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

Trinidad & Tobago

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	17,730
Total population	1,531,065

Table 2: Last endemic cases by year and disease.

Measles	Rubella	CRS
1990	1997	1997

Table 3: Vaccination schedule.

Vaccine	1st Dose	2nd Dose	MMR2 Year Introduced
MMR	12 mo	2 yr	2001

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
2018	MMR	1 year - 10 years	1,376	27.52	NA	NA

Epidemiology and Quality of Surveillance

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

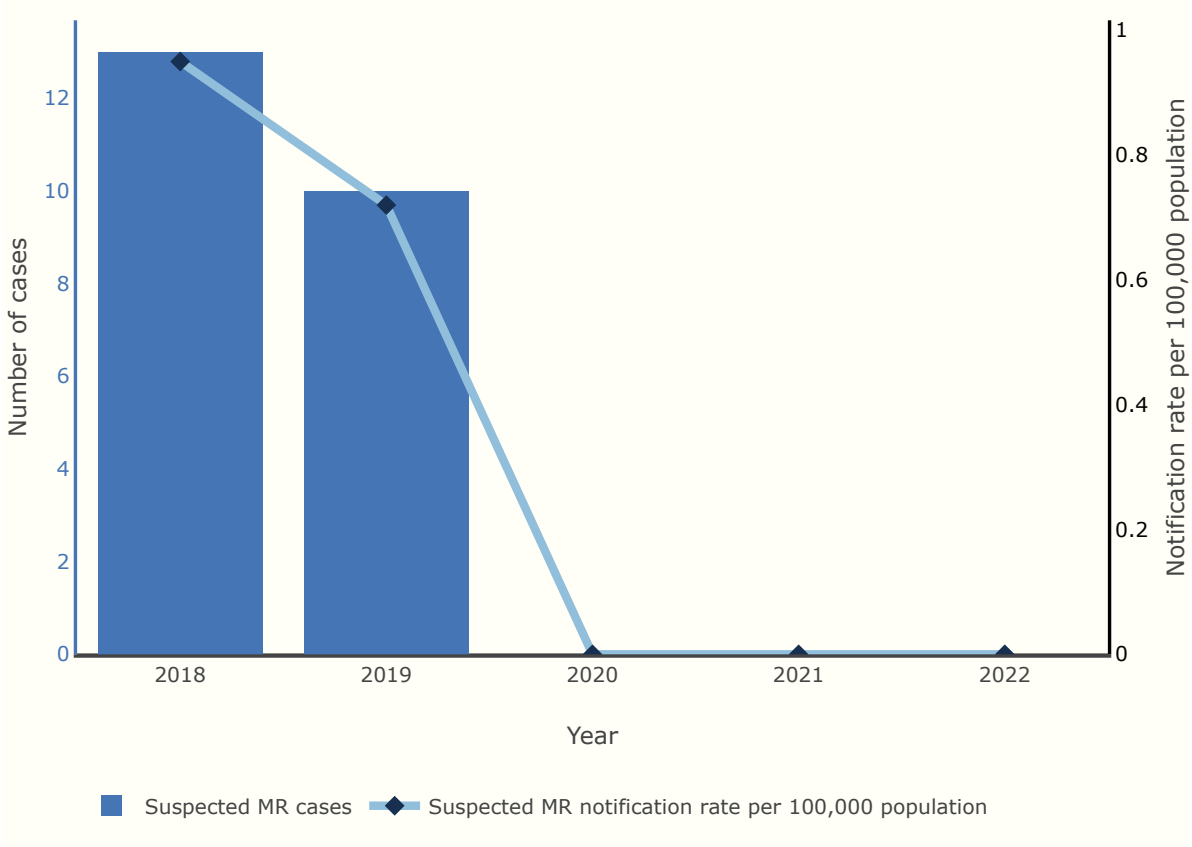


Table 5: Distribution of suspected MR cases and notification rate at the national level, 2018-2022.

	2018	2019	2020	2021	2022
Suspected MR cases	13	10	0	0	0
Suspected MR notification rate per 100,000 population	0.95	0.72	0	0	0

