

A monthly summary of the epidemiological data on selected Vaccine-preventable diseases in the European Region

Table 1: Reported measles cases for the period August 2017 — July 2018 (data as of 5 September 2018)

Country	Total Population in 2018 ¹	Incidence Rate Aug 17 - July18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	
Albania	2 919 422	4.11	12	0	1	3	5	3	0	0	0	0	0	0	0	Jul-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Armenia	3 034 998	5.93	18	0	0	1	0	0	0	2	14	1	0	0	0	Jul-18
Austria	8 613 647	8.94	77	2	1	2	8	1	7	8	14	16	11	6	1	Jul-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Belarus	9 429 102	16.65	157	0	0	0	0	0	0	17	41	53	46	0	0	Jul-18
Belgium	11 513 025	7.04	81	0	2	0	3	1	1	6	9	11	23	21	4	Jul-18
Bosnia and Herzegovina	3 782 297	25.91	98	1	2	2	3	0	5	7	14	13	34	13	4	Jul-18
Bulgaria	6 992 150	1.14	8	0	0	0	0	0	1	0	2	1	1	0	3	Jul-18
Croatia	4 194 538	5.24	22	0	0	0	0	0	0	0	0	1	2	16	3	Jul-18
Cyprus	1 198 198	12.52	15	0	0	0	0	1	5	7	2	0	0	0	0	Jul-18
Czech Republic	10 563 111	15.62	165	0	0	0	9	4	16	22	39	38	24	10	3	Jul-18
Denmark	5 732 713	1.05	6	3	0	0	0	0	0	0	3	0	0	0	0	Jul-18
Estonia	1 302 401	7.68	10	0	0	0	0	0	0	0	4	6	0	0	0	Jul-18
Finland	5 556 439	1.08	6	2	0	0	0	0	0	0	0	0	4	0	0	Jul-18
France	65 205 671	42.86	2795	15	19	13	11	65	237	523	765	625	252	191	79	Jul-18
Georgia	3 973 681	307.02	1220	9	9	1	13	60	125	159	158	221	253	212	-	Jun-18
Germany	80 560 850	6.48	522	33	8	8	12	19	29	34	61	98	87	99	34	Jul-18
Greece	10 871 762	295.90	3217	93	114	192	304	346	466	454	499	368	249	109	23	Jul-18
Hungary	9 754 429	2.56	25	10	1	1	0	0	2	5	6	0	0	0	0	Jul-18
Iceland	336 938	2.97	1	0	0	0	1	0	0	0	0	0	0	0	0	Jul-18
Ireland	4 790 845	17.74	85	0	0	12	9	3	10	20	19	4	1	1	6	Jul-18
Israel	8 455 489	26.37	223	0	0	0	0	0	0	0	9	33	35	74	72	Jul-18
Italy	59 788 104	48.05	2873	251	166	127	66	114	212	296	375	467	413	273	113	Jul-18
Kazakhstan	18 256 484	0.11	2	0	0	0	0	0	0	0	0	1	0	-	1	Jul-18
Kyrgyzstan	6 213 441	59.23	368	0	0	0	2	2	30	15	32	66	73	94	54	Jul-18
Latvia	1 935 780	10.85	21	0	0	0	0	5	8	2	0	2	3	0	1	Jul-18
Lithuania	2 817 402	0.35	1	0	0	0	0	0	0	0	0	0	0	1	0	Jul-18
Luxembourg	591 126	3.38	2	0	0	0	1	0	0	0	0	1	0	0	0	Jul-18
Malta	421 387	11.87	5	0	0	0	0	0	0	0	0	0	0	0	5	Jul-18
Monaco	38 166	0.00	0	-	0	0	0	-	0	0	0	0	-	0	0	Jul-18
Montenegro	626 240	51.10	32	0	0	-	0	0	9	19	4	0	0	-	-	May-18
Netherlands	17 084 531	1.23	21	1	1	3	0	0	0	2	2	0	2	9	1	Jul-18
Norway	5 387 342	1.30	7	0	0	0	0	0	0	4	0	1	2	0	0	Jul-18
Poland	38 522 728	2.65	102	3	13	11	2	6	19	7	5	12	8	11	5	Jul-18
Portugal	10 229 432	12.61	129	0	0	0	0	0	0	4	108	13	1	3	0	Jul-18
Republic of Moldova	4 044 534	9.15	37	0	0	0	0	0	1	1	0	0	18	17	0	Jul-18
Romania	19 105 089	80.55	1539	102	236	265	101	100	101	102	105	111	104	112	100	Jul-18
Russian Federation	143 261 490	15.74	2255	56	92	130	194	188	292	290	313	246	216	192	46	Jul-18
San Marino	32 241	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Serbia	8 742 764	651.28	5694	0	0	13	286	392	901	1230	1522	684	447	170	49	Jul-18
Slovakia	5 434 237	66.25	360	0	0	0	0	9	1	0	2	3	23	87	235	Jul-18
Slovenia	2 073 018	4.34	9	0	0	0	0	1	2	0	0	0	3	3	0	Jul-18
Spain	46 116 884	4.68	216	6	2	0	1	11	6	14	51	49	41	21	14	Jul-18
Sweden	9 987 062	5.01	50	2	3	1	0	16	12	3	1	4	3	2	3	Jul-18
Switzerland	8 523 590	7.39	63	10	17	4	4	0	7	6	6	3	3	2	1	Jul-18
Tajikistan	9 046 723	0.22	2	2	0	0	0	0	0	0	0	0	0	0	0	Jul-18
The former Yugoslav Republic of Macedonia	2 085 315	28.29	59	-	11	8	0	1	5	5	1	0	1	3	24	Jul-18
Turkey	81 086 257	5.92	480	11	1	3	14	5	2	5	51	77	161	65	85	Jul-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Ukraine	44 170 002	686.96	30343	242	248	505	1001	1400	3030	3099	2618	3812	5629	4882	3877	Jul-18
United Kingdom	65 912 569	26.03	1716	14	18	22	65	46	113	163	298	408	328	176	65	Jul-18
Uzbekistan	31 064 765	0.45	14	0	0	0	0	0	0	0	0	0	0	6	8	Jul-18
Total/Averages	917 084 469	60.15	55163	868	965	1327	2115	2799	5655	6531	7153	7449	8501	6881	4919	

