

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

Honduras

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).

General Information

Table 1: Demographic data, 2022.

Demographic group	Population
1 year of age	213,231
Total population	10,432,883

Table 2: Last endemic cases by year and disease.

Measles	Rubella	CRS
1997	2004	2001

Table 3: Vaccination schedule.

Vaccine	1st Dose	2nd Dose	MMR2 Year Introduced
MMR	12 mo	18 mo	2018

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
2016	MMR	1-4 years	735,076	95.8	32,224	2021

Epidemiology and Quality of Surveillance

Figure 1: Distribution of suspected MR cases and notification rate at the national level, 2018-2022.

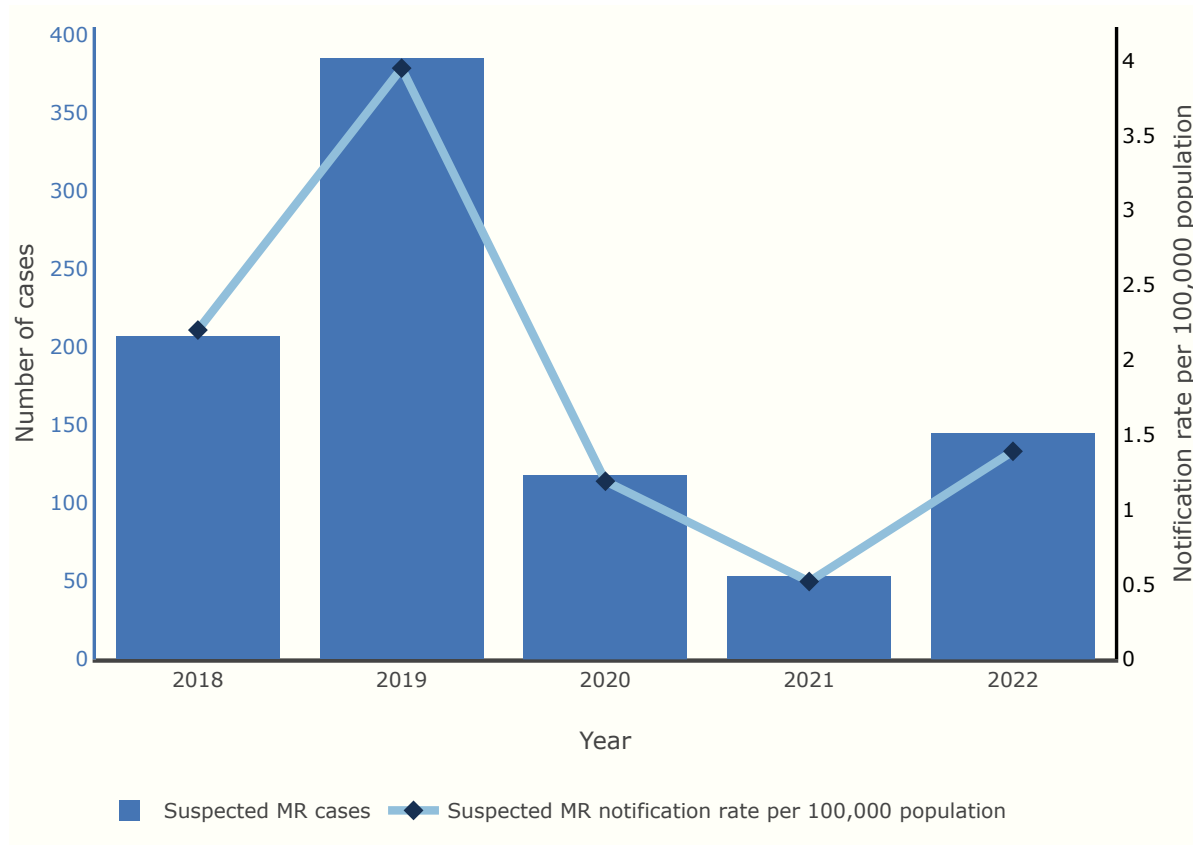


Table 5: Distribution of suspected MR cases and notification rate at the national level, 2018-2022.

	2018	2019	2020	2021	2022
Suspected MR cases	207	385	118	53	145
Suspected MR notification rate per 100,000 population	2.2	3.95	1.19	0.52	1.39

Figure 2: Distribution of suspected CRS cases and notification rate at the national level, 2018-2022.

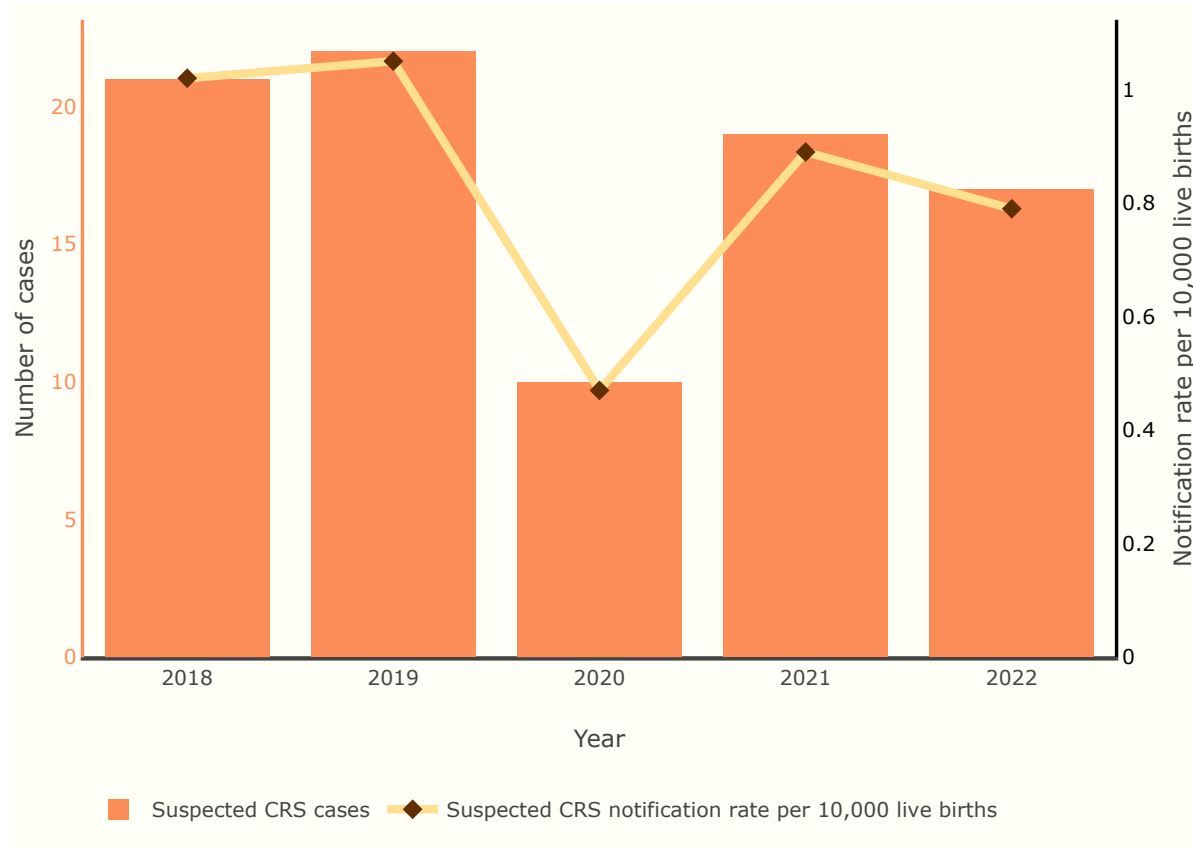


Table 6: Distribution of suspected CRS cases and notification rate at the national level, 2018-2022.