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

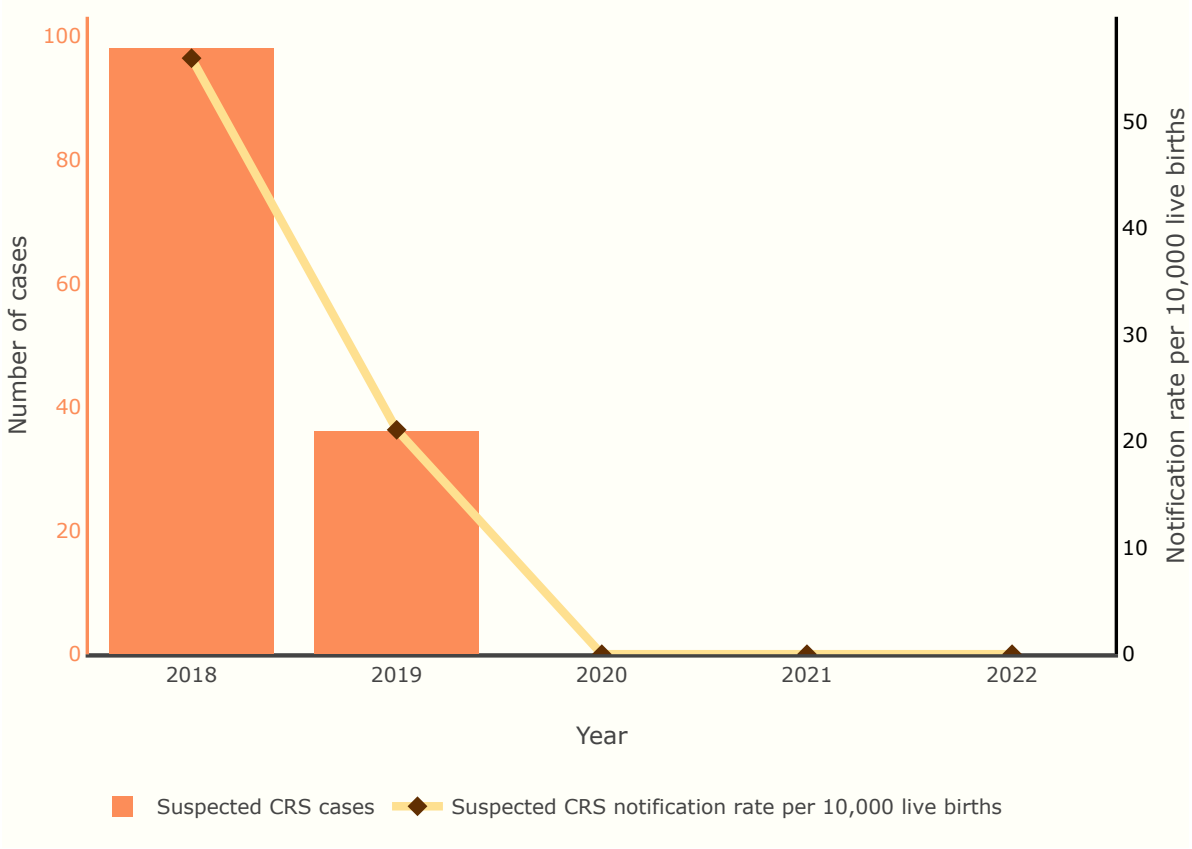


Table 6: Distribution of suspected CRS cases and notification rate at the national level, 2018-2022.

	2018	2019	2020	2021	2022
Suspected CRS cases	98	36	0	0	0
Suspected CRS notification rate per 10,000 live births	55.97	21.07	0	0	0

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

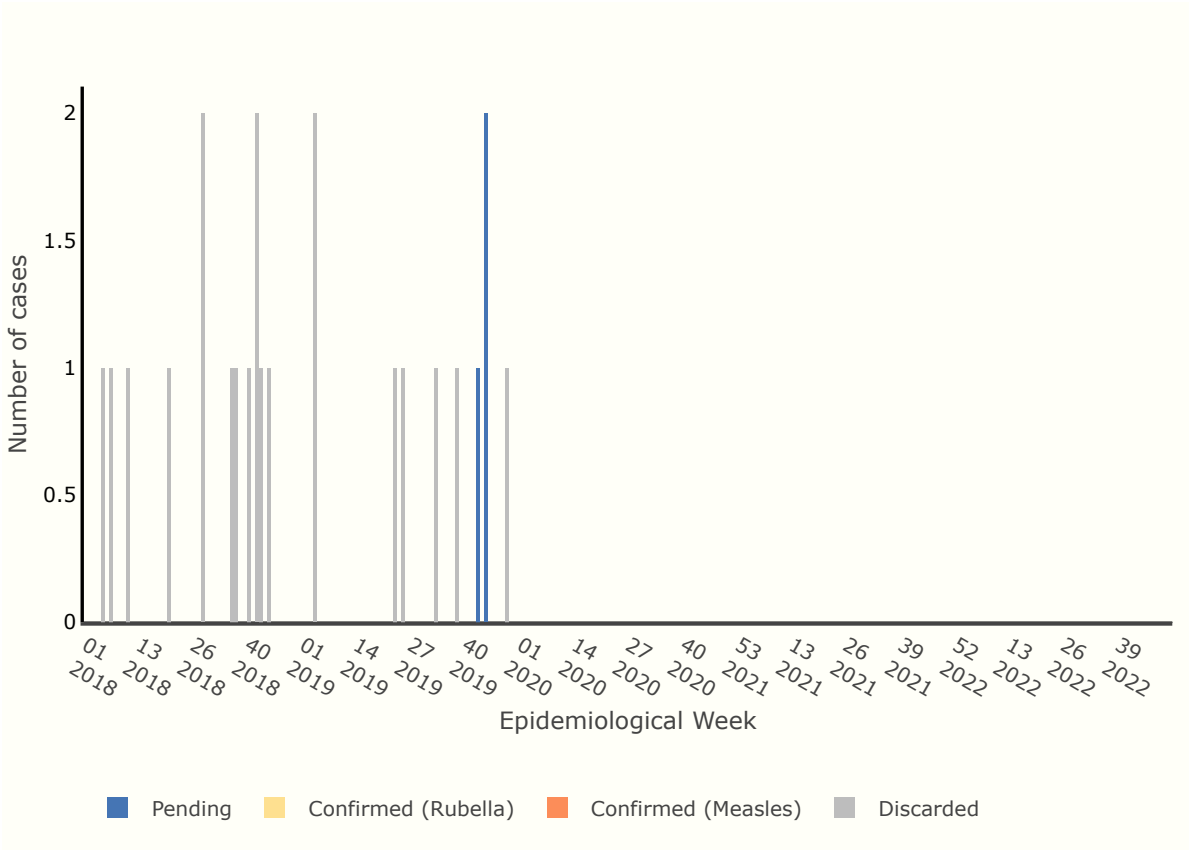


Figure 4: Number of measles and rubella cases by epidemiological year pending final classification, 2018-2022.