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine.

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not achieving the target (<1 per million population) are highlighted in red.

For tables 1-4, the reporting of these data by year and month are based on cases with disease onset date during the above 12-month period and corresponding month. Where the disease onset date was unavailable, cases with the date of notification reported during these respective time periods were included as date of onset. These reports produced by national or partner agencies may differ if other dates (e.g. date of case reporting) were used.

Table 2: Reported rubella cases for the period August 2017 — July 2018 (data as of 5 September 2018)

Country	Total Population in 2018 ¹	Incidence Rate Aug 17 - Jul 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	
Albania	2 919 422	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Armenia	3 034 998	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Austria	8 613 647	2.32	20	0	0	2	6	7	5	0	0	0	0	0	0	Jul-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Belarus	9 429 102	0.21	2	0	0	1	0	0	1	0	0	0	0	0	0	Jul-18
Belgium ³	11 513 025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 782 297	0.79	3	1	0	0	0	0	1	0	0	0	1	-	0	Jul-18
Bulgaria	6 992 150	0.14	1	0	0	0	0	0	0	0	0	1	0	0	0	Jul-18
Croatia	4 194 538	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Cyprus	1 198 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Czech Republic	10 563 111	0.09	1	0	0	0	0	0	0	1	0	0	0	0	0	Jul-18
Denmark ³	5 732 713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Estonia	1 302 401	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Finland	5 556 439	0.18	1	0	0	1	0	0	0	0	0	0	0	0	0	Jul-18
France ³	65 205 671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 973 681	0.25	1	0	0	0	1	0	0	0	0	0	0	0	-	Jun-18
Germany	80 560 850	0.78	63	5	3	11	4	2	7	3	5	5	3	8	7	Jul-18
Greece	10 871 762	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Hungary	9 754 429	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Iceland	336 938	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Ireland	4 790 845	0.83	4	0	0	0	0	0	0	1	0	1	1	0	1	Jul-18
Israel	8 455 489	0.12	1	0	0	0	0	0	0	0	1	0	0	0	0	Jul-18
Italy	59 788 104	0.45	27	1	3	2	2	2	1	2	2	4	2	3	3	Jul-18
Kazakhstan	18 256 484	0.00	0	0	0	0	0	0	0	0	0	0	0	-	0	Jul-18
Kyrgyzstan	6 213 441	1.45	9	0	0	0	1	1	3	0	3	0	0	1	0	Jul-18
Latvia	1 935 780	1.55	3	0	0	0	0	0	1	1	0	1	0	0	0	Jul-18
Lithuania	2 817 402	0.35	1	0	0	0	0	0	0	0	0	0	1	0	0	Jul-18
Luxembourg	591 126	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Malta	421 387	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 240	0.00	0	0	0	-	0	0	0	0	0	0	0	-	-	May-18
Netherlands	17 084 531	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Norway	5 387 342	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Poland	38 522 728	12.67	488	37	30	34	31	33	36	44	42	48	59	54	40	Jul-18
Portugal	10 229 432	0.59	6	0	2	0	0	0	0	1	0	0	0	2	1	Jul-18
Republic of Moldova	4 044 534	0.00	0	0	0	0	-	0	0	0	0	0	0	0	-	Jun-18
Romania	19 105 089	0.37	7	2	0	1	0	0	1	0	1	1	0	1	0	Jul-18
Russian Federation	143 261 490	0.04	6	1	0	1	0	1	0	0	0	0	3	0	0	Jul-18
San Marino	32 241	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Serbia	8 742 764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Slovakia	5 434 237	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Slovenia	2 073 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Spain	46 116 884	0.07	3	0	0	0	0	0	0	0	0	1	1	1	0	Jul-18
Sweden	9 987 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Switzerland	8 523 590	0.23	2	0	0	0	0	0	0	1	0	0	1	0	0	Jul-18
Tajikistan	9 046 723	0.00	0	0	0	0	-	0	-	0	0	0	0	0	0	Jul-18
The former Yugoslav Republic of Macedonia	2 085 315	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Turkey	81 086 257	0.12	10	0	0	0	0	0	1	0	4	3	1	1	0	Jul-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Ukraine	44 170 002	3.58	158	-	-	-	-	-	24	42	17	32	20	12	11	Jul-18
United Kingdom	65 912 569	0.05	3	0	0	1	1	0	0	1	0	0	0	0	0	Jul-18
Uzbekistan	31 064 765	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-18
Total/Averages	917 084 469	0.89	820	47	38	54	46	46	81	97	75	97	93	83	63	

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Poland, Republic of Moldova, the former Yugoslav Republic of Macedonia, Ukraine.

