Data quality review - Caribe

Measles and Rubella Risk Assessment Tool

03.11.2024

# Quality review of geospatial vector data (shapefile)



#### Problems found:

* None.

#### Rows with missing data[[1]](#footnote-24).

| No missing data found |
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|  |

# Review of country data quality

### 1. General

#### Problems found:

* None.

### 2. Population and area data

#### Missing data by variable.

| Variable | Missing data | (n) |
| --- | --- | --- |
| Geocódigo Admin1 | No | 0 |
| Geocódigo Admin2 | No | 0 |
| Nivel subregional | No | 0 |
| País | No | 0 |
| Total population | No | 0 |
| Area (km2) | No | 0 |

#### Rows with missing data[[2]](#footnote-30).

| No missing data found |
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#### Data with invalid geocodes.

| No invalid geocodes found |
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#### Non-numeric data in ‘Total population’.

| No non-numeric data found |
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|  |

#### Non-numeric data in ‘Area (km2)’.

| No non-numeric data found |
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|  |

### 3. Population immunity

#### Missing data by variable.

| Variable | Missing data | (n) |
| --- | --- | --- |
| Geocódigo Admin1 | No | 0 |
| Geocódigo Admin2 | No | 0 |
| Nivel subregional | No | 0 |
| País | No | 0 |
| MMR1 2019 | No | 0 |
| MMR1 2020 | No | 0 |
| MMR1 2021 | No | 0 |
| MMR1 2022 | No | 0 |
| MMR1 2023 | No | 0 |
| MMR2 2019 | No | 0 |
| MMR2 2020 | No | 0 |
| MMR2 2021 | No | 0 |
| MMR2 2022 | No | 0 |
| MMR2 2023 | No | 0 |
| Coverage of latest follow-up campaign | No | 0 |

#### Missing identifier data[[3]](#footnote-37).

| No missing data found |
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|  |

#### Data with invalid geocodes.

| No invalid geocodes found |
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#### No non-numeric or missing data found (MMR1)

| No non-numeric or missing data found |
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#### No non-numeric or missing data found (MMR2, Coverage of latest follow-up campaign)

| No non-numeric or missing data found |
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|  |

### 4. Program delivery performance

#### Missing data by variable.

| Variable | Missing data | (n) |
| --- | --- | --- |
| Geocódigo Admin1 | No | 0 |
| Geocódigo Admin2 | No | 0 |
| Nivel subregional | No | 0 |
| País | No | 0 |
| Número de dosis de Penta 1 | Yes | 2 |
| Número de dosis de SRP1 | Yes | 1 |
| Número de dosis de SRP2 | Yes | 1 |
| MMR1-MMR2 drop-out rate | No | 0 |
| Penta1–MMR1 drop-out rate | No | 0 |

#### Missing identifier data[[4]](#footnote-44).

| No missing data found |
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#### Data with invalid geocodes.

| No invalid geocodes found |
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#### Non-numeric or missing data on number of doses and drop-out rate.

| ROW | Geocódigo Admin1 | Geocódigo Admin2 | Número de dosis de Penta 1 | Número de dosis de SRP1 | Número de dosis de SRP2 | MMR1-MMR2 drop-out rate | Penta1–MMR1 drop-out rate |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | CAR | CUW | NA | NA | NA | 0.000000 | 0 |
| 20 | CAR | VCT | NA | 1161 | 1249 | -7.579673 | 0 |

### 5. Vulnerable groups

#### Missing data by variable.

| Variable | Missing data | (n) |
| --- | --- | --- |
| Geocódigo Admin1 | No | 0 |
| Geocódigo Admin2 | No | 0 |
| Nivel subregional | No | 0 |
| País | No | 0 |
| Presencia de población migrante, desplazados internos, barrios marginales o comunidades indígenas (Si/No) | No | 0 |
| Presencia de gran afluencia de turistas o de destinos ecoturistas (Si/No) | No | 0 |
| Presencia de problemas de seguridad y protección que dificulten la vacunación de rutina o la investigación epidemiológica de campo (p. ej., tráfico de drogas) (Si/No) | No | 0 |
| Presencia de calamidades o desastres (Si/No) | No | 0 |
| Acceso limitado a los servicios de salud debido a problemas de la topografía o transporte (Si/No) | No | 0 |
| Presencia de comunidades fronterizas (Si/No) | No | 0 |
| Presencia de áreas con alto tráfico urbano, carreteras importantes (en los países y entre ellos) o zonas limítrofes con grandes urbes (Si/No) | No | 0 |
| Presencia de áreas con eventos masivos (p. ej., comercio, ferias, mercados, eventos deportivos, eventos religiosos) (Si/No) | No | 0 |

#### Missing identifier data[[5]](#footnote-50).

| No missing data found |
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#### Data with invalid geocodes.

| No invalid geocodes found |
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### 6. Case-by-case data

#### Missing data by variable.

| No cases found |
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#### Data validity of date variables.

| No cases found |
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|  |

#### Invalid date in date variables[[6]](#footnote-56).

| No cases found |
| --- |
|  |

#### Cases where date of birth is later than date of onset of rash:

| No cases found |
| --- |
|  |

#### Cases where date of onset of rash is later than date of sample collection:

| No cases found |
| --- |
|  |

#### Cases with errors in vaccination history or number of doses:

| No cases found |
| --- |
|  |

### 7. Rapid response

#### Missing data by variable.

| Variable | Missing data | (n) |
| --- | --- | --- |
| Geocódigo Admin1 | No | 0 |
| Geocódigo Admin2 | No | 0 |
| Nivel subregional | No | 0 |
| País | No | 0 |
| Presencia de un equipo nacional de respuesta rápida capacitado (Si/No) | No | 0 |
| Porcentaje de hospitales de nivel subnacional con personal capacitado para hacer triaje y aislar casos altamente sospechosos de sarampión y rubéola | No | 0 |

#### Rows with missing data[[7]](#footnote-63).

| No missing data found |
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#### Data with invalid geocodes.

| No invalid geocodes found |
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#### Invalid data in ‘Presencia de un equipo nacional de respuesta rápida capacitado (Si/No)’.

| No invalid data found |
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|  |

#### Non-numeric data in ‘Porcentaje de hospitales de nivel subnacional con personal capacitado para hacer triaje y aislar casos altamente sospechosos de sarampión y rubéola’.

| No non-numeric data found |
| --- |
|  |

# Review loading of country flag

### Load flag



Success: Image of flag has been found in ‘Data’ folder.

1. NA: missing data [↑](#footnote-ref-24)
2. NA: missing data [↑](#footnote-ref-30)
3. NA: missing data [↑](#footnote-ref-37)
4. NA: missing data [↑](#footnote-ref-44)
5. NA: missing data [↑](#footnote-ref-50)
6. Invalid date: Any date not in DD/MM/YYYY format. [↑](#footnote-ref-56)
7. NA: missing data [↑](#footnote-ref-63)