	2018	2019	2020	2021	2022
Suspected CRS cases	21	22	10	19	17
Suspected CRS notification rate per 10,000 live births	1.02	1.05	0.47	0.89	0.79

Figure 3: Reported cases of measles and rubella by epidemiological week and final classification: confirmed, discarded and under investigation, 2018-2022.

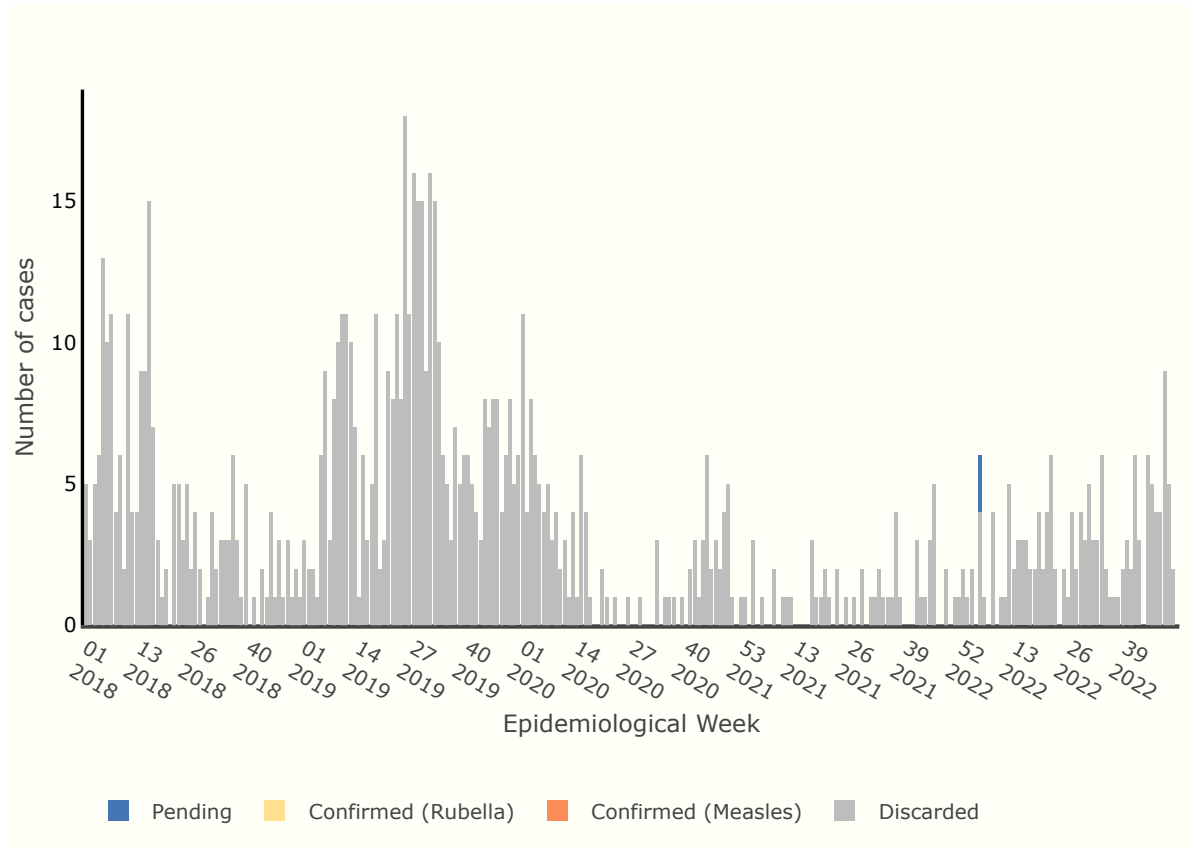


Figure 4: Number of measles and rubella cases by epidemiological year pending final classification, 2018-2022.

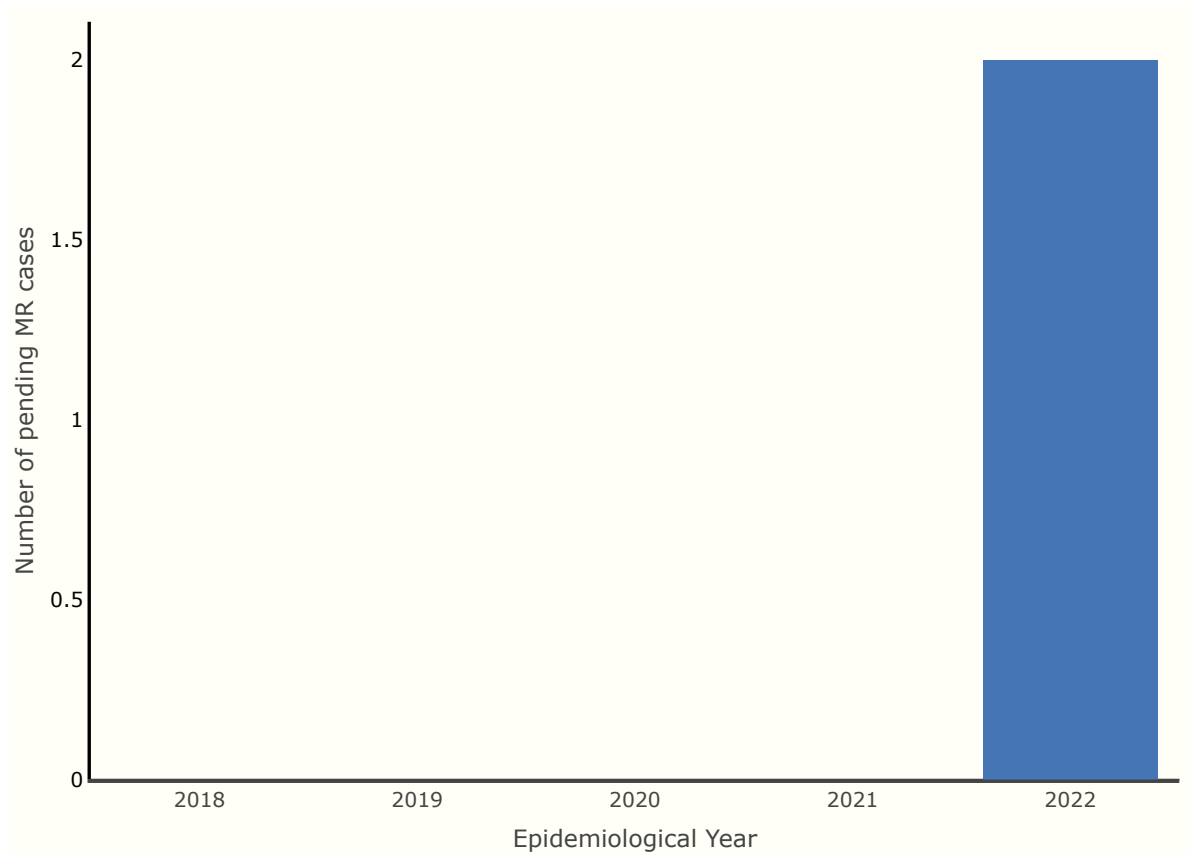


Table 7: Reported cases of measles and rubella by epidemiological year and final classification, 2018-2022.