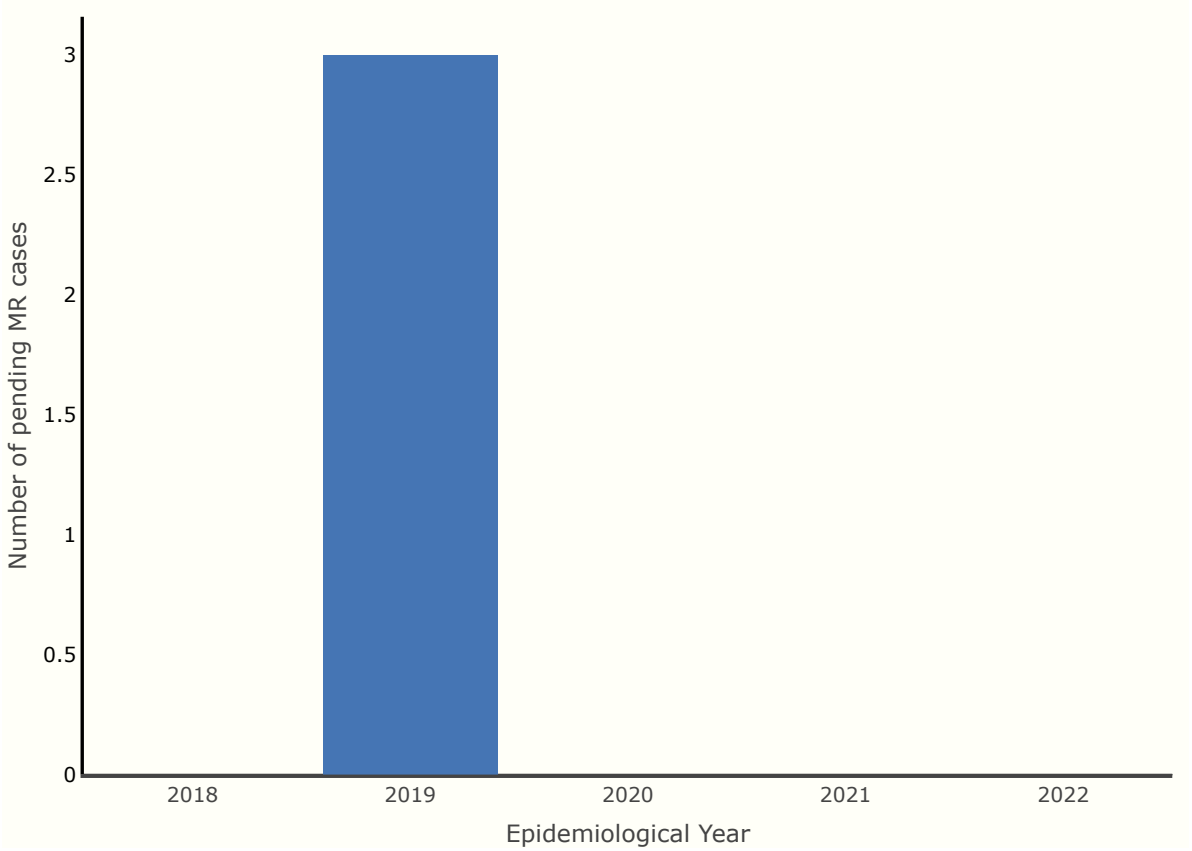


Table 7: Reported cases of measles and rubella by epidemiological year and final classification, 2018-2022.

Classification	2018	2019	2020	2021	2022
Confirmed (Measles)	0	0	0	0	0
Confirmed (Rubella)	0	0	0	0	0
Pending	0	3	0	0	0
Discarded	13	7	0	0	0
Total	13	10	0	0	0

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

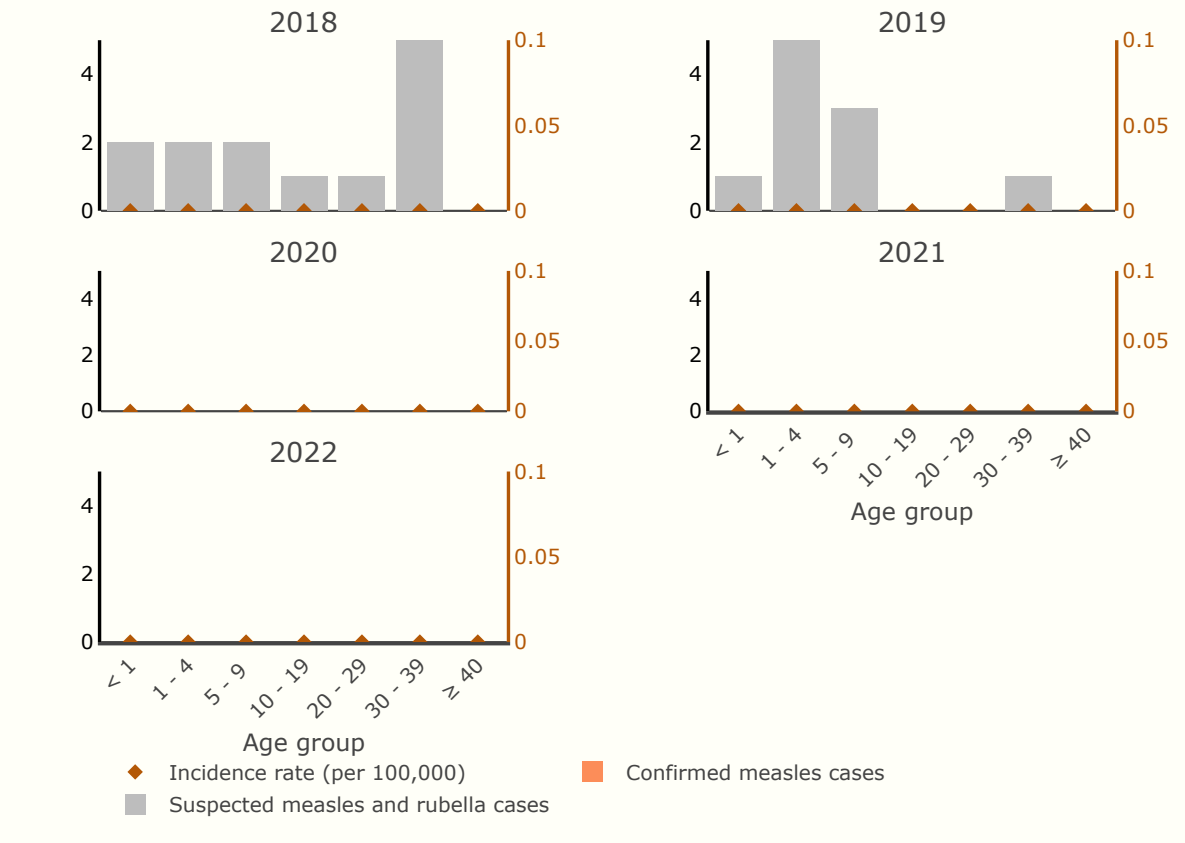


Figure 6: Performance indicators of measles and rubella surveillance by year, 2018-2022.