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not achieving the target (<1 per million population) are highlighted in red.

³ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Table 3: Measles classification, reporting and surveillance performance, January — July 2018 (data as of 5 September 2018)

Country	Total Population in 2018 ¹	2017 (as of 05 September 2018)			2018												Surveillance Indicators ⁷		
		Incidence Rate (per 1 million population) ²	Total measles cases ³	Total measles death	Annualized Incidence Rate (per 1 million population) ²	Total measles cases ³	Classification			Discarded Measles	Imported cases	Measles Death	Reporting			Laboratory investigation rate ⁴	Rate of discarded cases ⁶	Origin of infection ⁵	Timeliness of investigation ⁵
							Lab confirmed	Epi-Link	Clinically compatible ⁴				Completeness ⁵	Timeliness ⁵	Month & year of last report				
Albania	2 919 422	0.69	12	0	0.00	0	0	0	0	0	0	0	100%	14%	Jul-18	-	0.00	-	-
Andorra	68 915	0.00	0	0	0.00	0	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Armenia	3 034 998	0.33	1	0	0.00	17	17	0	0	173	17	0	100%	71%	Jul-18	100%	5.70	100.0%	99%
Austria	8 613 647	9.64	94	0	3.25	63	56	6	1	18	15	0	100%	100%	Jul-18	79%	0.21	100.0%	15%
Azerbaijan	10 070 075	0.00	0	0	0.00	0	0	0	0	72	0	0	100%	100%	Jul-18	100%	0.71	-	100%
Belarus	9 429 102	0.00	1	0	9.71	157	157	0	0	222	0	0	100%	57%	Jul-18	100%	2.35	0	0
Belgium	11 513 025	31.88	367	0	3.80	75	60	14	1	0	0	0	100%	100%	Jul-18	-	-	-	-
Bosnia and Herzegovina	3 782 297	7.14	27	0	13.88	90	44	1	45	0	0	0	100%	29%	Jul-18	-	-	-	-
Bulgaria	6 992 150	23.60	166	1	0.25	8	8	0	0	0	5	0	100%	100%	Jul-18	100%	0.00	100.0%	100%
Croatia	4 194 538	1.67	7	0	1.95	22	22	0	0	4	8	0	100%	86%	Jul-18	100%	0.10	100.0%	0
Cyprus	1 198 198	0.83	4	0	4.38	14	14	0	0	0	5	0	100%	100%	Jul-18	100%	0.00	100.0%	0
Czech Republic	10 563 111	13.73	149	0	8.39	152	149	1	2	0	0	0	100%	71%	Jul-18	0%	0.00	0	0
Denmark	5 732 713	0.35	4	0	0.31	3	3	0	0	0	0	0	100%	100%	Jul-18	100%	0.00	100.0%	0
Estonia	1 302 401	0.00	1	0	3.14	10	10	0	0	44	3	0	100%	100%	Jul-18	100%	3.38	100.0%	100%
Finland	5 556 439	0.72	10	0	0.21	4	4	0	0	0	2	0	100%	100%	Jul-18	100%	0.00	50.0%	0
France	65 205 671	7.50	519	1	23.27	2672	1182	569	921	1	71	3	100%	100%	Jul-18	79%	0.00	83.0%	0.1%
Georgia	3 973 681	23.66	96	0	165.59	1128	869	65	194	321	0	2	86%	71%	Jun-18	86%	8.08	99.6%	96%
Germany	80 560 850	10.80	936	1	2.92	442	360	57	25	0	39	0	100%	100%	Jul-18	92%	0.00	80.8%	0
Greece	10 871 762	97.87	1067	2	116.16	2168	1219	491	458	67	3	2	100%	100%	Jul-18	74%	0.62	8.9%	0
Hungary	9 754 429	3.18	36	0	0.42	13	13	0	0	16	6	0	100%	100%	Jul-18	100%	0.16	92.3%	93%
Iceland	336 938	2.97	3	0	0.00	0	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Ireland	4 790 845	5.22	25	0	7.18	61	53	2	6	0	2	0	100%	100%	Jul-18	98%	0.00	75.4%	85%
