Measles, Rubella and Congenital Rubella Syndrome (CRS) Country Profile

Haiti

Pan American Health Organization

Introduction

The measles and rubella country profile aims to facilitate the analysis of data compiled in the last five years. This profile was only developed for those countries who officially reported vaccination coverage and case by case surveillance and laboratory data to the Pan American Health Organization (PAHO). There may be minor differences in the country profile if the country has updated data that was not reported to PAHO. The country profile will be automatically updated twice per year: at the end of April (surveillance data) and at the end of September (vaccination coverage data).

> **ⓘ Note**
>
> The latest update dates for this country profile are available in the **Update dates** section.

1

General Information

Table 1: Demographic data, 2023.

Demographic group	Population
1 year of age	255,567
Total population	11,724,764

Table 2: Last endemic cases by year and disease.

Measles	Rubella	CRS
2001	2006	NA

Table 3: Vaccination schedule.

Vaccine	1st Dose	2nd Dose	MMR2 Year Introduced
MR	9 mo	12 mo-13 mo	2016

Table 4: Accumulation of susceptibles for measles and rubella.

Year of the last follow-up campaign	Vaccine used (M, MR, MMR)	Age group vaccinated	Number vaccinated (numerator)	Coverage of the follow-up campaign (B/C)*100	Number of susceptibles 1-4 years of age	Year of next campaign
2019	MR	9-59 month	1,279,526	95	503,099	2024

Epidemiology and Quality of Surveillance

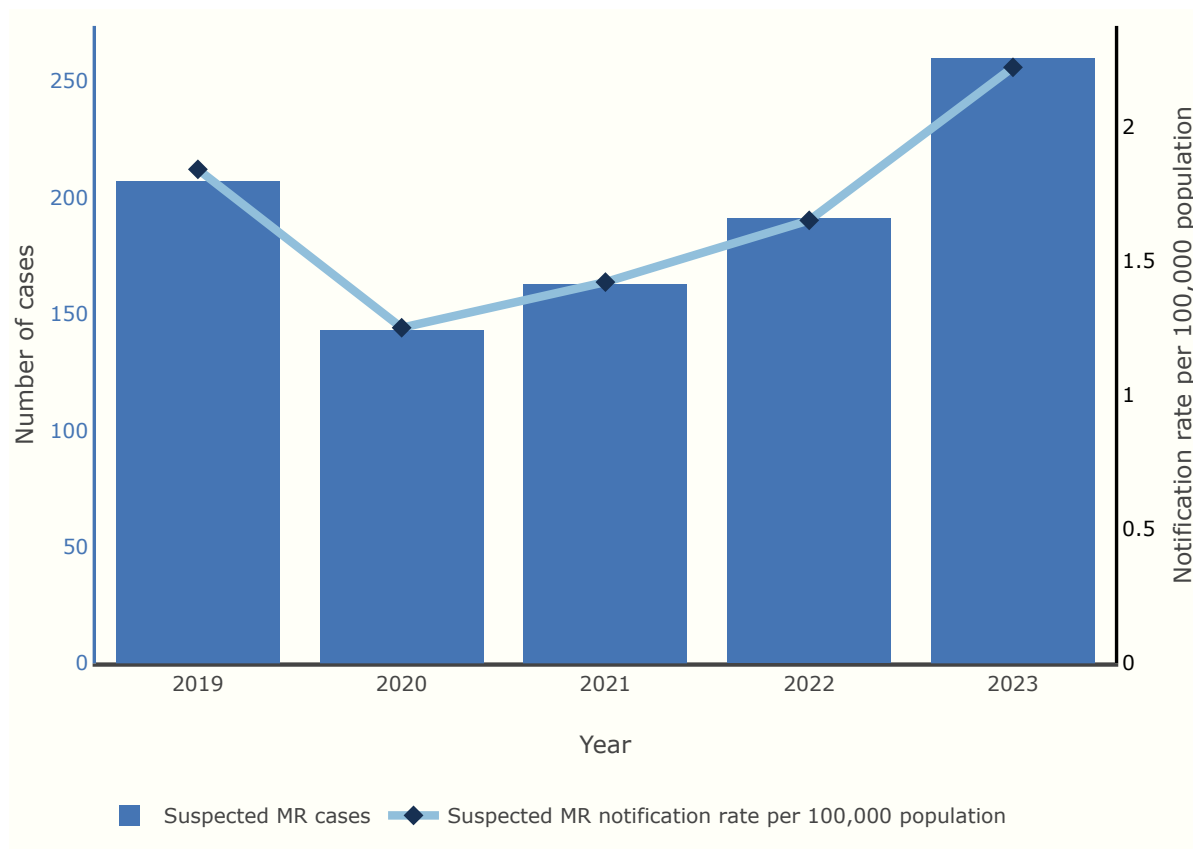Figure 1: Distribution of suspected MR cases and notification rate at the national level, 2019-
2023.

Table 5: Distribution of suspected MR cases and notification rate at the national level, 2019-
2023.

	2019	2020	2021	2022	2023
Suspected MR cases	207	143	163	191	260
Suspected MR notification rate per 100,000 population	1.84	1.25	1.42	1.65	2.22

Figure 2: Distribution of suspected CRS cases and notification rate at the national level, 2019-2023.
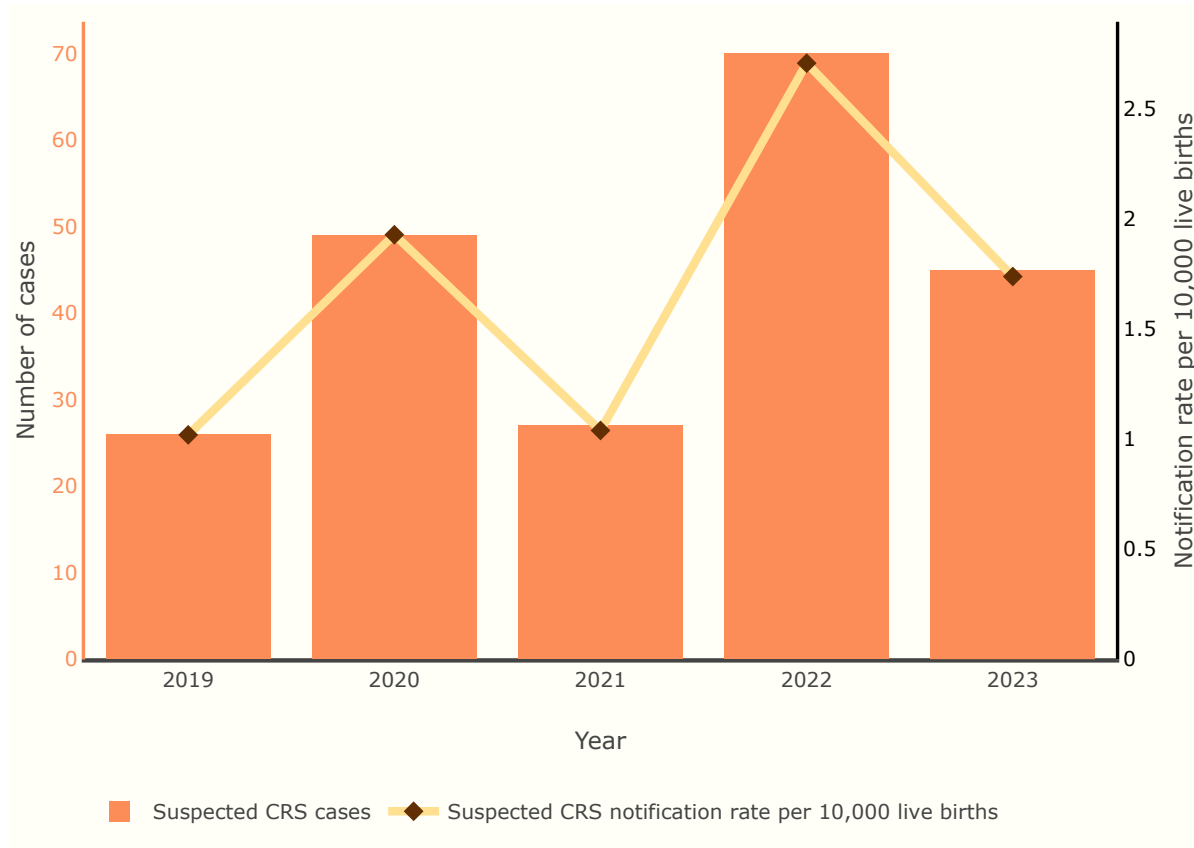