Classification	2018	2019	2020	2021	2022
Confirmed (Measles)	0	0	0	0	0
Confirmed (Rubella)	0	0	0	0	0
Pending	0	0	0	0	2
Discarded	207	385	118	53	143
Total	207	385	118	53	145

Figure 5: Distribution of reported measles and rubella cases and incidence rate by age group, 2018-2022.

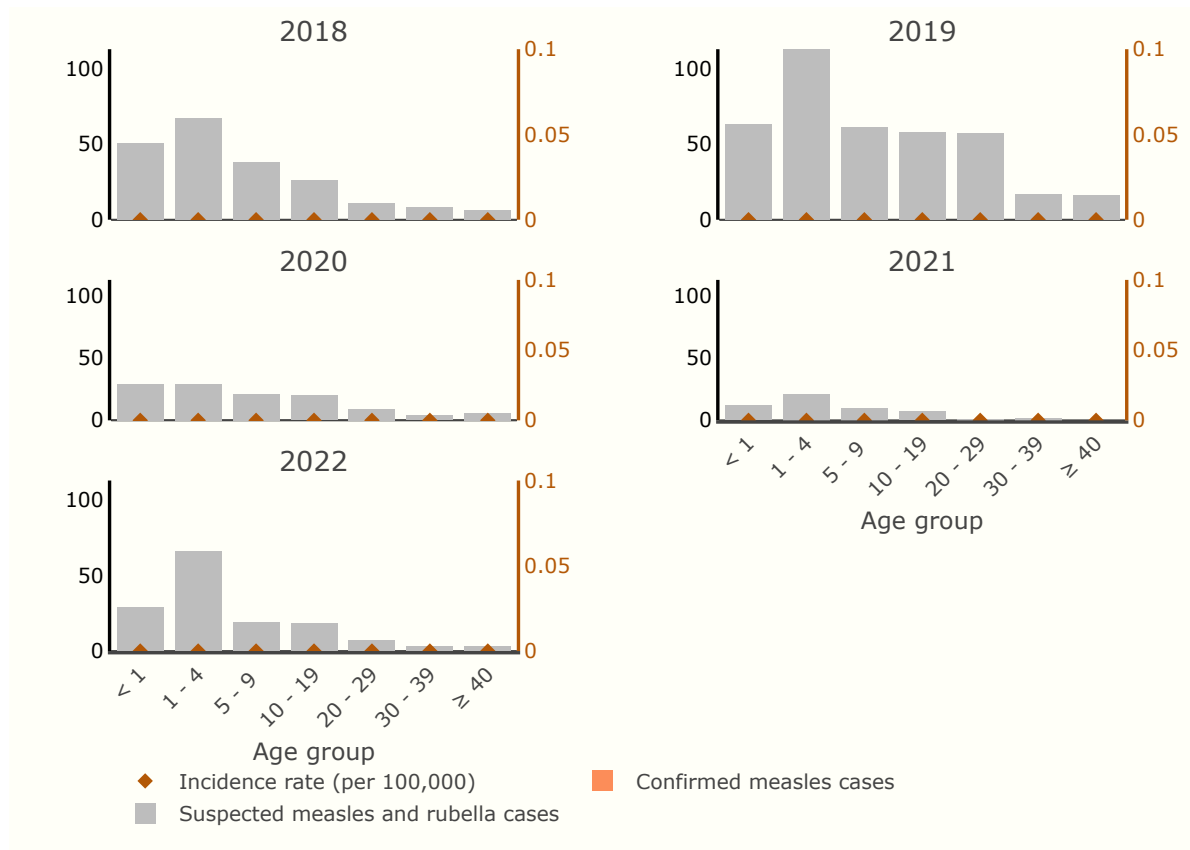


Figure 6: Performance indicators of measles and rubella surveillance by year, 2018-2022.