Israel	8 455 489	1.77	16	0	15.18	223	166	53	4	0	3	0	100%	57%	Jul-18	99%	0.00	1.3%	77%
Italy	59 788 104	89.62	5404	4	20.59	2149	1614	116	419	132	39	4	100%	100%	Jul-18	81%	0.22	88.6%	0
Kazakhstan	18 256 484	0.11	2	0	0.06	2	1	0	1	0	0	0	86%	86%	Jul-18	-	-	-	-
Kyrgyzstan	6 213 441	0.48	5	0	33.80	364	328	16	20	368	4	0	100%	57%	Jul-18	97%	5.92	97.3%	74%
Latvia	1 935 780	2.07	5	0	3.62	16	16	0	0	0	4	0	100%	100%	Jul-18	100%	0.00	25.0%	100%
Lithuania	2 817 402	0.00	2	0	0.00	1	1	0	0	0	1	0	100%	86%	Jul-18	100%	0.00	100.0%	0
Luxembourg	591 126	1.69	4	0	0.00	1	1	0	0	0	1	0	100%	100%	Jul-18	100%	0.00	100.0%	100%
Malta	421 387	0.00	0	0	1.38	5	5	0	0	0	4	0	100%	100%	Jul-18	100%	0.00	100.0%	0
Monaco	38 166	0.00	0	0	0.00	0	0	0	0	0	0	0	86%	71%	Jul-18	-	0.00	-	-
Montenegro	626 240	0.00	0	0	27.94	32	3	0	29	1	2	0	71%	43%	May-18	15%	0.16	6.3%	9%
Netherlands	17 084 531	0.59	16	0	0.41	16	15	1	0	0	4	0	100%	100%	Jul-18	0%	0.00	87.5%	0
Norway	5 387 342	0.00	1	0	0.32	7	7	0	0	0	4	0	100%	100%	Jul-18	100%	0.00	71.4%	100%
Poland	38 522 728	1.38	63	0	0.76	67	48	5	14	0	17	0	100%	100%	Jul-18	84%	0.00	100.0%	100%
Portugal	10 229 432	3.13	34	1	7.13	129	121	0	8	322	4	0	100%	86%	Jul-18	97%	3.15	92.2%	77%
Republic of Moldova	4 044 534	0.00	0	0	5.34	37	36	1	0	0	0	0	100%	86%	Jul-18	-	-	-	-
Romania	19 105 089	382.41	7330	22	22.20	735	615	101	19	0	8	22	100%	100%	Jul-18	97%	0.00	100.0%	100%
Russian Federation	143 261 490	6.09	898	0	6.30	1595	1532	52	11	1829	49	3	100%	100%	Jul-18	99%	1.28	100.0%	48%
San Marino	32 241	0.00	0	0	0.00	0	0	0	0	0	0	0	100%	71%	Jul-18	-	0.00	-	-
Serbia	8 742 764	80.29	702	1	333.81	5003	2597	0	2406	0	0	14	100%	100%	Jul-18	-	-	-	-
Slovakia	5 434 237	1.47	11	0	36.71	351	212	139	0	7	9	0	100%	100%	Jul-18	1%	0.13	98.3%	99%
Slovenia	2 073 018	2.89	8	0	1.69	8	8	0	0	0	2	0	100%	100%	Jul-18	88%	0.00	37.5%	100%
Spain	46 116 884	2.84	149	0	2.26	196	188	7	1	75	17	0	100%	100%	Jul-18	100%	0.16	11.7%	96%
Sweden	9 987 062	3.50	46	0	0.88	28	28	0	0	0	13	0	100%	100%	Jul-18	100%	0.00	100.0%	0
Switzerland	8 523 590	11.50	105	1	0.82	28	24	4	0	79	16	0	100%	100%	Jul-18	100%	0.93	92.9%	28%
Tajikistan	9 046 723	71.74	649	0	0.00	0	0	0	0	49	0	0	100%	86%	Jul-18	100%	0.54	-	88%
The former Yugoslav Republic of Macedonia	2 085 315	9.59	20	0	10.91	39	28	10	1	0	0	0	100%	57%	Jul-18	-	-	-	-
Turkey	81 086 257	0.81	69	0	2.81	446	444	1	1	2586	55	0	100%	43%	Jul-18	100%	3.19	13.5%	98%
Turkmenistan	5 565 070	0.00	0	0	0.00	0	0	0	0	36	0	0	100%	0%	Jul-18	100%	0.65	-	100%
Ukraine	44 170 002	108.26	4782	5	355.88	26947	4633	0	22314	0	0	13	100%	71%	Jul-18	-	-	-	-
United Kingdom	65 912 569	2.32	282	0	12.41	1551	1551	0	0	0	149	0	100%	86%	Jul-18	100%	0.00	97.7%	0
Uzbekistan	31 064 765	0.00	0	0	0.26	14	14	0	0	38	0	0	100%	86%	Jul-18	100%	0.12	100.0%	100%
Total/Averages	917 084 469	25.83	24128	39	29.58	47089	18476	1712	26901	6460	581	63	98.7%	84.4%		89.5%	0.78	23.2%	42.5%