Table 6: Distribution of suspected CRS cases and notification rate at the national level, 2019-2023.

	2019	2020	2021	2022	2023
Suspected CRS cases	26	49	27	70	45
Suspected CRS notification rate per 10,000 live births	1.02	1.93	1.04	2.71	1.74

Figure 3: Reported cases of measles and rubella by epidemiological week and final classification: confirmed, discarded and under investigation, 2019-2023.
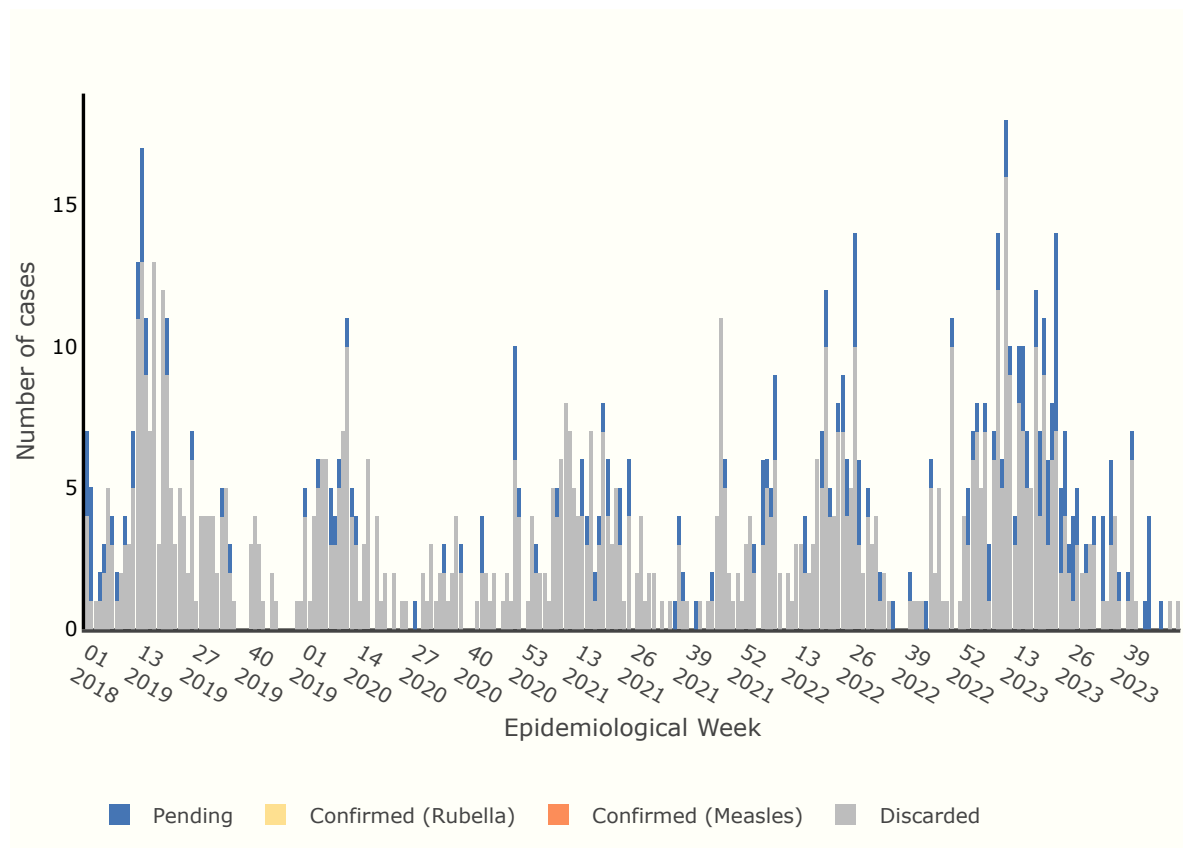
Figure 4: Reported cases of measles and rubella by year and final classification: confirmed, discarded and under investigation, 2019-2023.
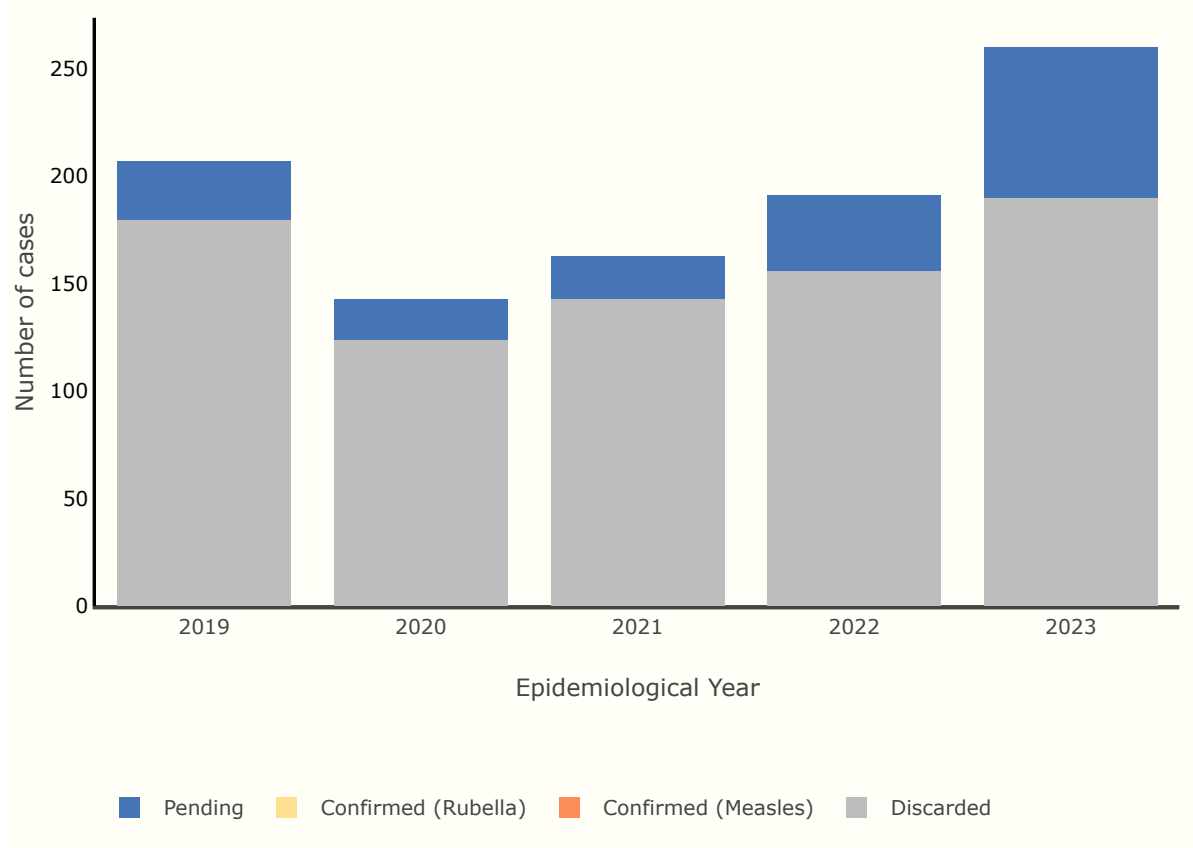