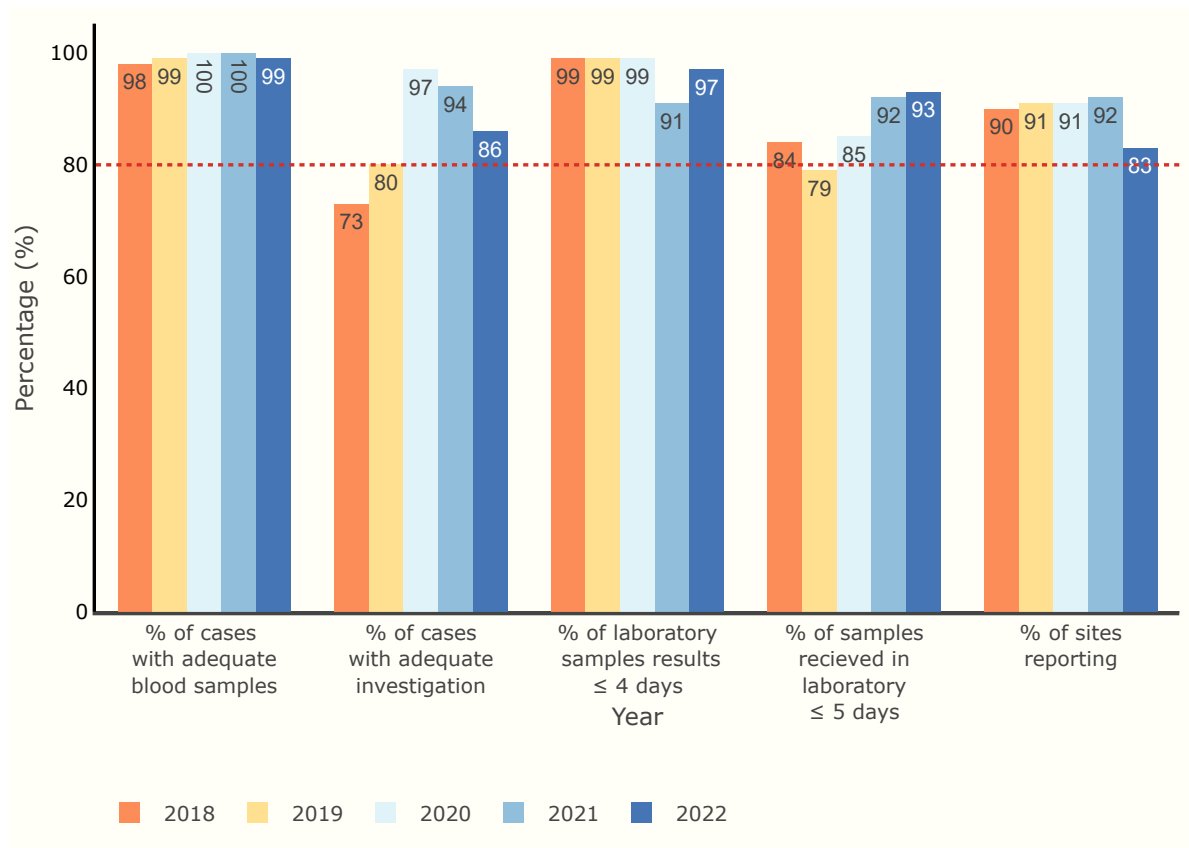


Figure 7: Proportion of the 11 variables reported for adequate investigation indicator, 2022.

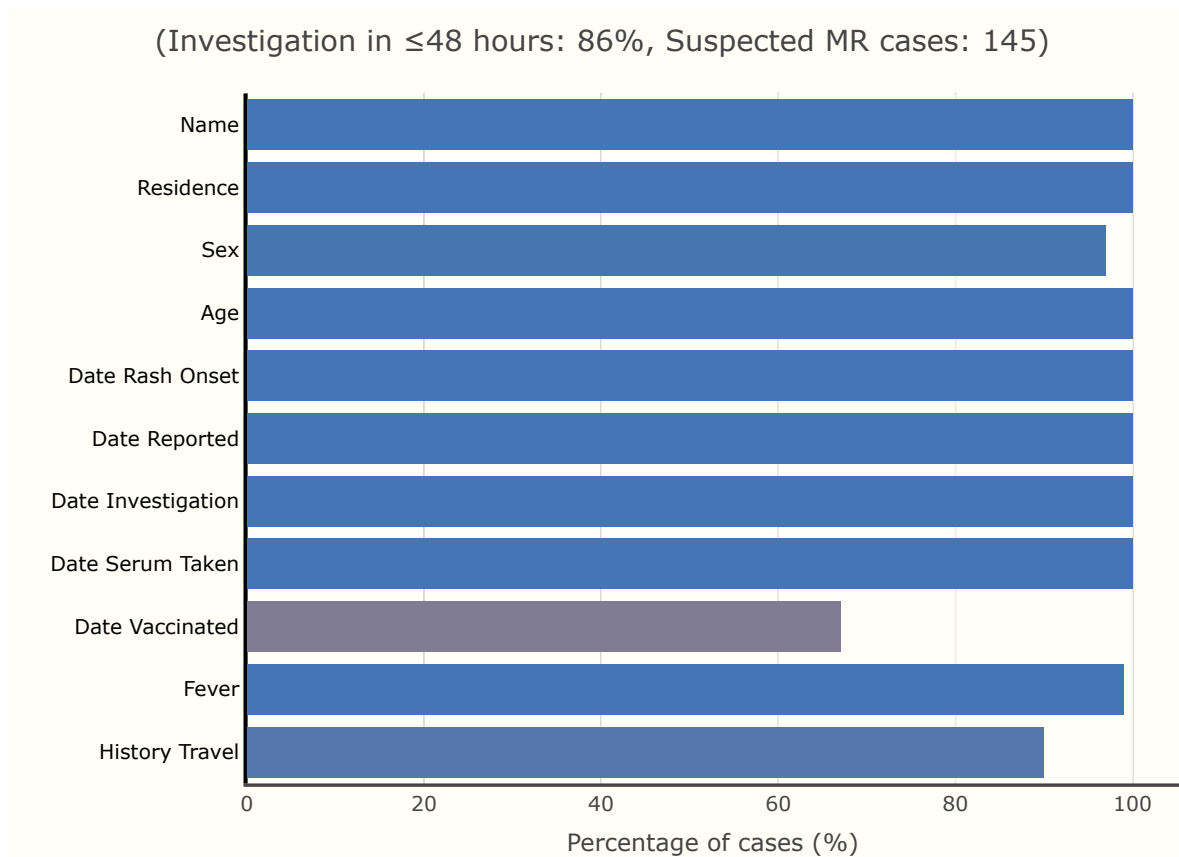


Table 8: Municipalities reporting measles and rubella suspected cases by year, 2018-2022.

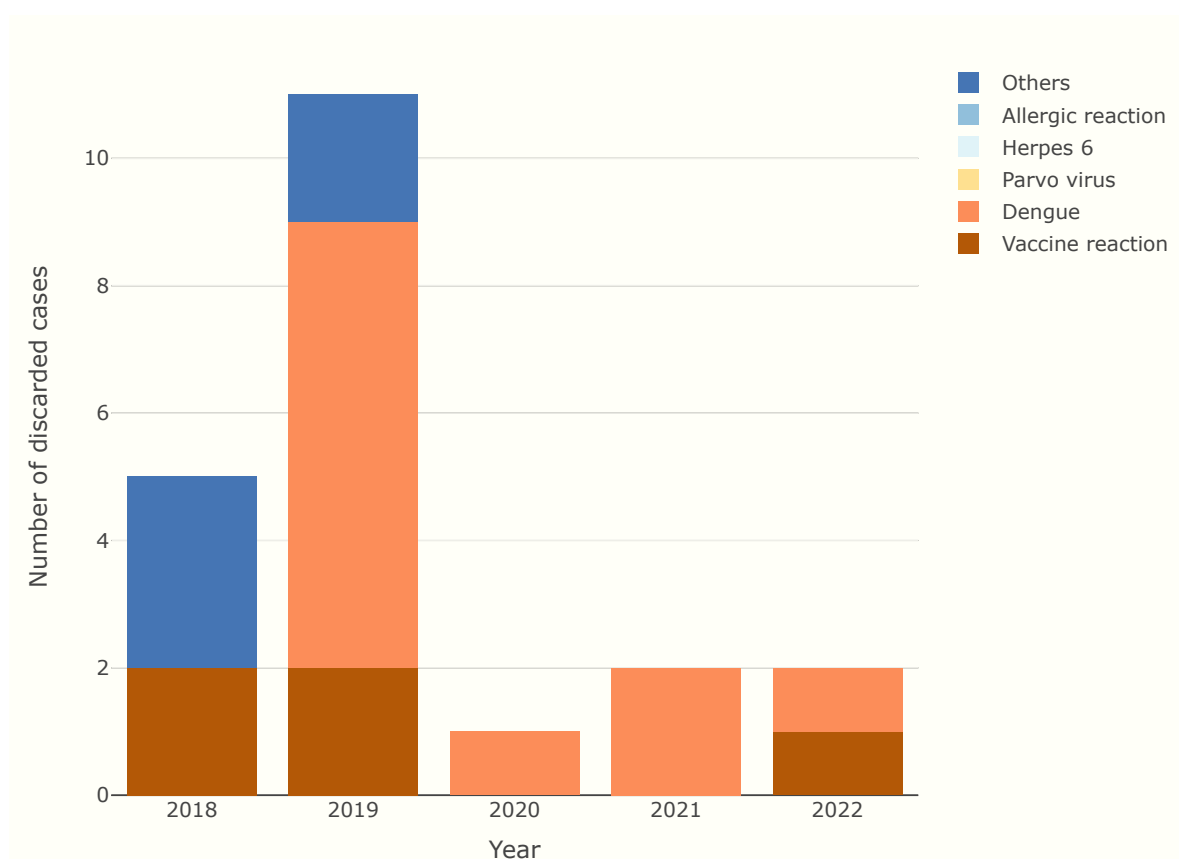
Year	No. of municipalities reporting suspected cases	Total municipalities in the country	% of municipalities reporting suspected cases
2018	76	298	26
2019	101	298	34
2020	37	298	12
2021	24	298	8
2022	66	298	22