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine.

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not meeting the target (<1 per million population) are highlighted in red. Imported measles cases are excluded from the numerator while calculating the incidence rate.

³ All confirmed measles cases regardless of origin.

⁴ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

⁵ Target (>=80%) not achieving are highlighted in red.

⁶ Discard rates not achieving the target (>=2 discarded cases per 100 000) are highlighted in red.

⁷ Surveillance indicators could not be calculated for Member States submitting aggregate data.

Table 4: Rubella classification, reporting and surveillance performance, January — July 2018 (data as of 5 September 2018)

Country	Total Population in 2018 ¹	2017 (as of 05 September 2018)		2018													
		Incidence Rate (per 1 million population) ²	Total rubella cases ³	Annualized Incidence Rate (per 1 million population) ²	Total rubella cases ³	Classification			Discarded Rubella	Imported cases	Reporting			Surveillance Indicators ⁷			
						Lab confirmed	Epi-Link	Clinically compatible ⁴			Completeness ⁵	Timeliness ⁵	Month & year of last report	Laboratory investigation rate ⁵	Rate of discarded cases ⁶	Origin of infection ⁵	Timeliness of investigation ⁵
Albania	2 919 422	0.00	0	0.00	0	0	0	0	0	0	100%	14%	Jul-18	-	0.00	-	-
Andorra	68 915	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Armenia	3 034 998	0.00	0	0.00	0	0	0	0	3	0	100%	71%	Jul-18	100%	0.10	-	100%
Austria	8 613 647	4.53	42	0.34	5	5	0	0	0	0	100%	100%	Jul-18	100%	0.00	100%	0
Azerbaijan	10 070 075	0.00	0	0.00	0	0	0	0	44	0	100%	100%	Jul-18	100%	0.44	-	100%
Belarus	9 429 102	0.11	1	0.00	1	1	0	0	222	1	100%	57%	Jul-18	0%	2.35	100%	0
Belgium ⁸	11 513 025	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 782 297	0.26	1	0.31	2	0	0	2	0	0	86%	14%	Jul-18	-	-	-	-
Bulgaria	6 992 150	0.00	0	0.08	1	0	0	1	0	0	100%	100%	Jul-18	0%	0.00	0%	100%
Croatia	4 194 538	0.00	0	0.00	0	0	0	0	0	0	100%	71%	Jul-18	-	0.00	-	-
Cyprus	1 198 198	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Czech Republic	10 563 111	0.09	2	0.06	1	1	0	0	0	0	100%	29%	Jul-18	100%	0.00	100%	0
Denmark ⁸	5 732 713	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 302 401	0.00	0	0.00	0	0	0	0	8	0	100%	100%	Jul-18	100%	0.61	-	100%
Finland	5 556 439	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
France ⁸	65 205 671	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 973 681	1.26	5	0.00	0	0	0	0	52	0	86%	29%	Jun-18	67%	1.31	-	100%
Germany	80 560 850	0.91	74	0.28	38	8	0	30	0	0	100%	100%	Jul-18	21%	0.00	63%	0
Greece	10 871 762	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Hungary	9 754 429	0.00	0	0.00	0	0	0	0	5	0	100%	57%	Jul-18	100%	0.05	-	100%
Iceland	336 938	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Ireland	4 790 845	0.00	0	0.49	4	0	0	4	0	0	100%	100%	Jul-18	0%	0.00	25%	50%
Israel	8 455 489	0.00	0	0.07	1	0	0	1	0	0	100%	43%	Jul-18	100%	0.00	0%	100%
Italy	59 788 104	1.12	68	0.16	17	7	2	8	8	1	100%	100%	Jul-18	78%	0.01	59%	0
Kazakhstan	18 256 484	0.00	0	0.00	0	0	0	0	0	0	86%	71%	Jul-18	-	-	-	-
Kyrgyzstan	6 213 441	0.64	4	0.66	7	7	0	0	0	0	100%	57%	Jul-18	100%	0.00	100%	71%
Latvia	1 935 780	0.00	0	0.60	3	3	0	0	0	1	100%	86%	Jul-18	100%	0.00	100%	33%
Lithuania	2 817 402	0.00	0	0.21	1	1	0	0	0	0	100%	86%	Jul-18	100%	0.00	100%	0
Luxembourg	591 126	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Malta	421 387	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 240	0.00	0	0.00	0	0	0	0	0	0	71%	43%	May-18	-	0.00	-	-
Netherlands	17 084 531	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Norway	5 387 342	0.00	0	0.00	0	0	0	0	0	0	100%	86%	Jul-18	-	0.00	-	-
Poland	38 522 728	12.36	476	4.89	323	3	1	319	0	0	100%	100%	Jul-18	-	-	-	-
Portugal	10 229 432	0.39	4	0.17	4	1	0	3	7	1	100%	86%	Jul-18	64%	0.07	75%	82%
Republic of Moldova	4 044 534	0.00	0	0.00	0	0	0	0	0	0	86%	71%	Jun-18	-	-	-	-
Romania	19 105 089	0.47	9	0.12	4	2	0	2	0	0	100%	71%	Jul-18	75%	0.00	100%	100%
Russian Federation	143 261 490	0.04	7	0.01	3	3	0	0	0	1	100%	100%	Jul-18	100%	0.00	100%	100%
San Marino	32 241	0.00	0	0.00	0	0	0	0	0	0	100%	71%	Jul-18	-	0.00	-	-
Serbia	8 742 764	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Slovakia	5 434 237	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Slovenia	2 073 018	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Spain	46 116 884	0.00	1	0.04	3	2	0	1	2	0	100%	100%	Jul-18	80%	0.00	33%	80%
Sweden	9 987 062	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jul-18	-	0.00	-	-
Switzerland	8 523 590	0.12	1	0.14	2	2	0	0	18	0	100%	100%	Jul-18	90%	0.21	50%	10%
Tajikistan	9 046 723	0.11	1	0.00	0	0	0	0	16	0	86%	86%	Jul-18	100%	0.18	-	100%
The former Yugoslav Republic of Macedonia	2 085 315	0.00	0	0.00	0	0	0	0	0	0	100%	43%	Jul-18	-	-	-	-
Turkey	81 086 257	0.02	2	0.07	10	10	0	0	2586	0	100%	57%	Jul-18	0%	3.19	20%	0.3%
Turkmenistan	5 565 070	0.00	0	0.00	0	0	0	0	41	0	100%	0%	Jul-18	100%	0.74	-	100%
Ukraine	44 170 002	-	-	2.09	158	10	0	148	0	0	100%	57%	Jul-18	-	-	-	-
United Kingdom	65 912 569	0.00	3	0.00	1	1	0	0	0	1	100%	71%	Jul-18	100%	0.00	100%	0
Uzbekistan	31 064 765	0.03	1	0.00	0	0	0	0	5	0	100%	86%	Jul-18	100%	0.02	-	100%
Total/Averages	917 084 469	0.75	703	0.37	589	67	3	519	3017	6	90.6%	72.0%		82.1%	0.42	11.5%	6.9%