Table 7: Reported cases of measles and rubella by epidemiological year and final classification, 2019-2023.

Classification	2019	2020	2021	2022	2023
Confirmed (Measles)	0	0	0	0	0
Confirmed (Rubella)	0	0	0	0	0
Pending	27	19	20	35	70
Discarded	180	124	143	156	190
Total	207	143	163	191	260

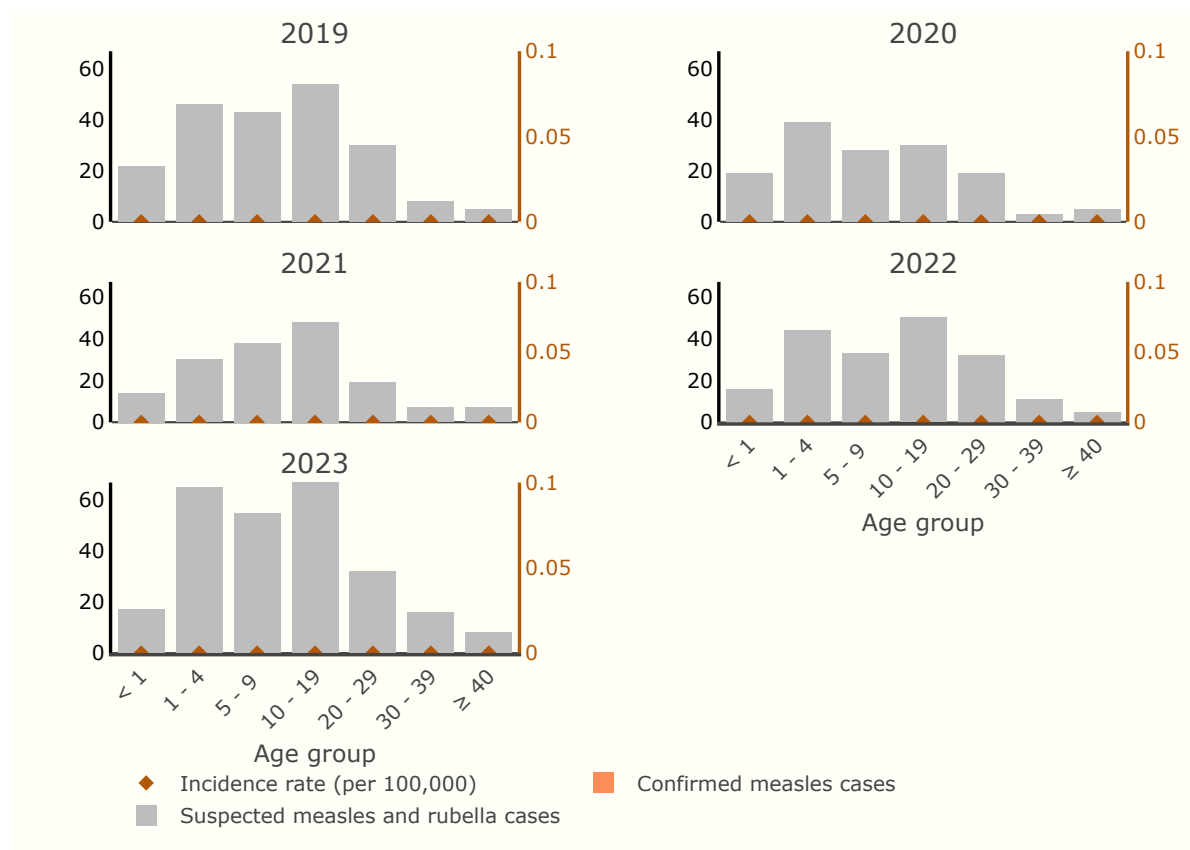Figure 5: Distribution of reported measles and rubella cases and incidence rate by age group, 2019-2023.