Laboratory Surveillance

Table 9: Criteria used to discard suspected measles and rubella cases by year, 2018-2022.

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
2018	207	207	202	0	5	2	0	0	0	0	3
2019	385	385	374	0	11	2	7	0	0	0	2
2020	118	118	117	0	1	0	1	0	0	0	0
2021	53	53	51	0	2	0	2	0	0	0	0
2022	145	143	141	0	2	1	1	0	0	0	0

Figure 8: Distribution of discarded measles and rubella suspected cases by other differential diagnosis, 2018-2022.



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, 2018-2022.

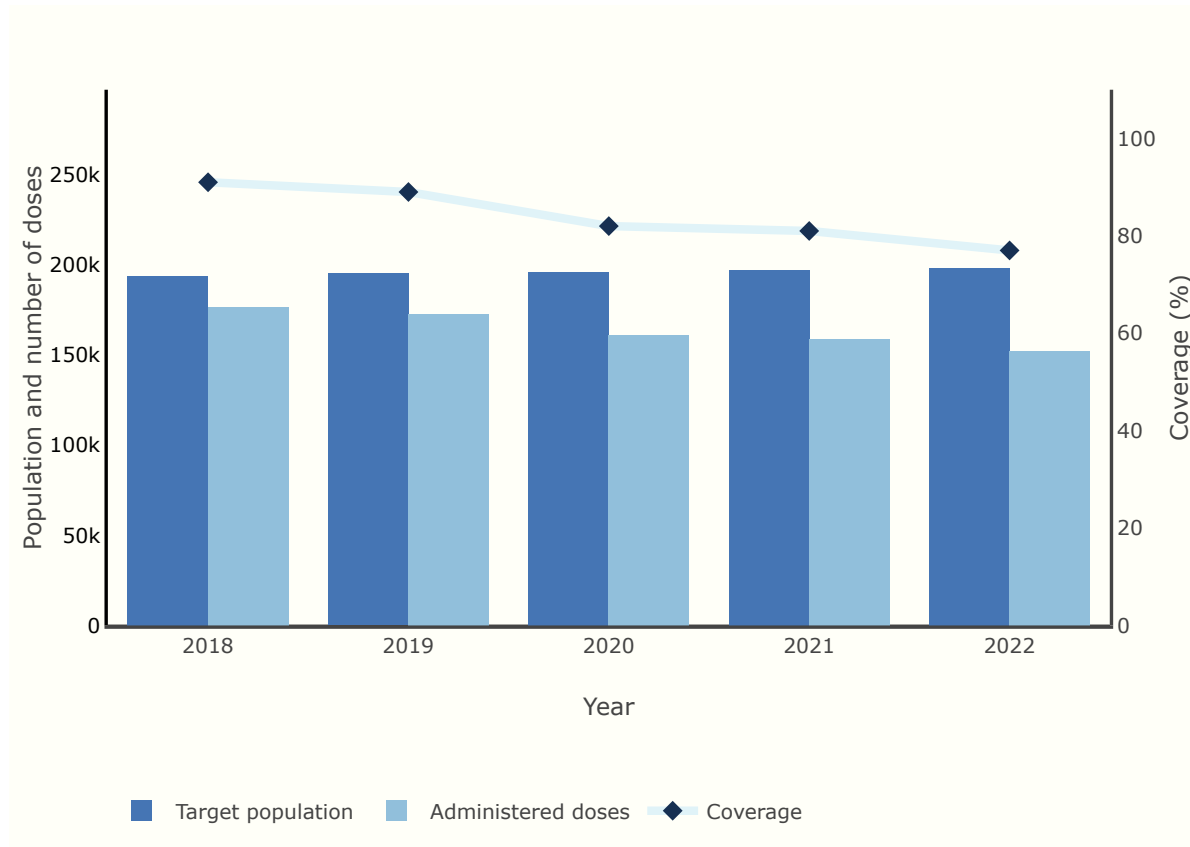


Figure 10: Coverage of the second dose of measles-mumps-rubella (MMR2) vaccine, number of doses administered, and number of children 18 month(s) of age, 2018-2022.

