


Measles and rubella elimination country profile

Republic of Moldova

Measles elimination status


2016 eliminated
2017 eliminated



Source: European Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report: www.euro.who.int/7thrv

Rubella elimination status

2016 eliminated
2017 eliminated




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Measles and rubella surveillance

National case-based surveillance for measles, rubella and CRS

Lab confirmation for diagnosis of measles, rubella and CRS



Source: WHO/UNICEF Joint Reporting Form on Immunization, 2017

Demographic information, 2017

Total population	4 051 212
< 1 year old	39 398
< 5 years old	213 070

Source: World Population Prospects: The 2017 Revision, New York, United Nations

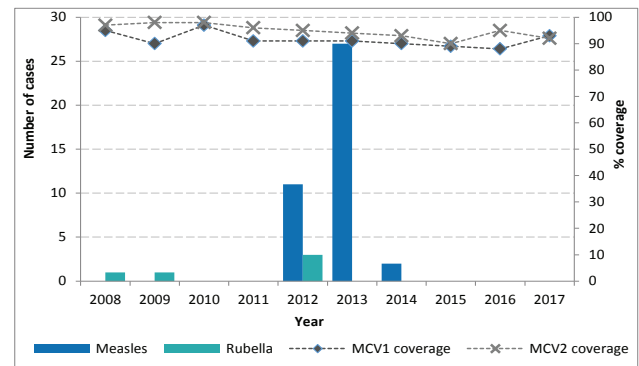
Measles and rubella immunization schedule, 2017

	Vaccine	Schedule	Year of introduction	
MCV1	MMR	12 months	MCV2	2002
MCV2	MMR	7-15 years	RCV	2002
Measles vaccination in school				No

Source: Immunization schedule, WHO, Data and Statistics, Immunization Monitoring and Surveillance (http://www.who.int/immunization/monitoring_surveillance/data/en/)

MMR = measles-mumps-rubella vaccine; MCV1 = first dose measles-containing vaccine; MCV2 = second dose measles-containing vaccine; RCV = rubella-containing vaccine

Measles and rubella cases and immunization coverage, 2008–2017




Source: Disease incidence and immunization coverage (WUENIC), WHO, Data and Statistics, Immunization Monitoring and Surveillance

(http://www.who.int/immunization/monitoring_surveillance/data/en/)

MCV1 = first dose of measles-containing vaccine
MCV2 = second dose of measles-containing vaccine

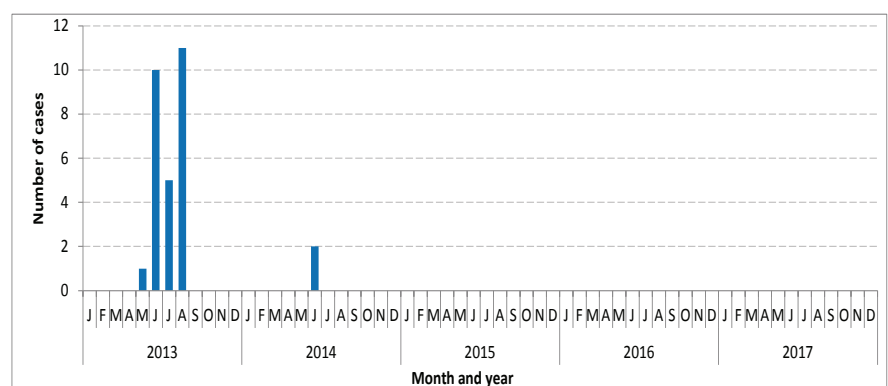
Definition used for an outbreak

Two or more measles or rubella cases observed at the same time and linked by epidemiological and/or viral characteristics



Source: Measles and rubella elimination Annual Status Update report, 2017

Confirmed measles cases by month of onset, 2013-2017



Source: CISD 2017



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Measles incidence, epidemiologic and virologic characteristics, 2013-2017

	Suspected measles cases	Confirmed measles cases				Discarded as non-measles	Measles incidence	Genotypes detected
		Laboratory	Epi-linked	Clinically	Total			
2013	41	20	7	0	27	14	5.4	D8
2014	0	2	0	0	2	0	0.3	D8
2015	5	0	0	0	0	5	0	NA
2016	62	0	0	0	0	62	0	NA
2017	58	0	0	0	0	58	0	NA

Source: Measles and rubella elimination Annual Status Update report, 2013-2017
Incidence calculated per 1 million population
ND = Data not available; NA= Not applicable

Rubella incidence, epidemiologic and virologic characteristics, 2013-2017

	Suspected rubella cases	Confirmed rubella cases				Discarded as non-rubella	Rubella incidence	Genotypes detected
		Laboratory	Epi-linked	Clinically	Total			
2013	10	0	0	0	0	10	0	NA
2014	0	0	0	0	0	0	0	NA
2015	9	0	0	0	0	9	0	NA
2016	62	0	0	0	0	62	0	NA
2017	58	0	0	0	0	58	0	NA

Source: Measles and rubella elimination Annual Status Update report, 2013-2017
Incidence calculated per 1 million population
ND = Data not available; NA= Not applicable

RVC comments, based on 2017 reporting

The Regional Verification Commission for Measles and Rubella Elimination (RVC) concluded that endemic transmission of both measles and rubella remained interrupted in Republic of Moldova in 2017 and confirmed that measles and rubella elimination has been sustained. The RVC urges continued activities to increase and sustain high MRCV immunization coverage, particularly for children <24 months of age. Sensitivity of measles, rubella and CRS surveillance needs to be increased.

Source: European Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report: www.euro.who.int/7thrv

Surveillance performance indicators and targets

- Rate of discarded cases: at least 2 discarded measles or rubella cases per 100 000 population
- % cases with adequate laboratory investigation: $\geq 80\%$
- % origin of infection known: $\geq 80\%$
- Rate of viral detection: $\geq 80\%$

Information on CRS, 2017

No cases reported



Source: Measles and rubella elimination Annual Status Update report, 2017
CRS = congenital rubella syndrome

Measles surveillance and laboratory performance indicators, 2013-2017

	Discarded non-measles rate	% 1st sub-national unit with ≥ 2 discarded cases	% cases with adequate laboratory investigation	% origin of infection known	# specimen tested for measles	% positive for measles	Rate of viral detection	% WHO and proficient labs
2013	ND	0%	87.3%	100%	ND	ND	0	ND
2014	1.1	20%	100%	100%	47	4.3%	ND	ND
2015	1.1	60%	100%	ND	43	0%	ND	100%
2016	1.5	80%	100%	ND	62	0%	ND	100%
2017	1.4	60%	100%	NA	58	0%	NA	100%

Source: ASU 2013-2017
ND = Data not available; NA= Not applicable
A proficient laboratory is WHO accredited and/or has an established quality assurance programme with oversight by a WHO accredited laboratory

Rubella surveillance and laboratory performance indicators, 2013-2017

	Discarded non-rubella rate	% 1st sub-national unit with ≥ 2 discarded cases	% cases with adequate laboratory investigation	% origin of infection known	# specimen tested for rubella	% positive for rubella	Rate of viral detection	% WHO and proficient labs
2013	0	0%	0%	ND	ND	ND	ND	ND
2014	1.2	20%	100%	0	47	0%	ND	ND
2015	1.1	60%	100%	0	43	0%	ND	100%
2016	1.5	80%	100%	0	62	0%	ND	100%
2017	1.4	60%	100%	NA	58	0%	NA	100%

Source: ASU 2013-2017
ND = Data not available; NA= Not applicable
A proficient laboratory is WHO accredited and/or has an established quality assurance programme with oversight by a WHO accredited laboratory