Figure 6: Performance indicators of measles and rubella surveillance by year, 2019-2023.
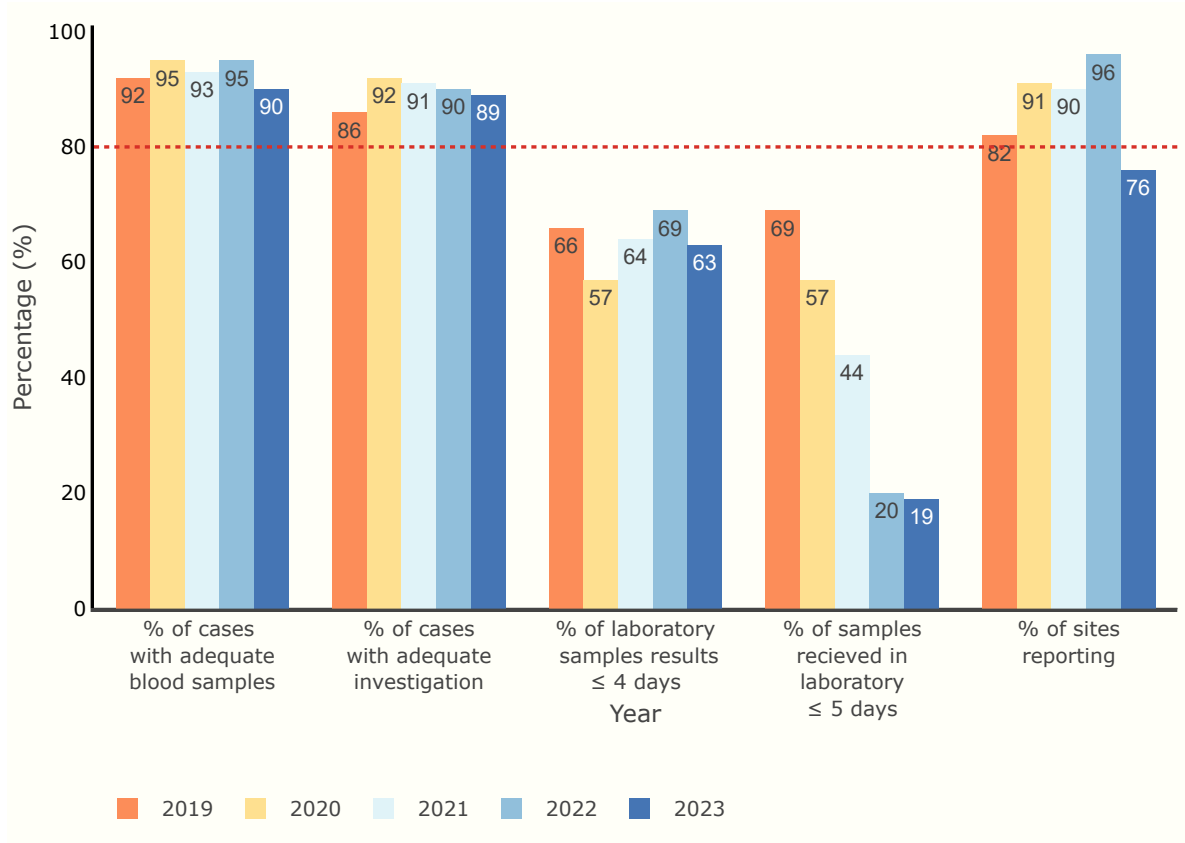
Figure 7: Proportion of the 11 variables reported for adequate investigation indicator, 2023.
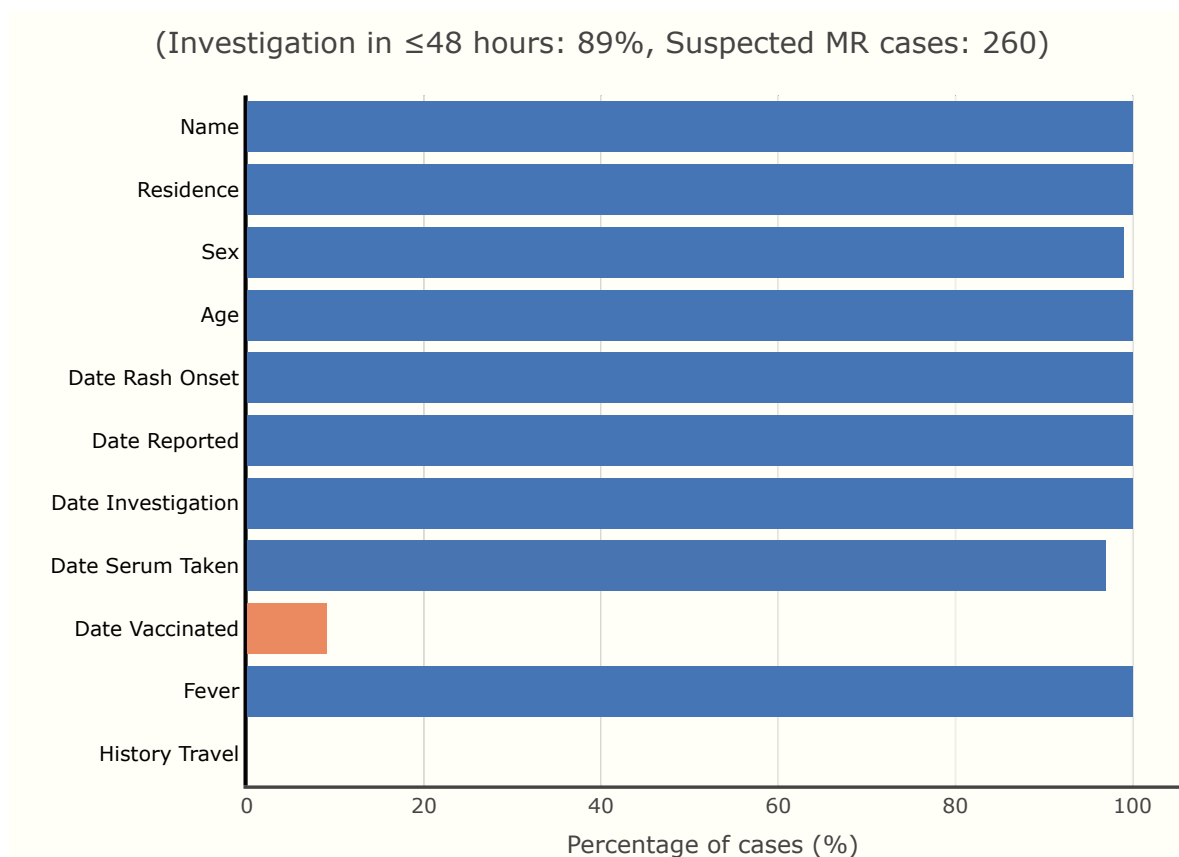

(Investigation in ≤48 hours: 89%, Suspected MR cases: 260)

Table 8: Municipalities reporting measles and rubella suspected cases by year, 2019-2023.