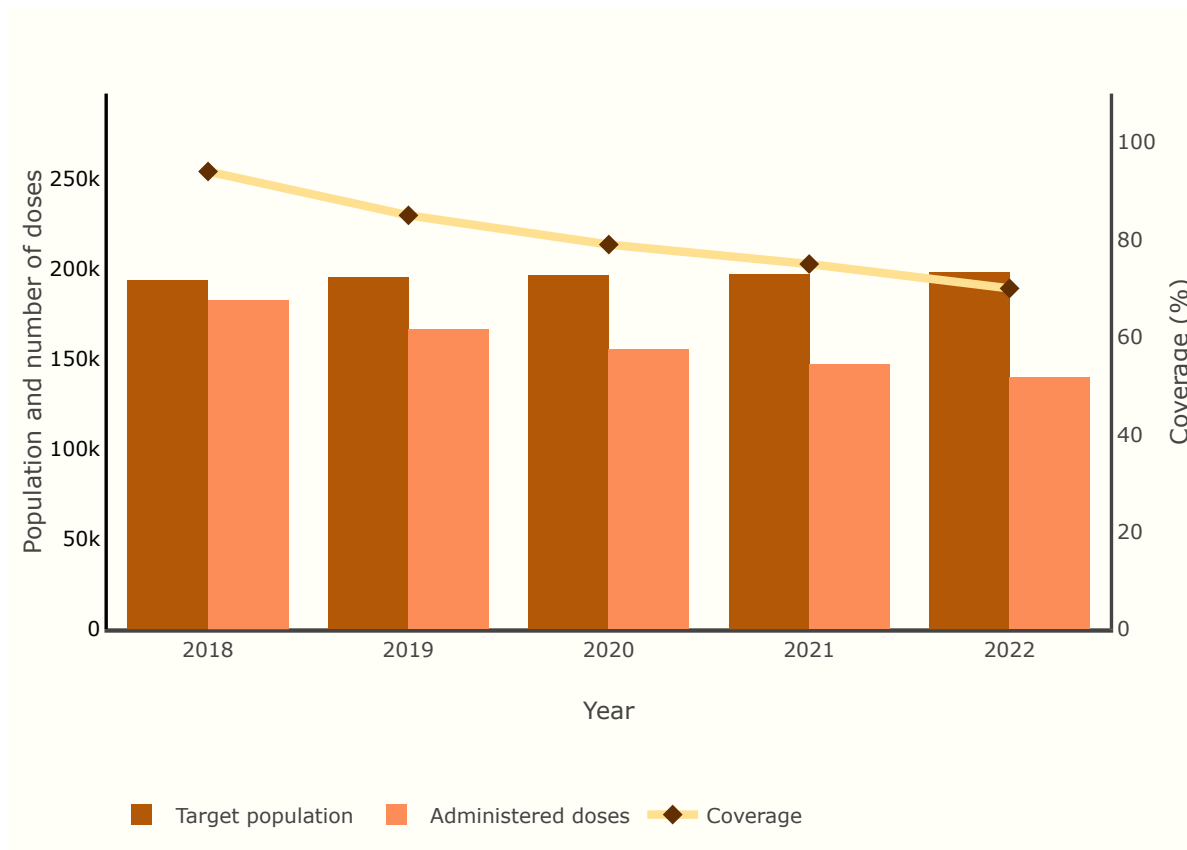


Table 10: Vaccination coverage with first and second dose of measles-mumps-rubella (MMR1 and MMR2) vaccines by target population and administered doses, 2018-2022.

Year	MMR1			MMR2		
	Administered doses	Target population	Coverage	Administered doses	Target population	Coverage
2018	176,632	194,037	91	182,866	194,037	94
2019	173,085	195,399	89	166,481	195,399	85
2020	161,411	196,447	82	155,272	196,447	79
2021	159,035	197,194	81	147,138	197,194	75
2022	152,385	198,306	77	139,742	198,306	70

Figure 11: Subnational coverage of the first dose of measles-mumps-rubella (MMR1) vaccine and proportion of children aged 1 year, 2021

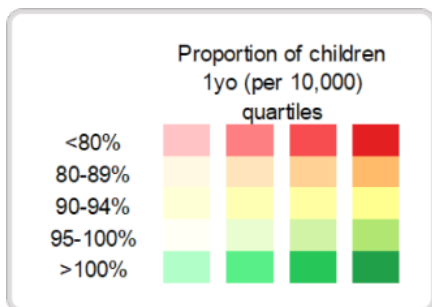
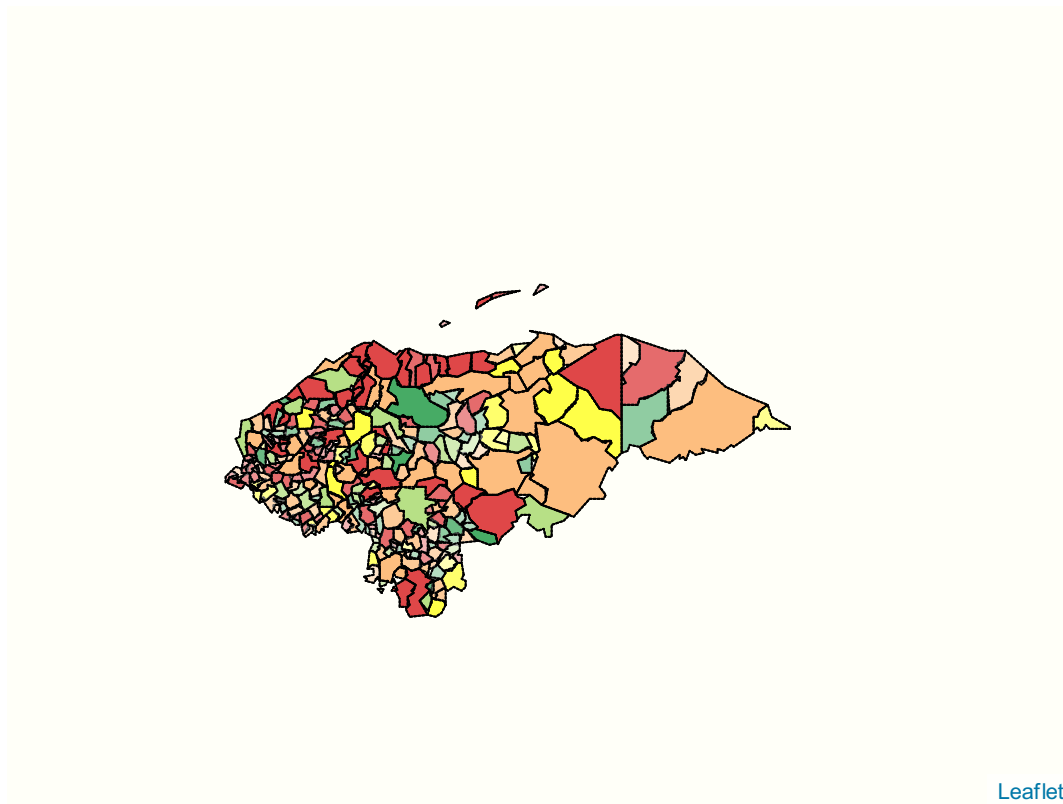


Figure 12: Proportion of municipalities by MMR1 vaccination coverage ranges, 2018-2022.