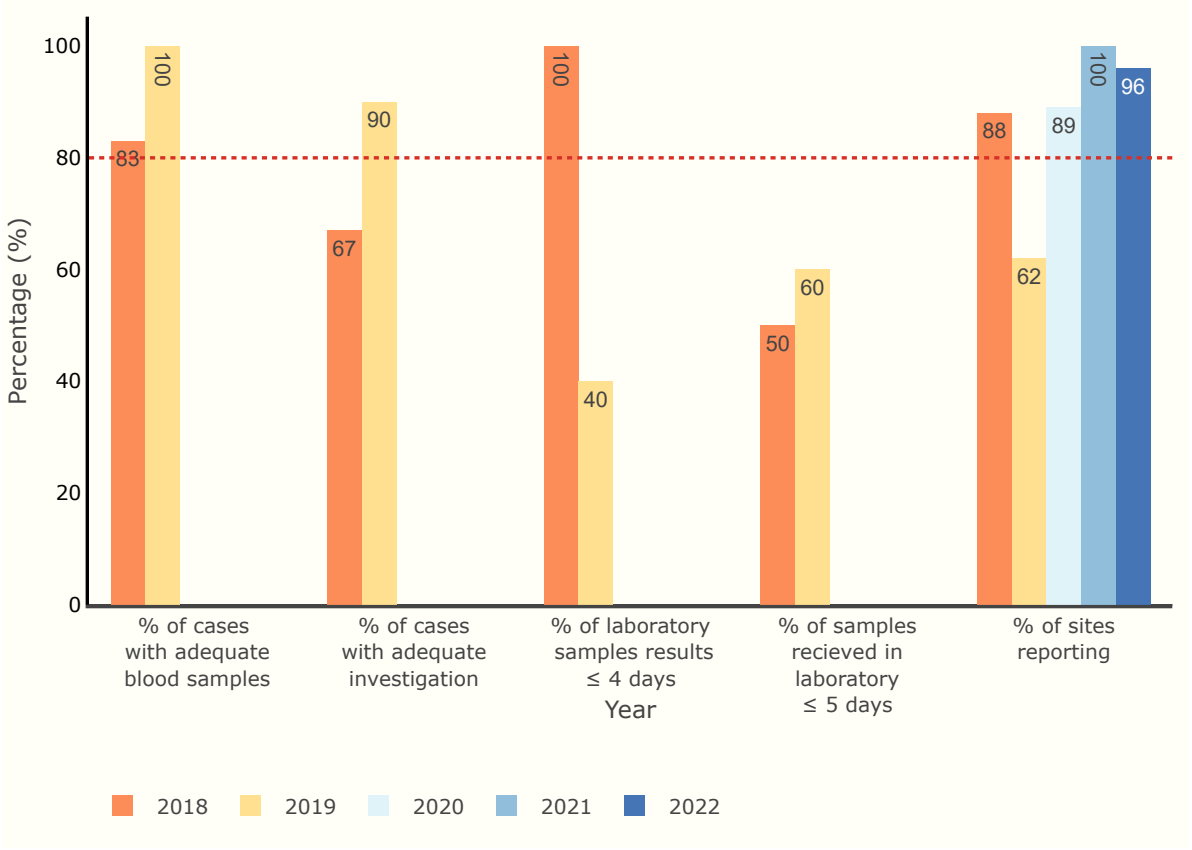


Table 8: Municipalities reporting measles and rubella suspected cases by year, 2018-2022.

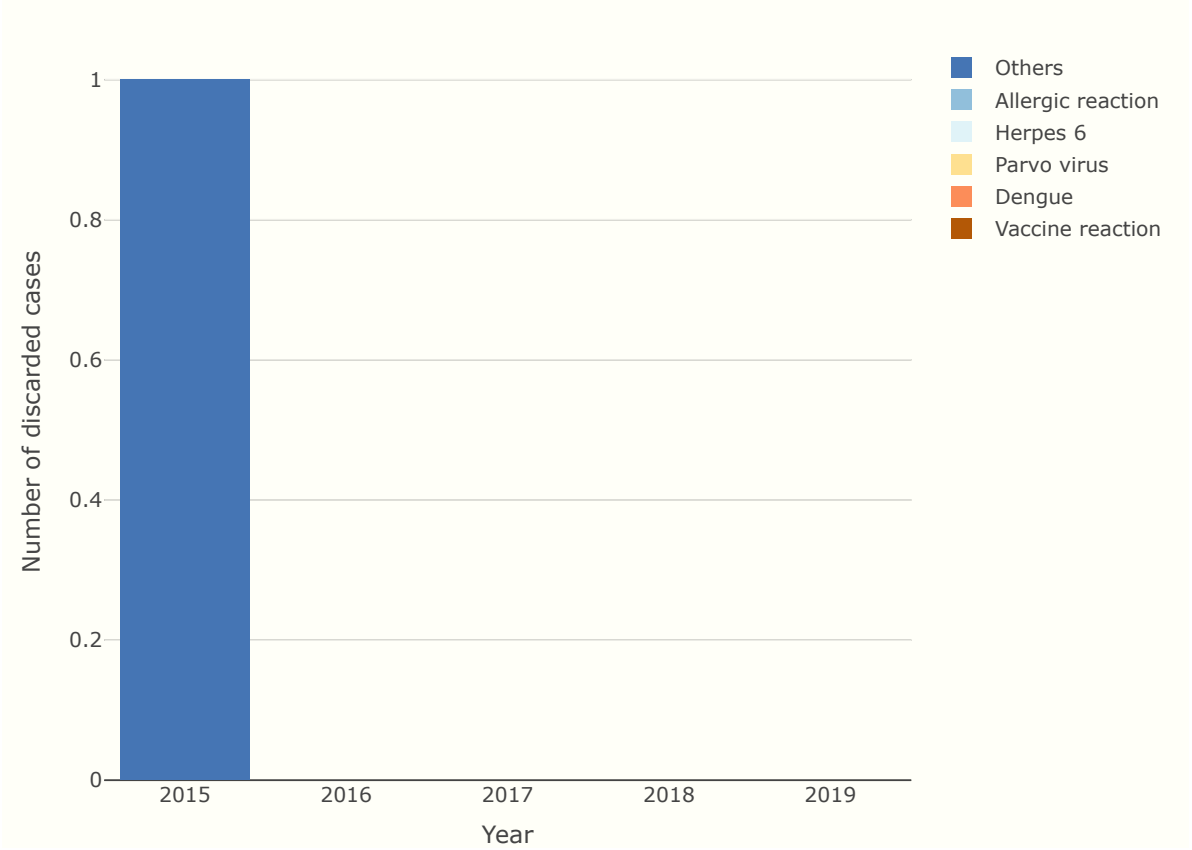
Year	No. of municipalities reporting suspected cases	Total municipalities in the country	% of municipalities reporting suspected cases
2018	7	9	78
2019	6	101	6
2020	0	101	0
2021	NA	9	NA
2022	0	9	0