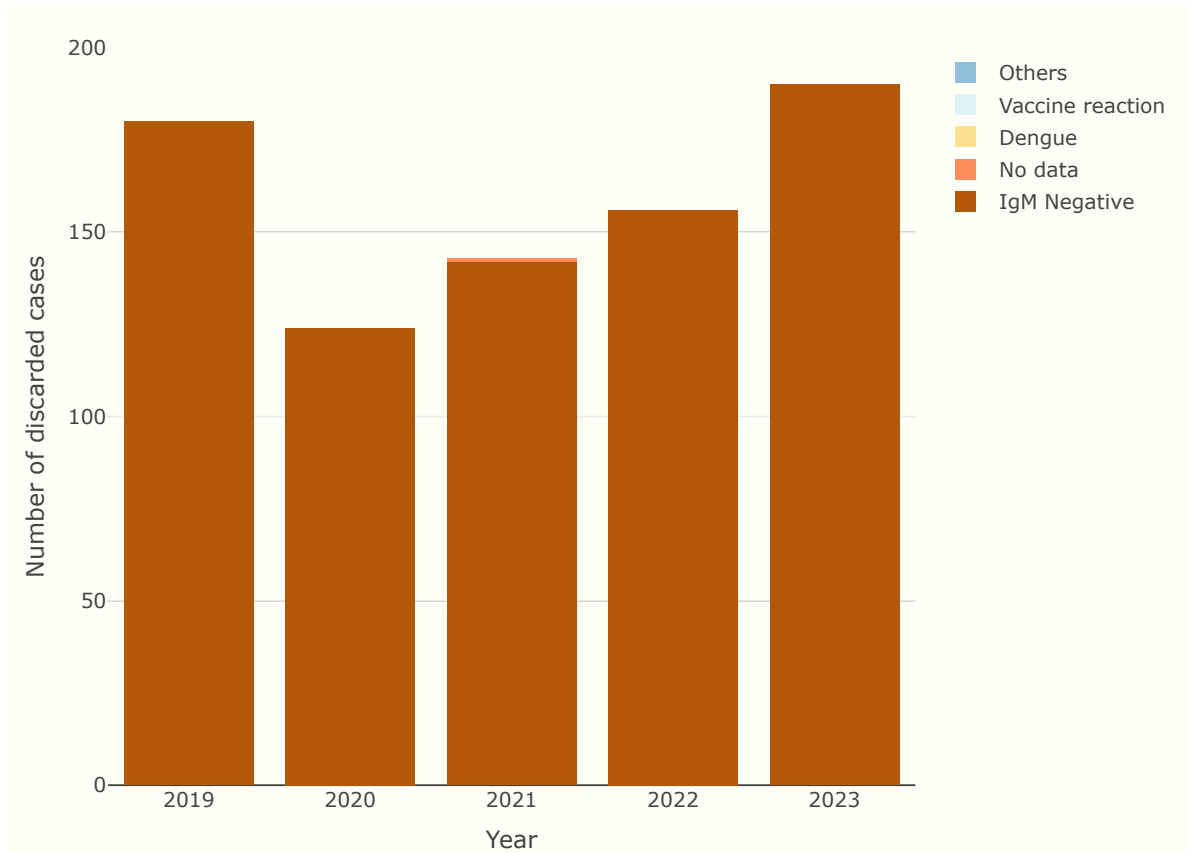| Year	No. of municipalities reporting suspected cases	Total municipalities in the country	% of municipalities reporting suspected cases
2019	NA	140	0
2020	39	140	28
2021	43	140	31
2022	49	140	35
2023	62	140	44

Laboratory Surveillance

Table 9: Criteria used to discard suspected measles and rubella cases by year, 2019-2023.

Year	No. of suspected cases reported	No. of discarded cases	Criteria for discarding			No. of cases discarded by other differential diagnosis					
			IgM Negative	No data	Others	Vaccine reaction	Dengue	Parvo virus	Herpes 6	Allergic reaction	Others
2019	207	180	180	0	0	0	0	0	0	0	0
2020	143	124	124	0	0	0	0	0	0	0	0
2021	163	143	142	1	0	0	0	0	0	0	0
2022	191	156	156	0	0	0	0	0	0	0	0
2023	260	190	190	0	0	0	0	0	0	0	0

Figure 8: Distribution of discarded measles and rubella suspected cases by basis for discarding, 2019-2023.