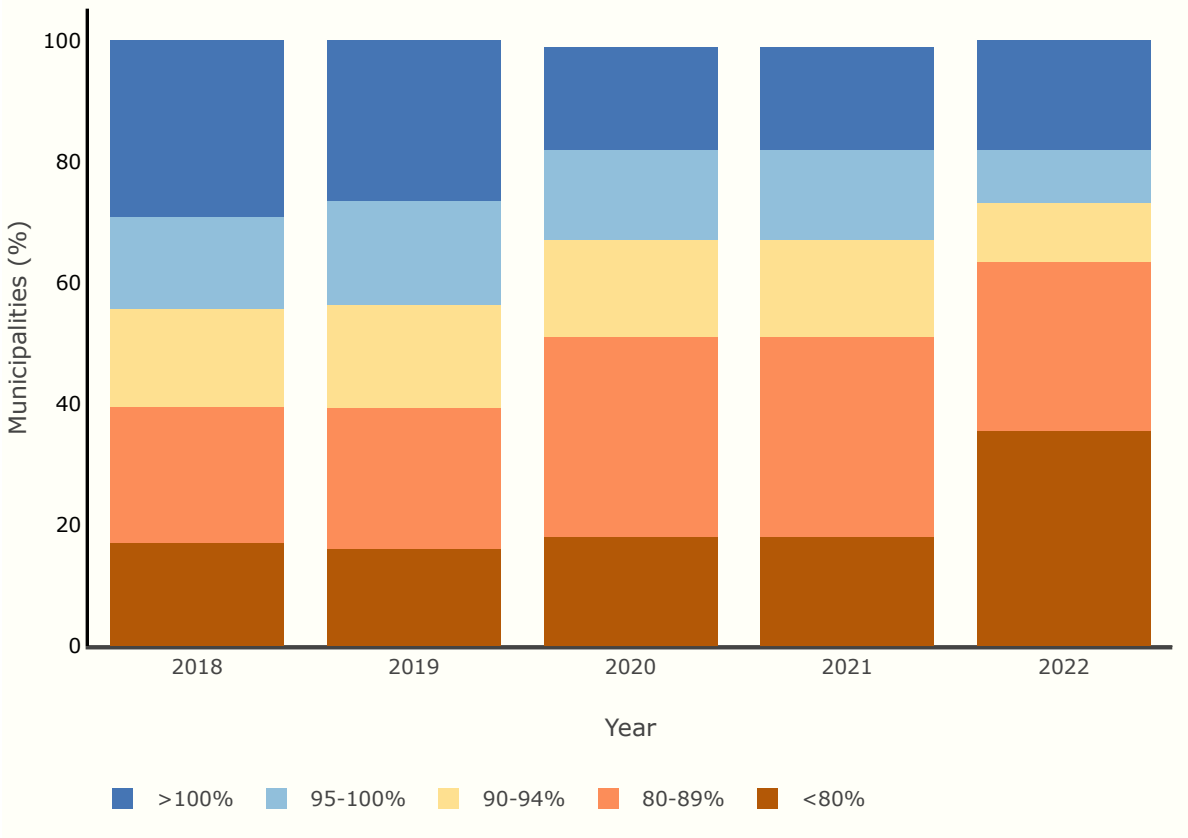


Figure 13: Proportion of children living in those municipalities for MMR1 vaccination coverage ranges, 2018-2022.

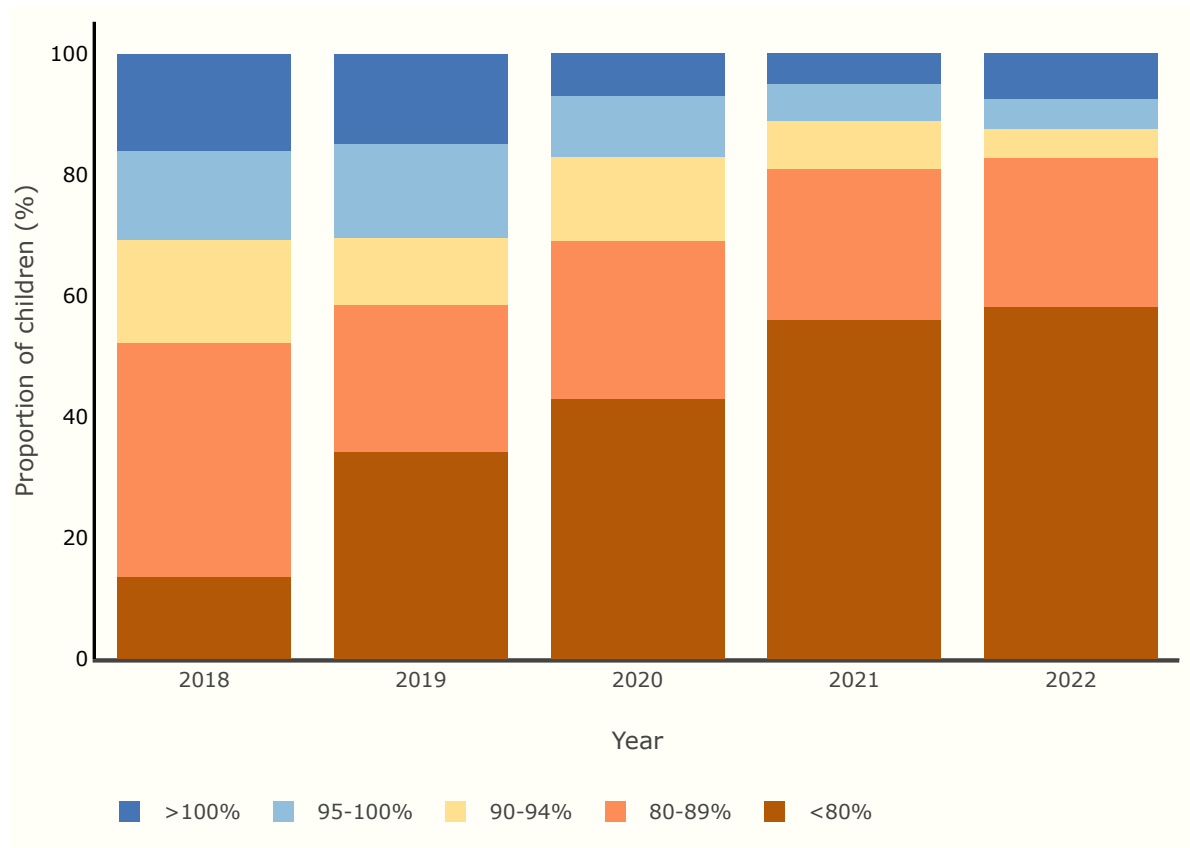


Figure 14: Proportion of municipalities by MMR2 vaccination coverage ranges, 2018-2022.

