.58                          |
| 2019 | 3   | 94001        |                            | 102     | 21  | 8         | 1.93                          |
| 2019 | 3   | 94001        |                            | 102     | 22  | 19        | 1.13                          |
| 2019 | 3   | 94001        |                            | 102     | 23  | 13        | 0.51                          |
| 2019 | 3   | 94001        |                            | 102     | 24  | 10        | 1.68                          |
| 2019 | 3   | 94001        |                            | 102     | 25  | 19        | 3.58                          |
| 2019 | 3   | 94001        |                            | 102     | 26  | 12        | 0.48                          |
| 2019 | 3   | 94001        |                            | 102     | 27  | 13        | 3.07                          |
| 2019 | 3   | 94001        |                            | 102     | 28  | 18        | 1.39                          |
| 2019 | 3   | 94001        |                            | 102     | 29  | 21        | 2.81                          |
| 2019 | 3   | 94001        |                            | 102     | 30  | 15        | 0.76                          |
| 2019 | 3   | 94001        |                            | 102     | 31  | 10        | 0.46                          |
| 2019 | 3   | 95001        |                            | 102     | 1   | 20        | 0.66                          |
| 2019 | 3   | 95001        |                            | 102     | 2   | 20        | 0.66                          |
| 2019 | 3   | 95001        |                            | 102     | 3   | 20        | 0.61                          |
| 2019 | 3   | 95001        |                            | 102     | 4   | 21        | 0.67                          |
| 2019 | 3   | 95001        |                            | 102     | 5   | 21        | 0.55                          |
| 2019 | 3   | 95001        |                            | 102     | 6   | 21        | 0.48                          |
| 2019 | 3   | 95001        |                            | 102     | 7   | 21        | 0.73                          |
| 2019 | 3   | 95001        |                            | 102     | 8   | 14        | 0.93                          |
| 2019 | 3   | 95001        |                            | 102     | 9   | 20        | 1.26                          |
| 2019 | 3   | 95001        |                            | 102     | 10  | 19        | 0.67                          |
| 2019 | 3   | 95001        |                            | 102     | 11  | 18        | 7.37                          |
| 2019 | 3   | 95001        |                            | 102     | 12  | 21        | 0.36                          |
| 2019 | 3   | 95001        |                            | 102     | 13  | 21        | 0.81                          |
| 2019 | 3   | 95001        |                            | 102     | 14  | 20        | 2.95                          |
| 2019 | 3   | 95001        |                            | 102     | 15  | 20        | 5.17                          |
| 2019 | 3   | 95001        |                            | 102     | 16  | 21        | 2.21                          |



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| ANNO | MES | ID_MUNICIPIO | ID_DIVISION ADMINISTRATIVA | ID_ZONA | DIA | HORA_PICO | PORCENTAJE_INTENTO NO_EXITOSO |
|------|-----|--------------|----------------------------|---------|-----|-----------|-------------------------------|
| 2019 | 3   | 95001        |                            | 102     | 17  | 19        | 4.61                          |
| 2019 | 3   | 95001        |                            | 102     | 18  | 19        | 4.36                          |
| 2019 | 3   | 95001        |                            | 102     | 19  | 20        | 2.24                          |
| 2019 | 3   | 95001        |                            | 102     | 20  | 20        | 5.30                          |
| 2019 | 3   | 95001        |                            | 102     | 21  | 18        | 26.22                         |
| 2019 | 3   | 95001        |                            | 102     | 22  | 19        | 1.60                          |
| 2019 | 3   | 95001        |                            | 102     | 23  | 19        | 2.67                          |
| 2019 | 3   | 95001        |                            | 102     | 24  | 20        | 2.07                          |
| 2019 | 3   | 95001        |                            | 102     | 25  | 19        | 2.73                          |
| 2019 | 3   | 95001        |                            | 102     | 26  | 21        | 1.14                          |
| 2019 | 3   | 95001        |                            | 102     | 27  | 21        | 13.11                         |
| 2019 | 3   | 95001        |                            | 102     | 28  | 20        | 0.48                          |
| 2019 | 3   | 95001        |                            | 102     | 29  | 21        | 15.20                         |
| 2019 | 3   | 95001        |                            | 102     | 30  | 20        | 6.12                          |
| 2019 | 3   | 95001        |                            | 102     | 31  | 20        | 13.36                         |
| 2019 | 3   | 99001        |                            | 102     | 1   | 21        | 0.08                          |
| 2019 | 3   | 99001        |                            | 102     | 2   | 15        | 0.12                          |
| 2019 | 3   | 99001        |                            | 102     | 3   | 18        | 0.13                          |
| 2019 | 3   | 99001        |                            | 102     | 4   | 10        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 5   | 21        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 6   | 18        | 0.13                          |
| 2019 | 3   | 99001        |                            | 102     | 7   | 20        | 0.09                          |
| 2019 | 3   | 99001        |                            | 102     | 8   | 20        | 0.14                          |
| 2019 | 3   | 99001        |                            | 102     | 9   | 20        | 0.16                          |
| 2019 | 3   | 99001        |                            | 102     | 10  | 18        | 0.19                          |
| 2019 | 3   | 99001        |                            | 102     | 11  | 21        | 0.13                          |
| 2019 | 3   | 99001        |                            | 102     | 12  | 15        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 13  | 21        | 0.08                          |
| 2019 | 3   | 99001        |                            | 102     | 14  | 11        | 0.09                          |
| 2019 | 3   | 99001        |                            | 102     | 15  | 18        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 16  | 18        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 17  | 15        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 18  | 21        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 19  | 20        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 20  | 21        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 21  | 22        | 0.18                          |
| 2019 | 3   | 99001        |                            | 102     | 22  | 21        | 0.14                          |
| 2019 | 3   | 99001        |                            | 102     | 23  | 10        | 0.09                          |
| 2019 | 3   | 99001        |                            | 102     | 24  | 10        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 25  | 16        | 0.11                          |
| 2019 | 3   | 99001        |                            | 102     | 26  | 13        | 0.18                          |
| 2019 | 3   | 99001        |                            | 102     | 27  | 21        | 0.10                          |
| 2019 | 3   | 99001        |                            | 102     | 28  | 20        | 0.16                          |
| 2019 | 3   | 99001        |                            | 102     | 29  | 17        | 0.09                          |
| 2019 | 3   | 99001        |                            | 102     | 30  | 19        | 0.14                          |
| 2019 | 3   | 99001        |                            | 102     | 31  | 15        | 0.15                          |