Laboratory Surveillance

Table 9: Criteria used to discard suspected measles and rubella cases by year, 2015-2019.

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
2015	10	10	9	0	1	0	0	0	0	0	1
2016	14	14	14	0	0	0	0	0	0	0	0
2017	1	1	1	0	0	0	0	0	0	0	0
2018	13	13	13	0	0	0	0	0	0	0	0
2019	10	7	7	0	0	0	0	0	0	0	0

Figure 7: Distribution of discarded measles and rubella suspected cases by other differential diagnosis, 2015-2019.



Analysis of Vaccination Coverage and Population Cohorts

Figure 8: 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.

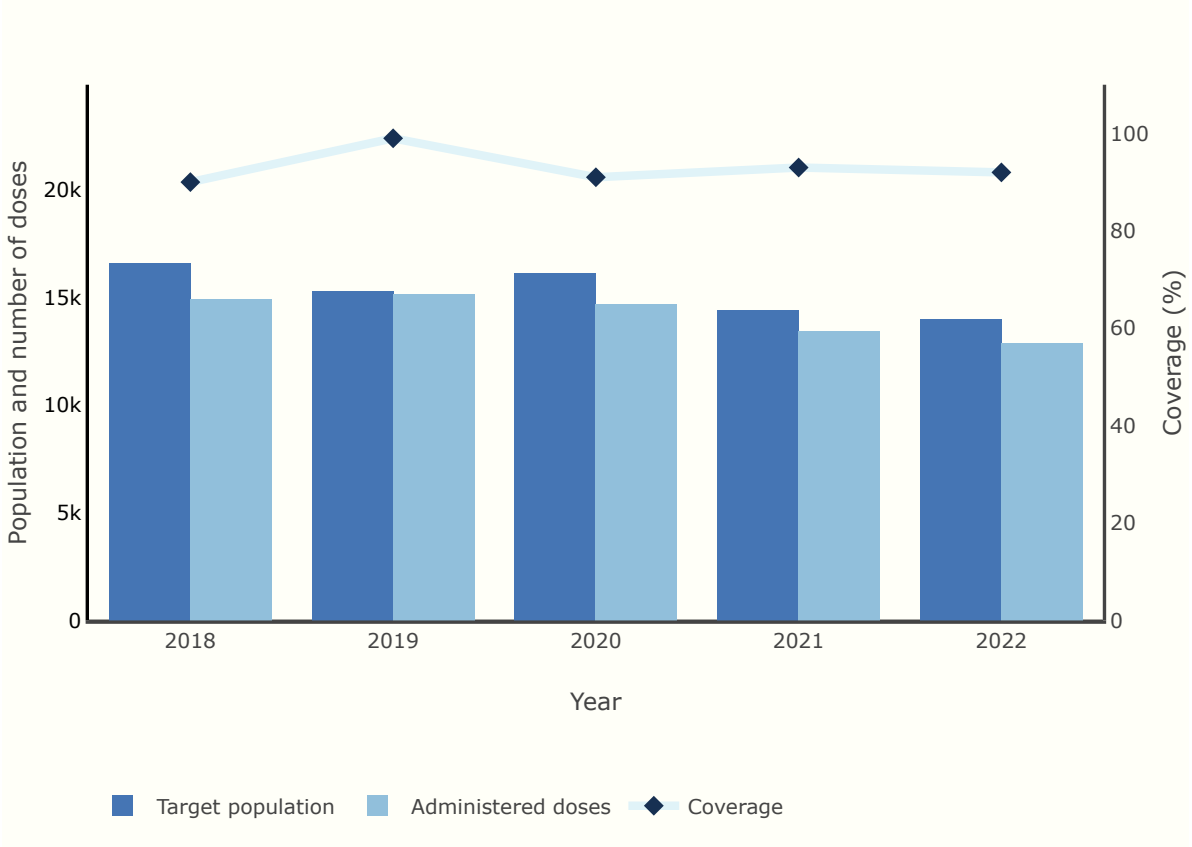


Figure 9: Coverage of the second dose of measles-mumps-rubella (MMR2) vaccine, number of doses administered, and number of children 2 year(s) of age, 2018-2022.