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Poland, Republic of Moldova, the former Yugoslav Republic of Macedonia and Ukraine.

¹ Data source: World Population Prospects: The 2015 Revision, New York, United Nations.

² Incidence rates not meeting the target (<1 per million population) are highlighted in red. Imported rubella cases are excluded from the numerator while calculating the incidence rate.

³ All confirmed rubella cases regardless of origin.

⁴ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

⁵ Target (>=80%) not achieving are highlighted in red.

⁶ Discard rates not achieving the target (>=2 discarded cases per 100 000) are highlighted in red.

⁷ Surveillance indicators could not be calculated for Member States submitting aggregate data.

⁸ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Table 5: Measles and rubella laboratory test results, January — July 2018 (data as of 5 September 2018)

Country	Measles				Rubella				Reporting to CISID / MRLDMS		
	Total specimens tested ¹	Positive for measles (%) ¹	Genotypes reported to MeaNS ²	% sequencing reported within 60 days ²	Total specimens tested ¹	Positive for rubella (%) ¹	Genotypes reported to RubeNS ³	% sequencing reported within 60 days ³	% Completeness ⁴	% Timeliness ⁴	Month of last report
Albania	2446	1233 (50.0)	B3	0%	0	0	-	-	100%	57%	Jul-18
Andorra			-				-	-			No Lab
Armenia	200	17 (9.0)	D8	0%	200	0 (0.0)	-	-	100%	43%	Jul-18
Austria	948	51 (5.0)	B3,D8	100%	3080	9 (0.0)	-	-	100%	100%	Jul-18
Azerbaijan	117	0 (0.0)	-	-	178	0 (0.0)	-	-	100%	100%	Jul-18
Belarus	590	253 (43.0)	B3,D8	100%	309	3 (1.0)	2B	100%	100%	86%	Jul-18
Belgium	202	62 (31.0)	B3,D8	63%	81	7 (9.0)	-	-	100%	43%	Jul-18
Bosnia and Herzegovina	79	30 (38.0)	B3	67%	79	4 (5.0)	-	-	100%	100%	Jul-18
Bulgaria	186	20 (11.0)	B3	100%	86	0 (0.0)	-	-	100%	86%	Jul-18
Croatia	75	-	B3,D8	86%	25	0 (0.0)	-	-	86%	14%	Jun-18
Cyprus	152	17 (11.0)	-	-	185	0 (0.0)	-	-	86%	57%	Jun-18
Czech Republic	432	142 (33.0)	D8	50%	0	0	-	-	100%	100%	Jul-18
Denmark	520	17 (3.0)	D8	100%	21	1 (5.0)	-	-	100%	100%	Jul-18
Estonia	144	17 (12.0)	-	-	251	1 (0.0)	-	-	100%	100%	Jul-18
Finland	74	11 (15.0)	D8	56%	74	4 (5.0)	-	-	100%	100%	Jul-18
France	1211	465 (38.0)	B3,D8	5%	411	0 (0.0)	-	-	86%	43%	Jun-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	524	444 (85.0)	B3	7%	0	0	-	-	86%	14%	Jun-18
Hungary	195	27 (14.0)	B3,D8	100%	93	0 (0.0)	-	-	100%	100%	Jul-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	1139	108 (9.0)	B3,D8	100%	1348	0 (0.0)	-	-	100%	100%	Jul-18
Israel	745	256 (34.0)	D8	92%	887	140 (16.0)	-	-	100%	86%	Jul-18
Italy	1611	923 (57.0)	B3,D8	56%	774	54 (7.0)	-	-	86%	86%	Jun-18
Kazakhstan	38	2 (5.0)	-	-	36	0 (0.0)	-	-	100%	100%	Jul-18
Kyrgyzstan	622	305 (49.0)	B3	0%	573	7 (1.0)	-	-	100%	100%	Jul-18
Latvia	837	73 (9.0)	B3	93%	640	11 (2.0)	-	-	100%	43%	Jul-18
Lithuania	36	3 (8.0)	-	-	33	2 (6.0)	-	-	100%	86%	Jul-18
Luxembourg	35	1 (3.0)	B3,D8	100%	0	0	-	-	100%	100%	Jul-18
Malta	72	16 (22.0)	D8	100%	428	0 (0.0)	-	-	100%	86%	Jul-18
Monaco											No Lab
Montenegro											No Report
Netherlands	43	15 (35.0)	B3,D8	100%	39	0 (0.0)	-	-	100%	100%	Jul-18
Norway	-		B3,D8	100%	-		-	-	-	-	No Report
Poland	-		D8	44%	-		-	-	-	-	No Report
Portugal	1009	115 (11.0)	B3,D8	21%	2	1 (50.0)	-	-	100%	71%	Jul-18
Republic of Moldova	87	36 (41.0)	B3,D8	0%	72	0 (0.0)	-	-	100%	100%	Jul-18
Romania	4363	3684 (84.0)	B3,D8	70%	586	2 (0.0)	-	-	100%	57%	Jul-18
Russian Federation	5160	2299 (45.0)	B3,D8	71%	4046	43 (1.0)	-	-	100%	100%	Jul-18
San Marino											No Lab
Serbia	3648	2055 (56.0)	B3	0%	1342	8 (1.0)	-	-	71%	71%	Jul-18
Slovakia	157	42 (27.0)	D8	0%	3	0 (0.0)	-	-	100%	100%	Jul-18
Slovenia	238	16 (7.0)	B3	100%	88	0 (0.0)	-	-	100%	100%	Jul-18
Spain	-	-	B3,D8,D4	60%	-		-	-	-	-	No Report
Sweden	2058	113 (5.0)	B3,D8	100%	1023	3 (0.0)	-	-	100%	57%	Jul-18
Switzerland	113	38 (34.0)	B3,D8	90%	5	5 (100.0)	-	-	100%	100%	Jul-18
Tajikistan	61	0 (0.0)	-	-	59	0 (0.0)	-	-	71%	71%	Jun-18
The former Yugoslav Republic of Macedonia	17	7 (41.0)	-	-	3	0 (0.0)	-	-	43%	0%	May-18
Turkey	4177	454 (11.0)	-	-	3614	64 (2.0)	-	-	100%	43%	Jul-18
Turkmenistan	77	0 (0.0)	-	-	77	0 (0.0)	-	-	86%	86%	Jun-18
Ukraine	928	467 (50.0)	B3,D8	5%	240	8 (3.0)	-	-	100%	100%	Jul-18
United Kingdom	4054	899 (22.0)	B3,D8	98%	777	4 (1.0)	-	-	100%	100%	Jul-18
Uzbekistan	63	16 (25.0)	D8	100%	63	0 (0.0)	-	-	100%	100%	Jul-18
Total / Average	39483	14766 (37%)	-	64%	21831	381 (2%)	-	100%	77.4%	63.9%	