Analysis of Vaccination Coverage and Population Cohorts

Figure 9: Coverage of the first dose of measles-mumps-rubella (MMR1) vaccine, number of doses administered, and number of children 1 year of age, 2019-2023.
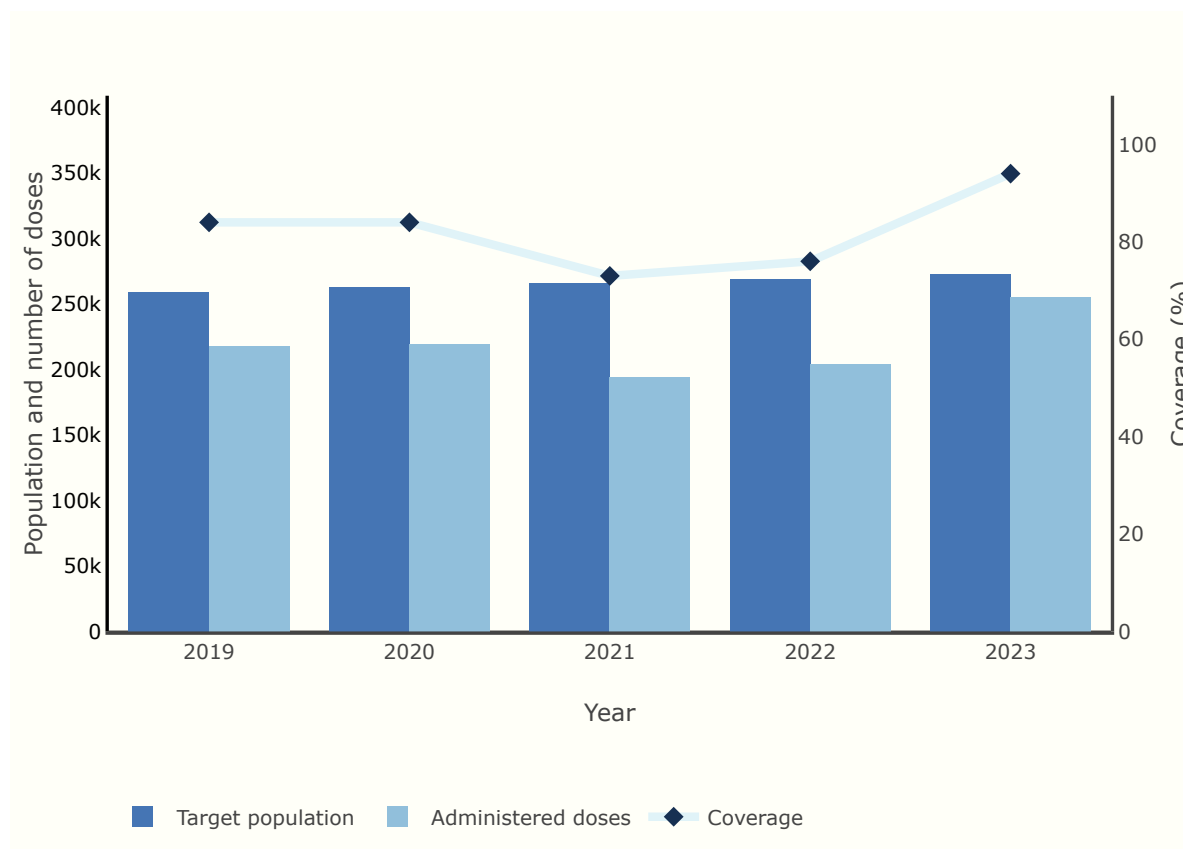
Figure 10: Coverage of the second dose of measles-mumps-rubella (MMR2) vaccine, number of doses administered, and number of children 1 year(s) of age, 2019-2023.
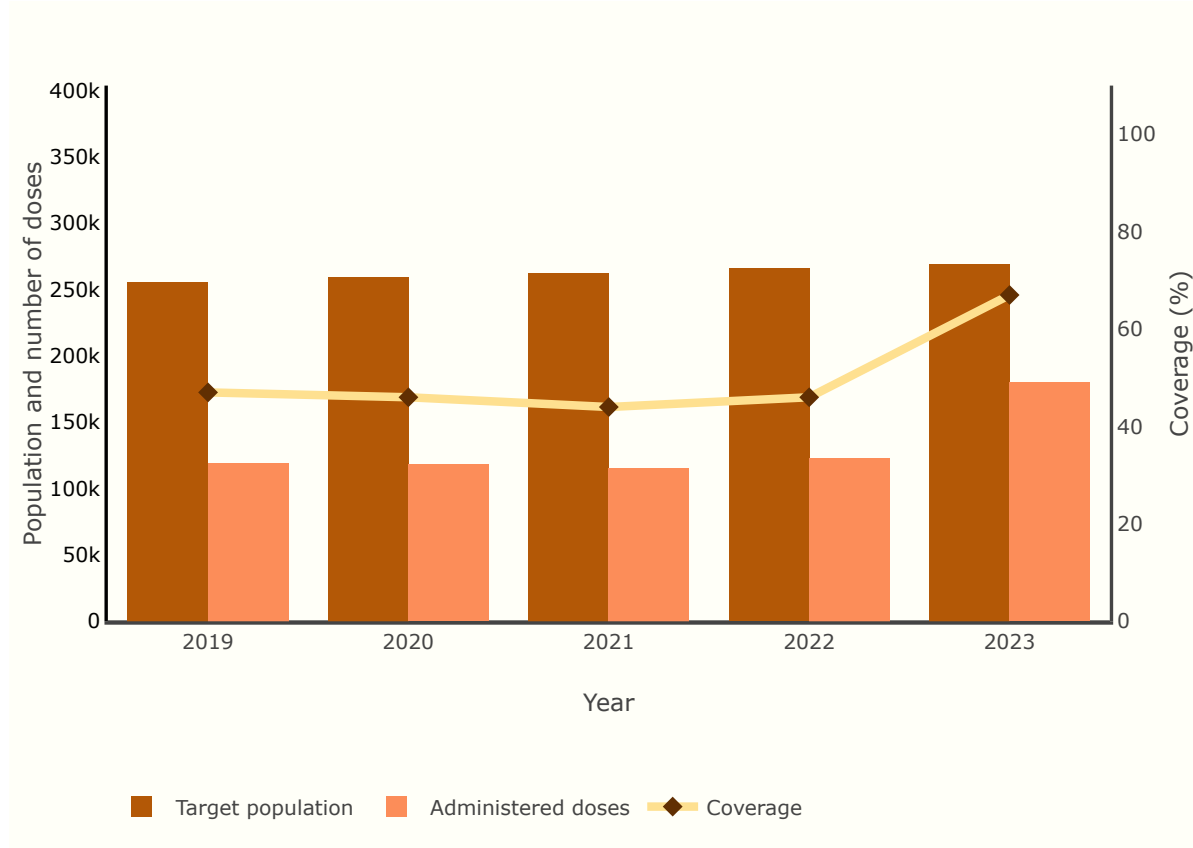

Table 10: Vaccination coverage with first and second dose of measles-mumps-rubella (MMR1 and MMR2) vaccines by target population and administered doses, 2019-2023.

Year	MMR1			MMR2		
	Administered doses	Target population	Coverage	Administered doses	Target population	Coverage
2019	218,177	259,342	84	119,365	255,869	47
2020	219,677	263,044	84	118,140	259,521	46
2021	194,086	266,279	73	115,510	262,713	44
2022	204,429	269,554	76	122,908	265,944	46
2023	255,474	272,870	94	180,153	269,215	67