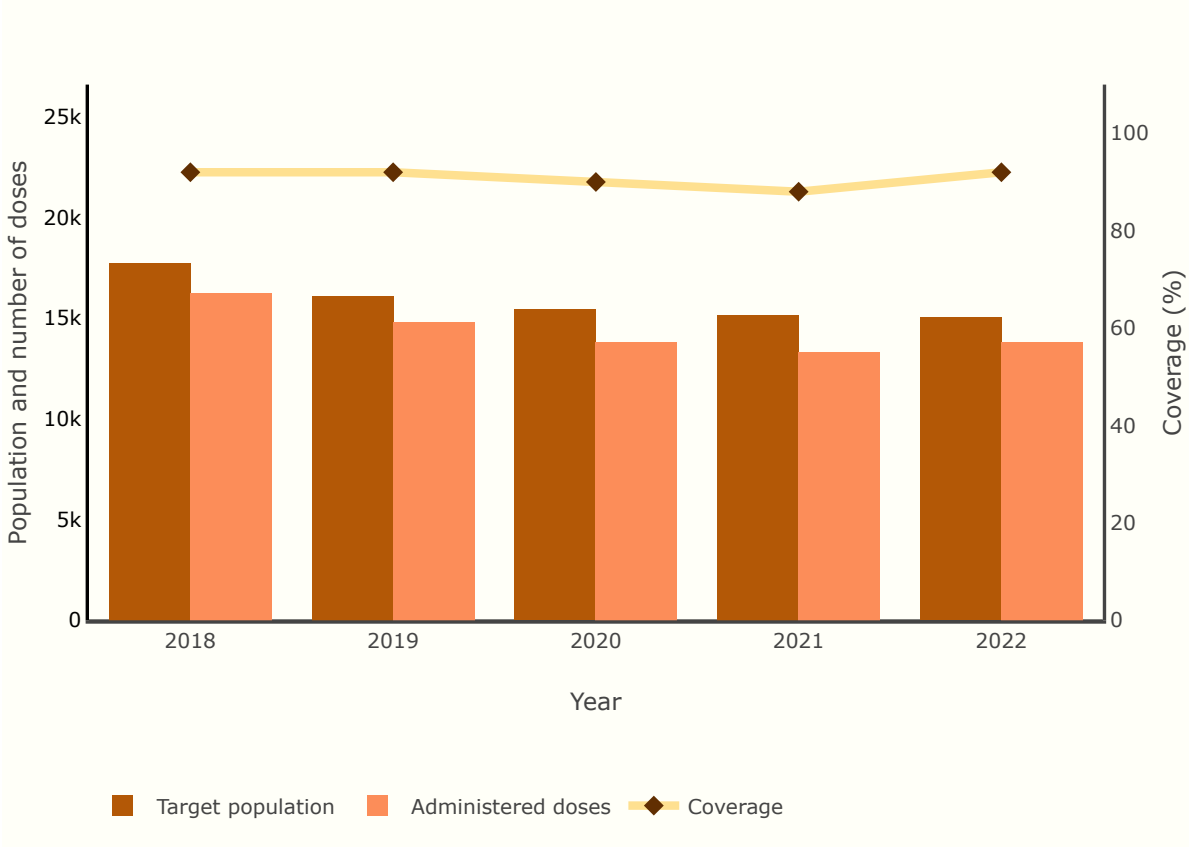


Table 10: Vaccination coverage with first and second dose of measles-mumps-rubella (MMR1 and MMR2) vaccines by target population and administered doses, 2018-2022.

	MMR1			MMR2		
Year	Administered doses	Target population	Coverage	Administered doses	Target population	Coverage
2018	14,930	16,593	90	16,266	17,736	92
2019	15,177	15,311	99	14,809	16,096	92
2020	14,695	16,134	91	13,828	15,443	90
2021	13,448	14,413	93	13,323	15,150	88
2022	12,892	14,000	92	13,824	15,045	92

Figure 10: Proportion of municipalities by MMR1 vaccination coverage ranges, 2018-2022.

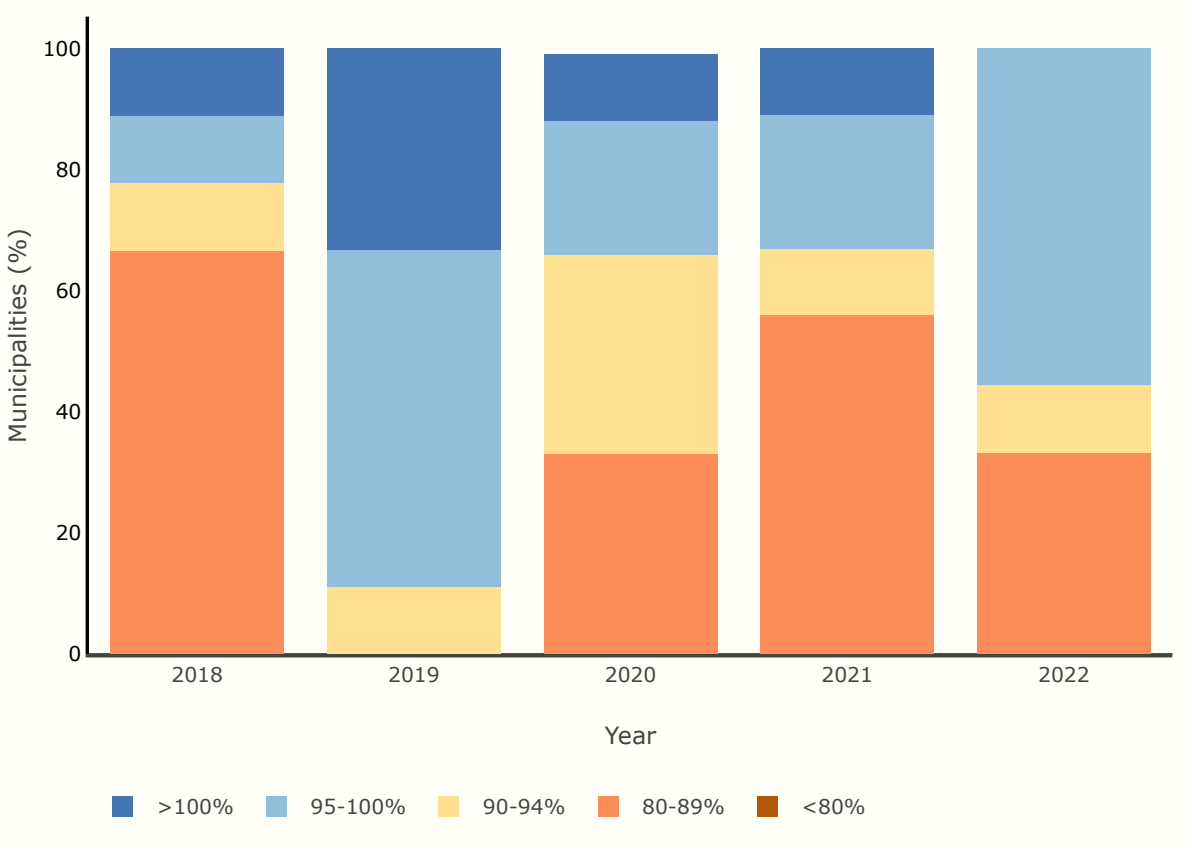


Figure 11: Proportion of children living in those municipalities for MMR1 vaccination coverage ranges, 2018-2022.