¹ Data source: Aggregated monthly data provided by regional measles and rubella laboratory network (MR Labnet) to WHO/Europe. Some countries are only reporting to specimen-based MR lab data management system (MR LDMS).

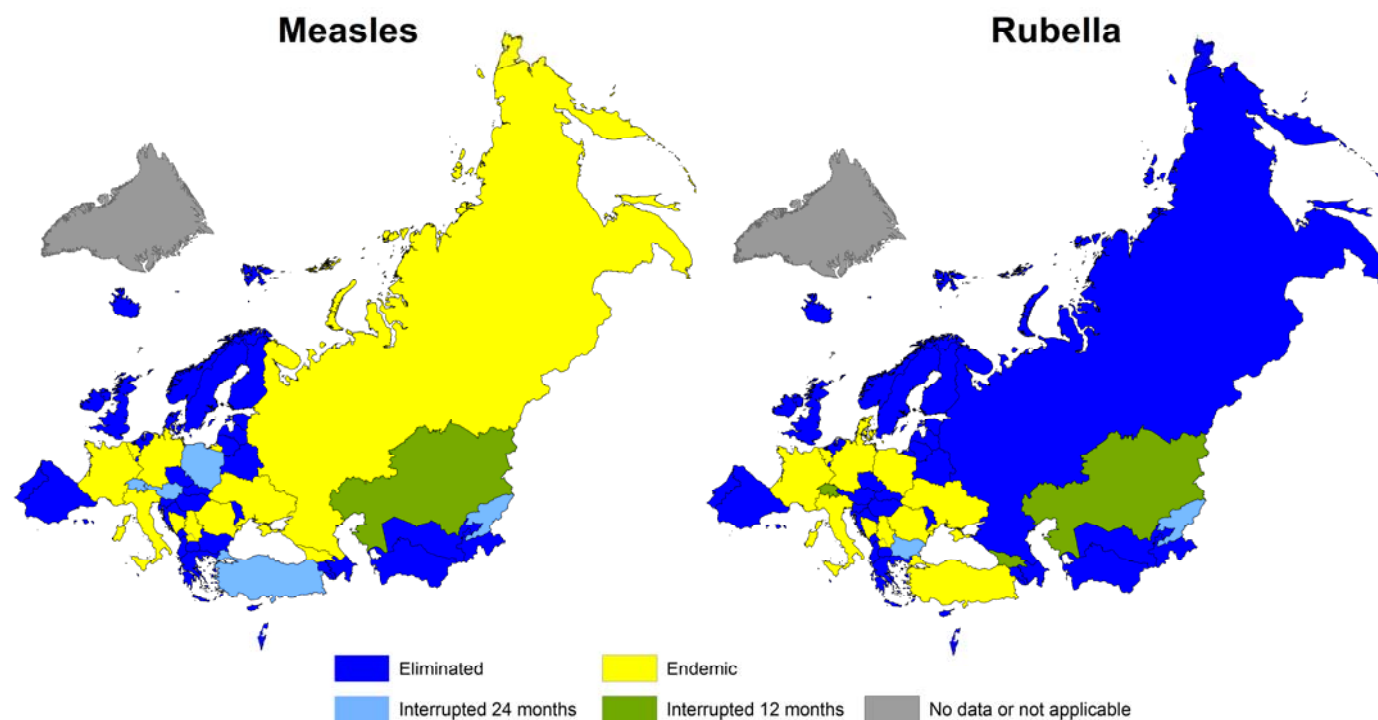
² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

³ RubeNS: <http://www.who-rubella.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to RubeNS.