Figure 11: Proportion of municipalities by MMR1 vaccination coverage ranges, 2018-2022.
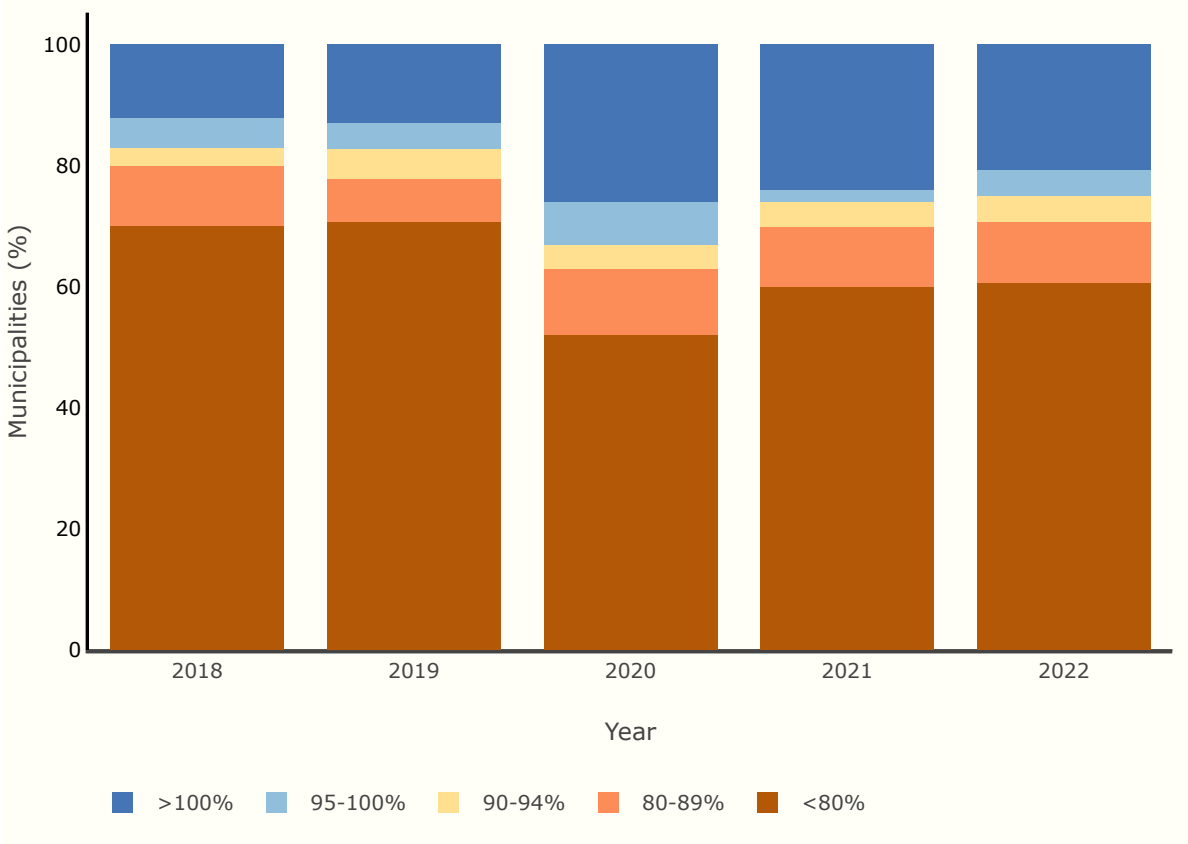
Figure 12: Proportion of children living in those municipalities for MMR1 vaccination coverage
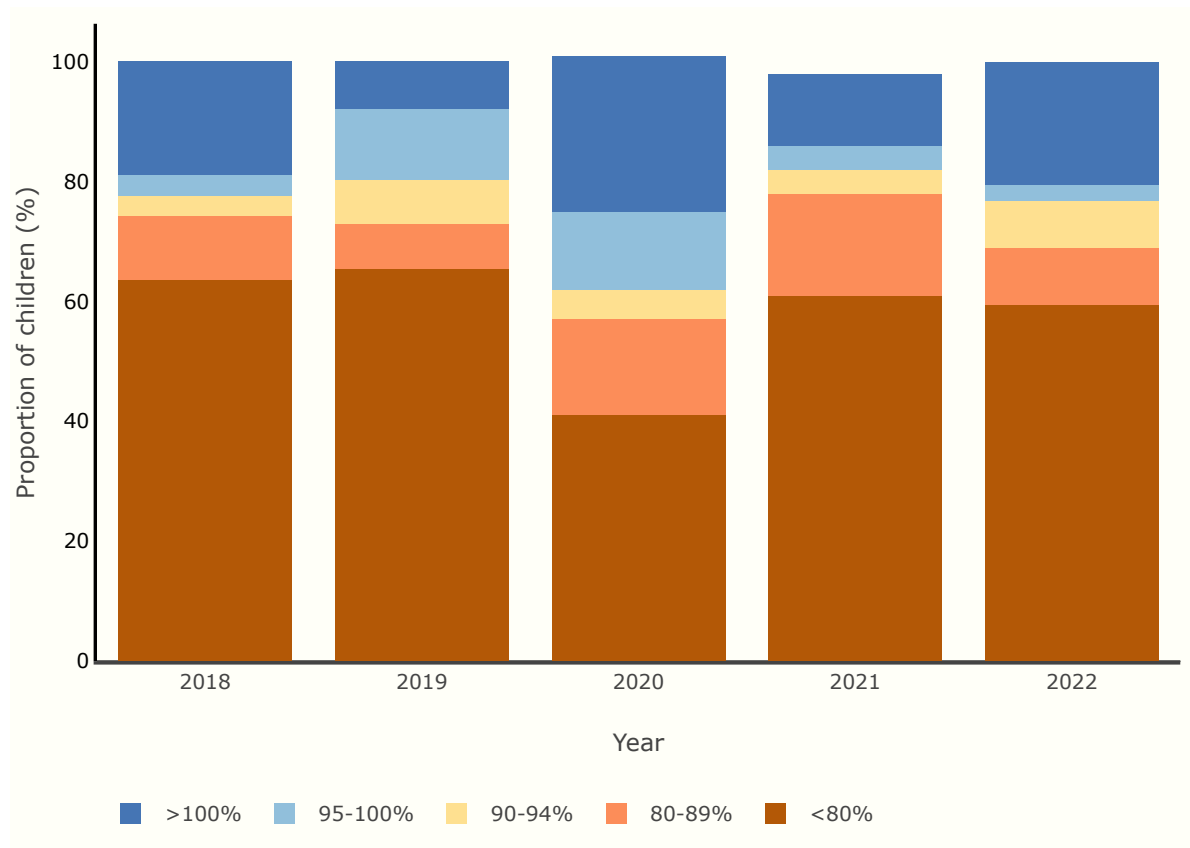ranges, 2018-2022.