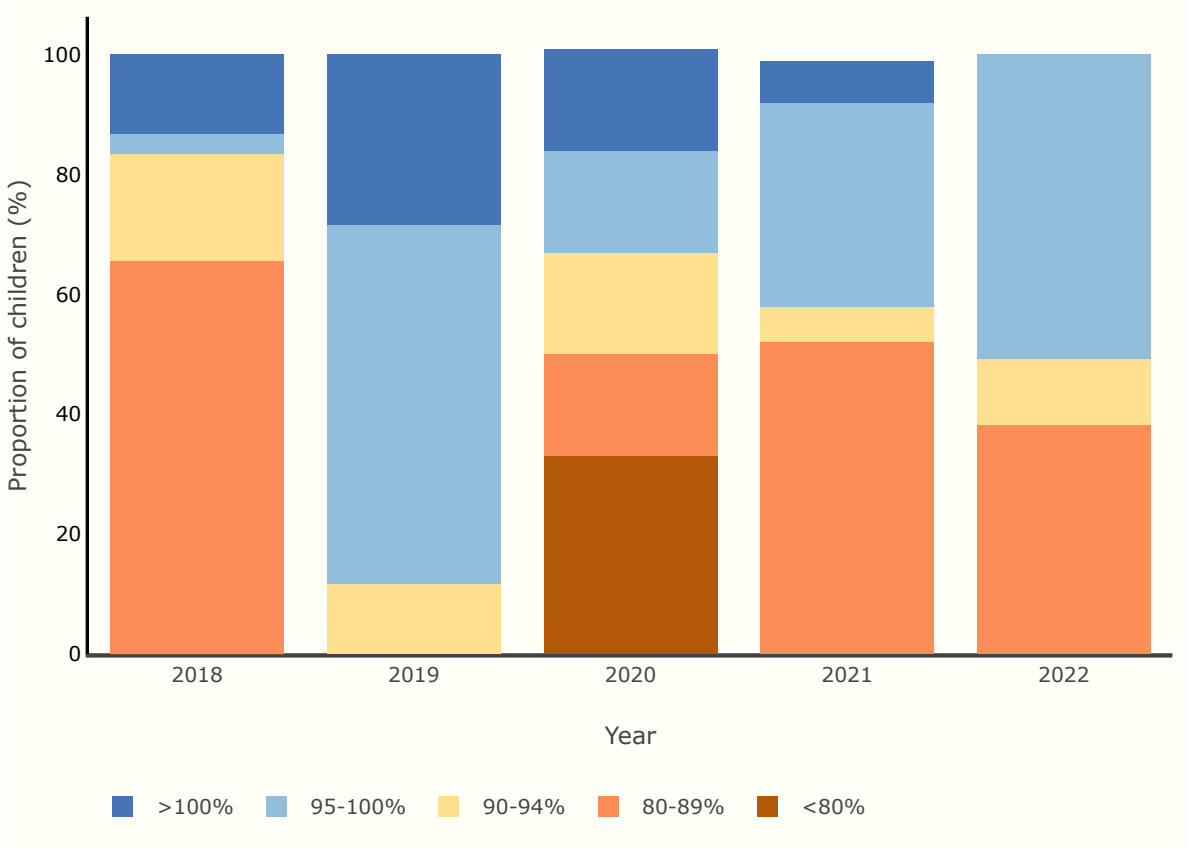


Figure 12: Proportion of municipalities by MMR2 vaccination coverage ranges, 2018-2022.