⁴ Target (>=80%) not achieving are highlighted in red.

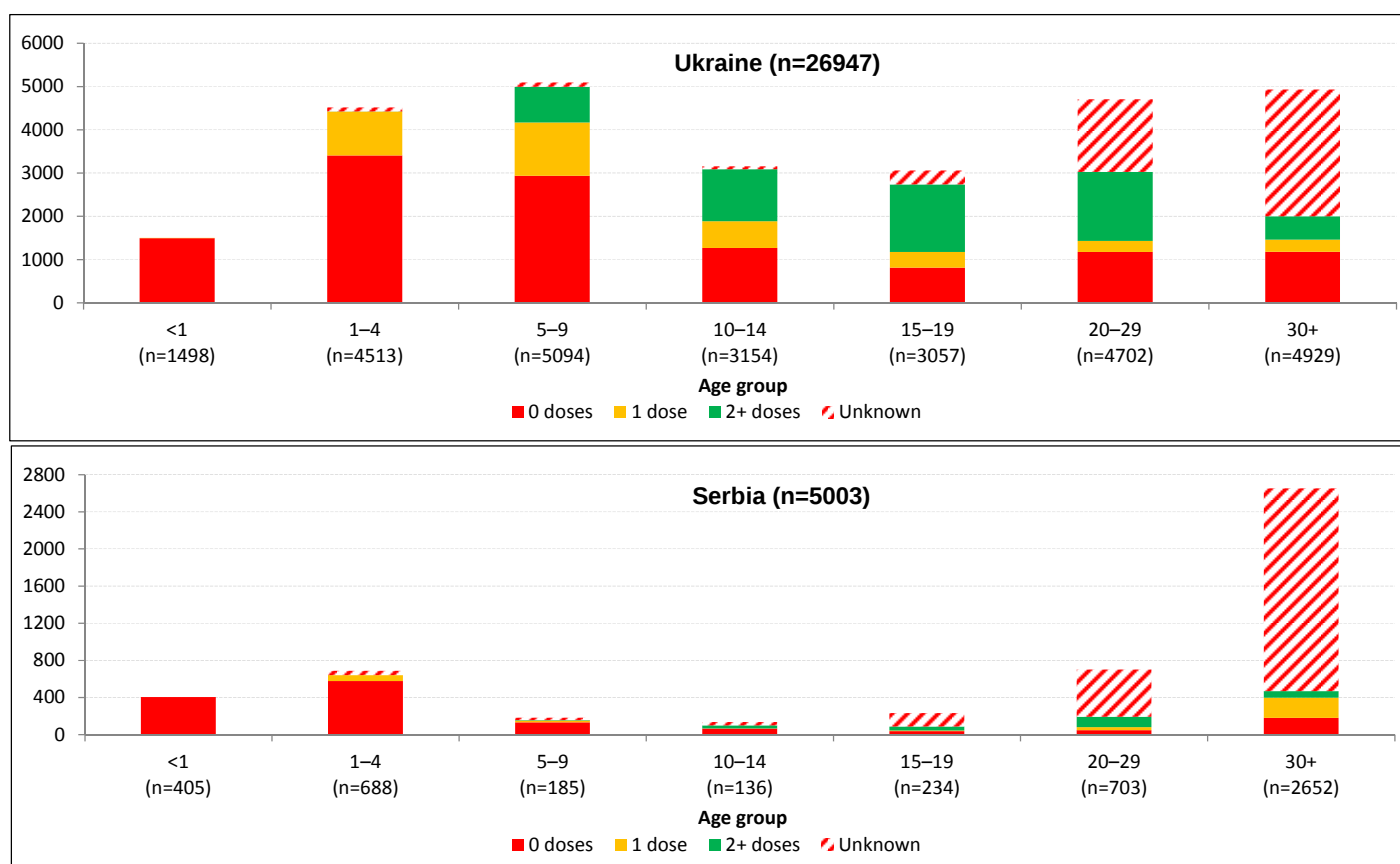
**Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.*

Figure 1: Map of Measles and Rubella Elimination Status 2017, WHO European Region*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement. © WHO 2018. All rights reserved.

Figure 2: Age and vaccination status of measles cases in the two countries with the highest numbers of cases in the European Region, Jan to Jul 2018 (data as of 5 September 2018)**



*7th meeting of RVC report 2018 (<http://www.euro.who.int/en/health-topics/communicable-diseases/measles-and-rubella/publications/2018/7th-meeting-of-the-european-regional-verification-commission-for-measles-and-rubella-elimination-rvc-report>)

**Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy

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