Figure 13: Proportion of municipalities by MMR2 vaccination coverage ranges, 2018-2022.
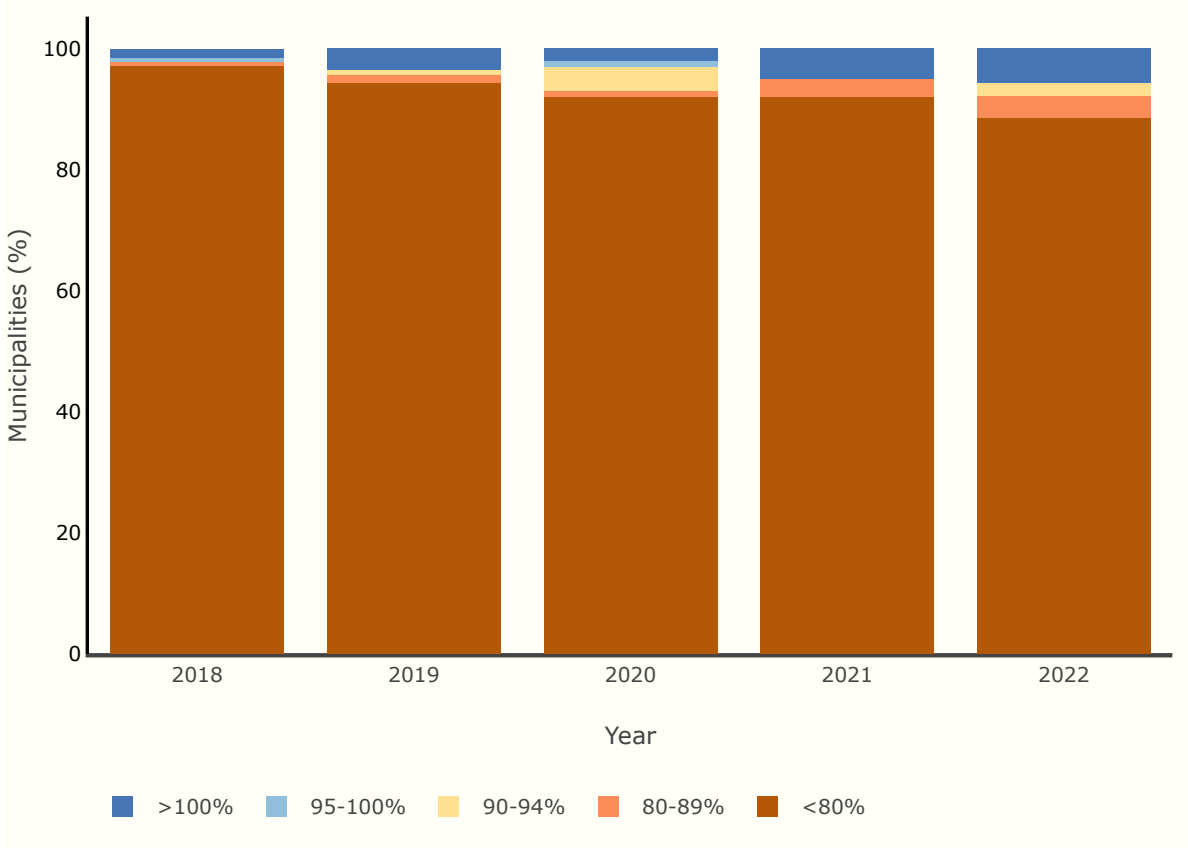
Figure 14: Proportion of children living in those municipalities for MMR2 vaccination coverage
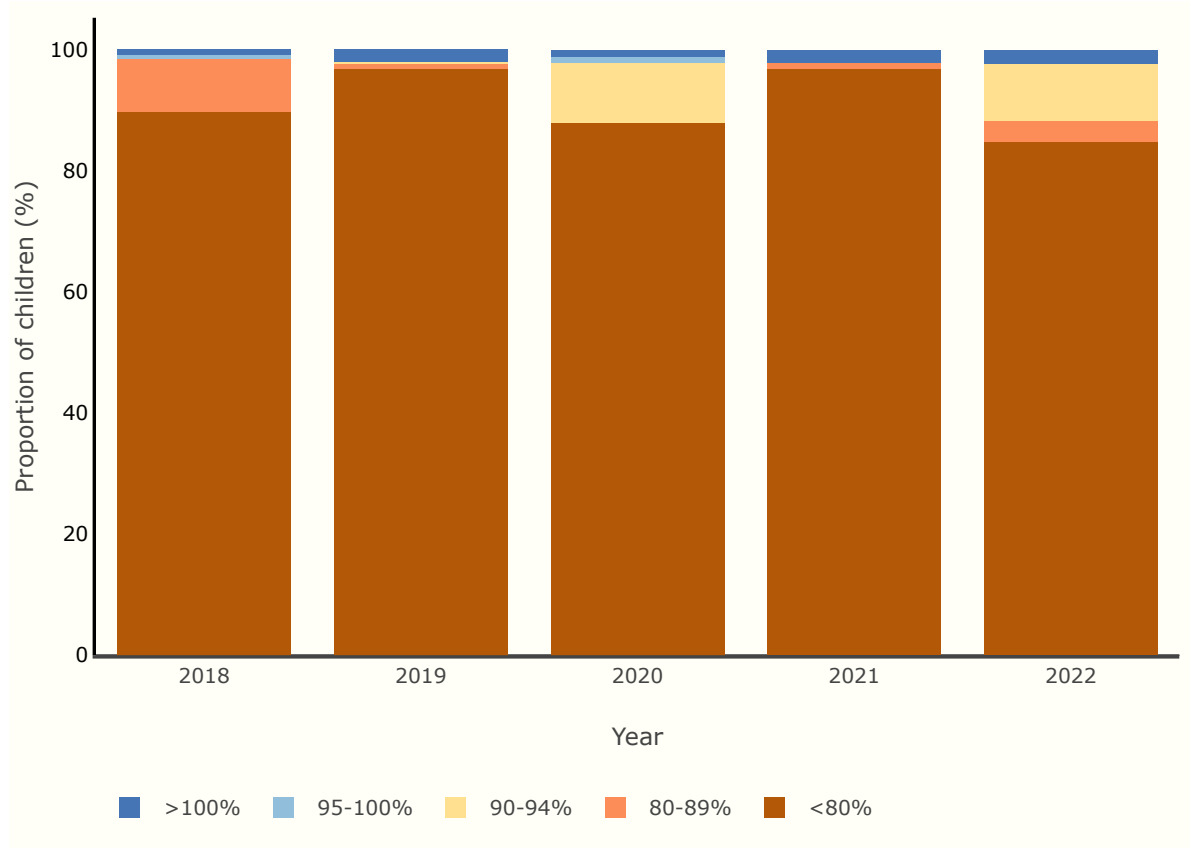ranges, 2018-2022.

Table 11: Proportion of municipalities with MMR1 and MMR2 coverage ranges and proportion
of children living in those municipalities, 2018-2022.

Year	Coverage range (%)	MMR1		MMR2	
		MMR1	MMR2	MMR1	MMR2
2022	<80	60.7	88.6	59.5	84.8
2022	80-89	10.0	3.6	9.4	3.6
2022	90-94	4.3	2.1	7.9	9.3
2022	95-100	4.3	0.0	2.7	0.0
2022	>100	20.7	5.7	20.4	2.3
2021	<80	60.0	92.0	61.0	97.0
2021	80-89	10.0	3.0	17.0	1.0
2021	90-94	4.0	0.0	4.0	0.0

2021	95-100	2.0	0.0	4.0	0.0
2021	>100	24.0	5.0	12.0	2.0
2020	<80	52.0	92.0	41.0	88.0
2020	80-89	11.0	1.0	16.0	0.0
2020	90-94	4.0	4.0	5.0	10.0
2020	95-100	7.0	1.0	13.0	1.0
2020	>100	26.0	2.0	26.0	1.0
2019	<80	70.7	94.3	65.5	96.9
2019	80-89	7.1	1.4	7.5	0.9
2019	90-94	5.0	0.7	7.3	0.3
2019	95-100	4.3	0.0	11.8	0.0
2019	>100	12.9	3.6	7.9	2.0
2018	<80	70.0	97.1	63.7	89.8
2018	80-89	10.0	0.7	10.6	8.8
2018	90-94	2.9	0.0	3.3	0.0
2018	95-100	5.0	0.7	3.5	0.6
2018	>100	12.1	1.4	19.0	0.9

References

Section	Sources
General Information	[1] United Nations, Department of Economic and Social Affairs, Population Division (2022). World Population Prospects 2022, Online Edition. [2] Country reports through the electronic PAHO-WHO/UNICEF Joint Reporting Form (eJRF).
Epidemiology and Quality of Surveillance	[3] Integrated Surveillance Information System (ISIS) and country reports to CIM/PAHO. [2] Country reports through the electronic PAHO-WHO/UNICEF Joint Reporting Form (eJRF).
Laboratory Surveillance	[3] Integrated Surveillance Information System (ISIS) and country reports to CIM/PAHO.
Analysis of Vaccination Coverage and Population Cohorts	[2] Country reports through the electronic PAHO-WHO/UNICEF Joint Reporting Form (eJRF).

Update dates

The latest update dates for this country profile are shown below. Note that the **_Year of data_** reflects the year up to which the data are available, while the **_Latest update date_** reflects the date on which any amends, modifications and/or withdrawals of data from member countries or territories was performed.

Data	Year of data	Latest update date
Surveillance	2023	2024-10-16
Coverage	2023	2024-10-03