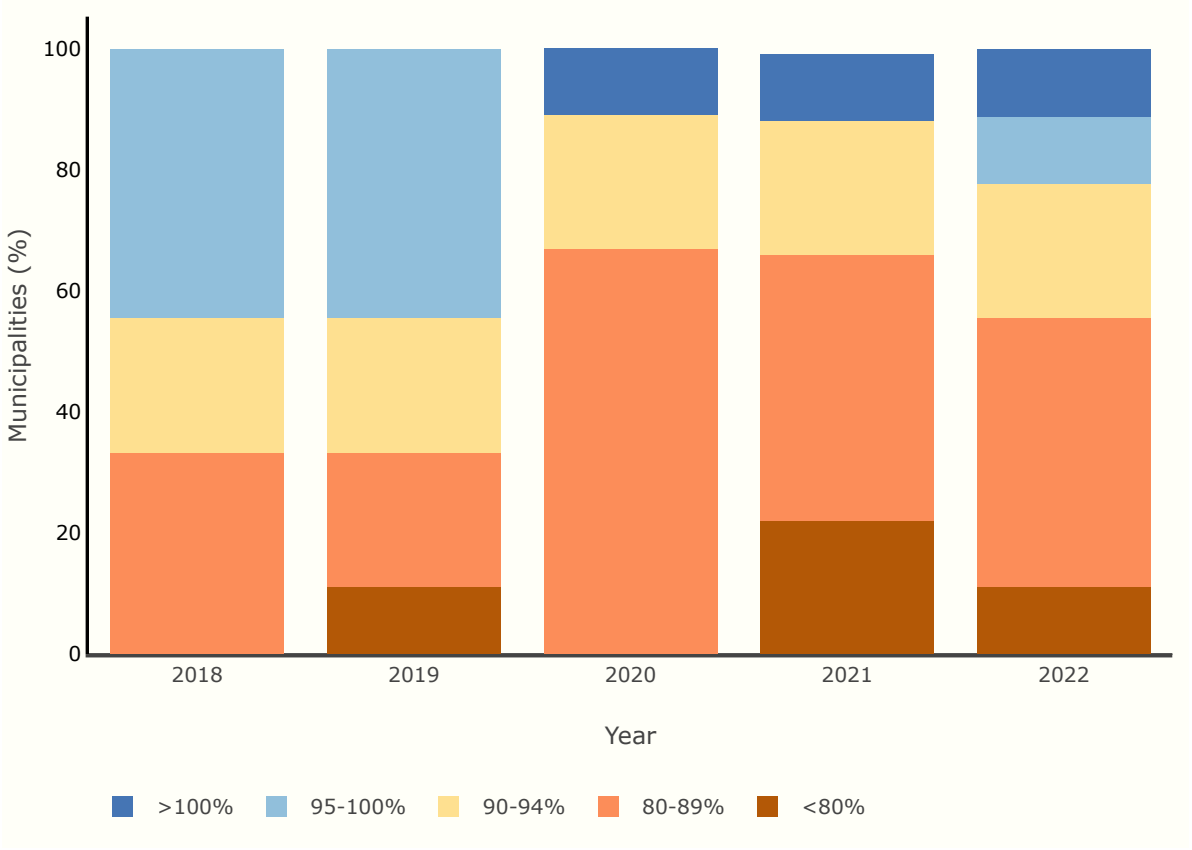


Figure 13: Proportion of children living in those municipalities for MMR2 vaccination coverage ranges, 2018-2022.

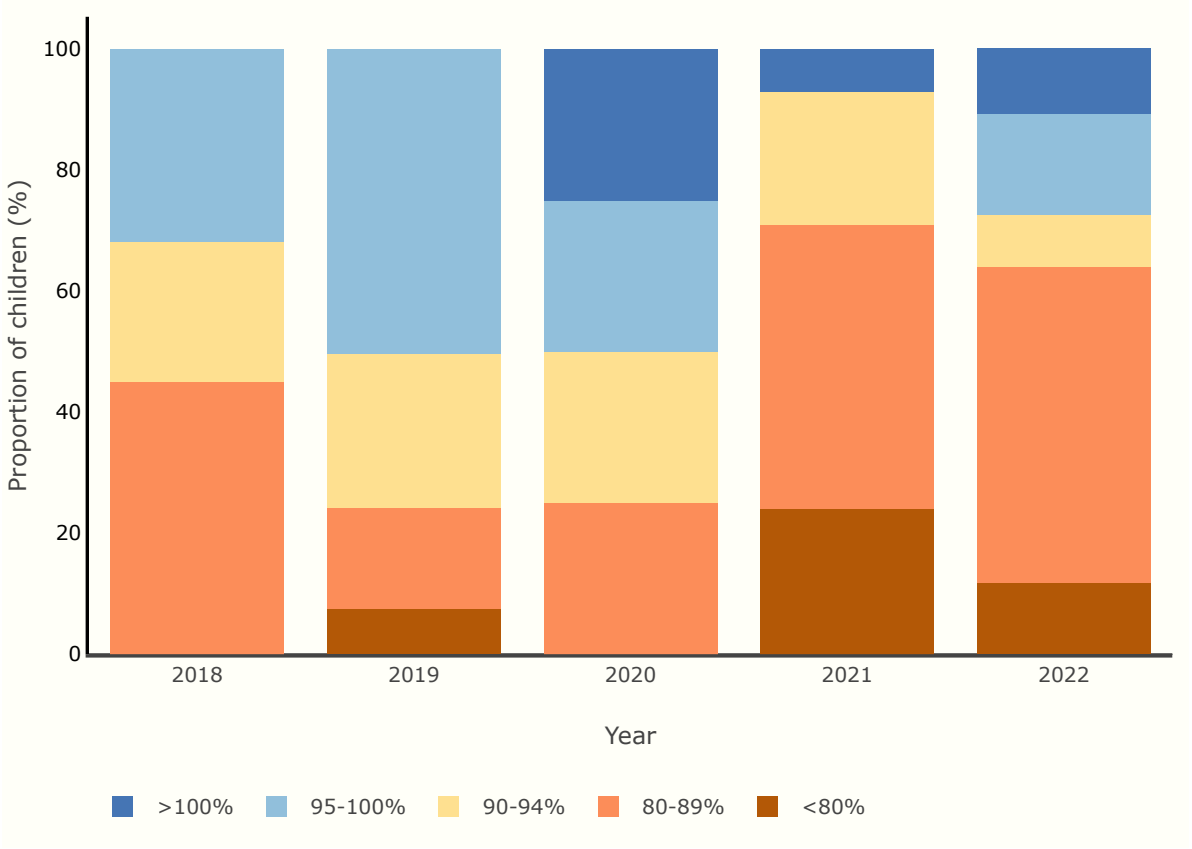


Table 11: Proportion of municipalities with MMR1 and MMR2 coverage ranges and proportion of children living in those municipalities, 2018-2022.

		MMR1		MMR2	
Year	Coverage range (%)	MMR1	MMR2	MMR1	MMR2
2022	<80	0.0	11.1	0.0	11.9
2022	80-89	33.3	44.4	38.3	52.1
2022	90-94	11.1	22.2	10.9	8.7
2022	95-100	55.6	11.1	50.8	16.6
2022	>100	0.0	11.1	0.0	10.8
2021	<80	0.0	22.0	0.0	24.0
2021	80-89	56.0	44.0	52.0	47.0
2021	90-94	11.0	22.0	6.0	22.0

2021	95-100	22.0	0.0	34.0	0.0
2021	>100	11.0	11.0	7.0	7.0
2020	<80	0.0	0.0	33.0	0.0
2020	80-89	33.0	67.0	17.0	25.0
2020	90-94	33.0	22.0	17.0	25.0
2020	95-100	22.0	0.0	17.0	25.0
2020	>100	11.0	11.0	17.0	25.0
2019	<80	0.0	11.1	0.0	7.6
2019	80-89	0.0	22.2	0.0	16.6
2019	90-94	11.1	22.2	11.8	25.5
2019	95-100	55.6	44.4	59.8	50.3
2019	>100	33.3	0.0	28.5	0.0
2018	<80	0.0	0.0	0.0	0.0
2018	80-89	66.7	33.3	65.6	45.0
2018	90-94	11.1	22.2	17.9	23.1
2018	95-100	11.1	44.4	3.3	31.9
2018	>100	11.1	0.0	13.2	0.0

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).