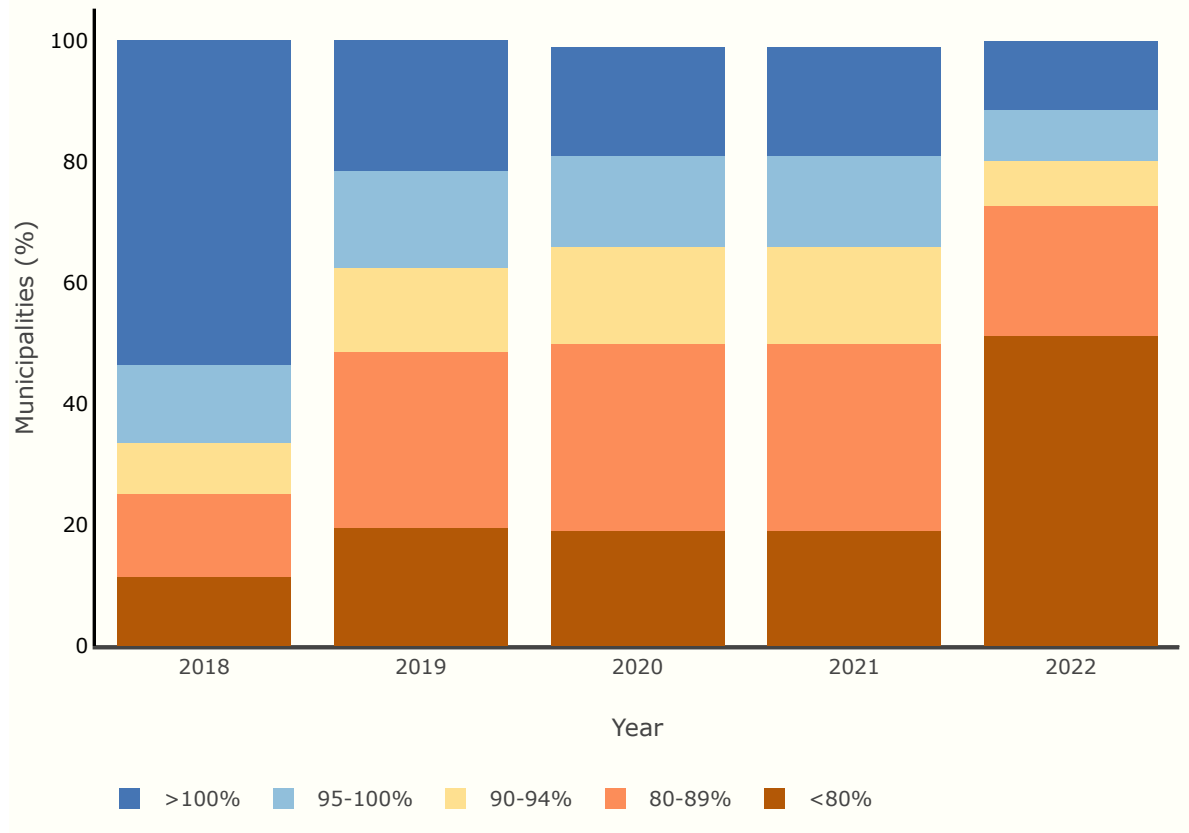


Figure 15: Proportion of children living in those municipalities for MMR2 vaccination coverage ranges, 2018-2022.

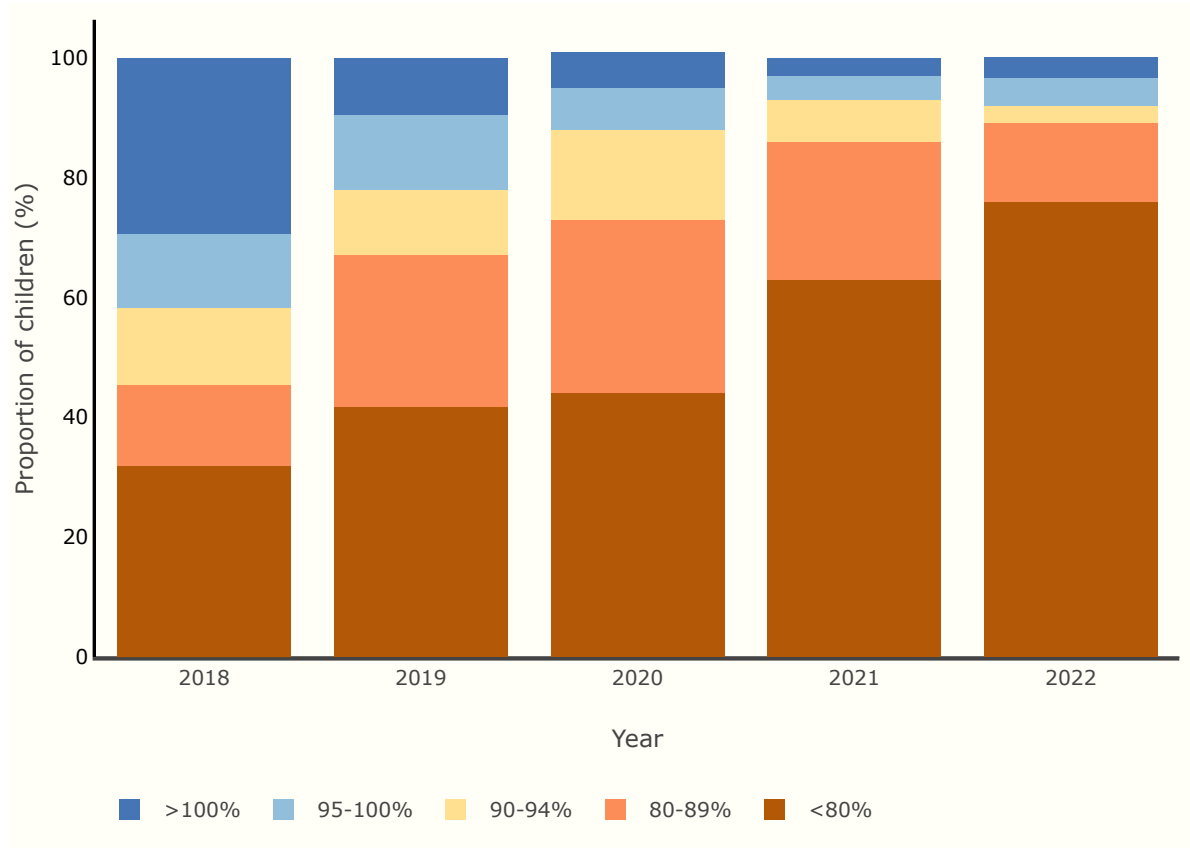


Table 11: Proportion of municipalities with MMR1 and MMR2 coverage ranges and proportion of children living in those municipalities, 2018-2022.

Year	Coverage range (%)	MMR1		MMR2	
		MMR1	MMR2	MMR1	MMR2
2022	<80	35.6	51.3	58.2	76.0
2022	80-89	27.9	21.5	24.7	13.1
2022	90-94	9.7	7.4	4.8	2.8
2022	95-100	8.7	8.4	4.8	4.8
2022	>100	18.1	11.4	7.5	3.4
2021	<80	18.0	19.0	56.0	63.0
2021	80-89	33.0	31.0	25.0	23.0
2021	90-94	16.0	16.0	8.0	7.0

2021	95-100	15.0	15.0	6.0	4.0
2021	>100	17.0	18.0	5.0	3.0
2020	<80	18.0	19.0	43.0	44.0
2020	80-89	33.0	31.0	26.0	29.0
2020	90-94	16.0	16.0	14.0	15.0
2020	95-100	15.0	15.0	10.0	7.0
2020	>100	17.0	18.0	7.0	6.0
2019	<80	16.1	19.5	34.2	41.8
2019	80-89	23.2	29.2	24.4	25.3
2019	90-94	17.1	13.8	11.1	10.9
2019	95-100	17.1	16.1	15.4	12.5
2019	>100	26.5	21.5	14.8	9.5
2018	<80	17.1	11.4	13.7	31.9
2018	80-89	22.5	13.8	38.5	13.5
2018	90-94	16.1	8.4	17.1	12.9
2018	95-100	15.1	12.8	14.7	12.3
2018	>100	29.2	53.7	16.0	29.3

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).
