

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

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

Country	Total Population in 2017 ¹	Incidence Rate Jul 17 - Jun 18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	
Albania	2 911 428	0.69	2	0	0	1	0	1	0	0	0	0	0	0	-	May-18
Andorra	68 727	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Armenia	3 031 670	6.27	19	0	0	0	1	0	0	0	2	14	1	1	0	Jun-18
Austria	8 592 400	9.08	78	2	2	1	2	8	1	7	8	14	16	11	6	Jun-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Belarus	9 458 535	11.00	104	0	0	0	0	0	0	0	17	41	46	0	-	May-18
Belgium	11 443 830	8.21	94	16	0	2	0	3	1	1	6	9	11	23	22	Jun-18
Bosnia and Herzegovina	3 792 759	13.18	50	3	1	2	2	3	0	5	7	14	13	-	-	Apr-18
Bulgaria	7 045 259	1.56	11	6	0	0	0	0	0	1	0	2	1	1	0	Jun-18
Croatia	4 209 815	4.51	19	0	0	0	0	0	0	0	0	0	1	2	16	Jun-18
Cyprus	1 187 575	12.63	15	0	0	0	0	0	1	5	7	2	0	0	0	Jun-18
Czech Republic	10 555 130	12.98	137	1	0	0	0	9	1	0	0	59	44	23	0	Jun-18
Denmark	5 711 837	1.05	6	0	3	0	0	0	0	0	0	3	0	0	0	Jun-18
Estonia	1 305 755	7.66	10	0	0	0	0	0	0	0	0	4	6	0	0	Jun-18
Finland	5 541 274	2.35	13	7	2	0	0	0	0	0	0	0	0	4	0	Jun-18
France	64 938 716	42.21	2741	39	15	19	13	11	65	237	523	764	624	250	181	Jun-18
Georgia	3 972 532	307.36	1221	1	9	9	1	13	60	125	159	158	221	253	212	Jun-18
Germany	80 636 124	6.30	508	46	33	8	8	12	19	29	34	61	95	86	77	Jun-18
Greece	10 892 931	293.03	3192	13	93	114	192	304	346	466	454	499	368	248	95	Jun-18
Hungary	9 787 905	3.47	34	9	10	1	1	0	0	2	5	6	0	0	0	Jun-18
Iceland	334 303	2.99	1	0	0	0	0	1	0	0	0	0	0	0	0	Jun-18
Ireland	4 749 153	20.00	95	0	0	0	12	9	3	11	23	19	12	5	1	Jun-18
Israel	8 323 248	18.14	151	0	0	0	0	0	0	0	0	9	33	35	74	Jun-18
Italy	59 797 978	55.90	3343	599	251	166	127	66	114	211	296	375	465	413	260	Jun-18
Kazakhstan	18 064 470	0.06	1	0	0	0	0	0	0	0	0	0	1	0	-	May-18
Kyrgyzstan	6 124 945	51.10	313	0	0	0	0	2	2	30	15	32	68	73	91	Jun-18
Latvia	1 944 565	10.29	20	0	0	0	0	0	5	8	2	0	2	3	0	Jun-18
Lithuania	2 830 582	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Luxembourg	584 103	3.42	2	0	0	0	0	1	0	0	0	0	1	0	0	Jun-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Monaco	38 010	-	-	-	-	0	0	0	-	0	0	0	0	-	0	Jun-18
Montenegro	626 250	51.10	32	0	0	0	-	0	0	9	19	4	0	0	-	May-18
Netherlands	17 032 845	1.64	28	1	1	1	3	0	0	0	4	4	0	4	10	Jun-18
Norway	5 330 800	1.50	8	1	0	0	0	0	0	0	4	0	1	2	0	Jun-18
Poland	38 563 573	2.46	95	1	3	13	11	2	6	19	7	5	12	8	8	Jun-18
Portugal	10 264 797	12.18	125	0	0	0	0	0	0	0	4	108	13	0	0	Jun-18
Republic of Moldova	4 054 640	9.13	37	0	0	0	0	0	0	1	1	0	0	18	17	Jun-18
Romania	19 237 513	70.54	1357	100	102	236	102	101	100	100	100	100	104	100	112	Jun-18
Russian Federation	143 375 006	14.64	2099	66	56	92	130	194	165	292	287	300	219	147	151	Jun-18
San Marino	32 104	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Serbia	8 776 940	643.16	5645	0	0	0	13	286	392	901	1230	1522	684	447	170	Jun-18
Slovakia	5 432 157	18.96	103	0	0	0	0	0	9	1	0	1	3	23	66	Jun-18
Slovenia	2 071 252	4.35	9	0	0	0	0	0	1	2	0	0	0	3	3	Jun-18
Spain	46 070 146	4.49	207	6	6	2	0	1	11	6	14	50	49	41	21	Jun-18
Sweden	9 920 624	4.94	49	0	2	3	1	0	16	12	3	1	4	5	2	Jun-18
Switzerland	8 454 083	7.45	63	1	10	17	4	4	0	7	6	6	3	3	2	Jun-18
Tajikistan	8 858 115	1.47	13	11	2	0	0	0	0	0	0	0	0	0	0	Jun-18
The former Yugoslav Republic of Macedonia	2 083 308	15.36	32	0	-	11	8	0	1	5	5	1	0	1	-	May-18
Turkey	80 417 526	4.20	338	0	11	1	3	14	5	2	5	51	77	168	1	Jun-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	605.65	26894	428	242	248	505	1001	1400	3030	3099	2618	3812	5629	4882	Jun-18
United Kingdom	65 511 098	14.46	947	22	14	18	22	65	46	58	82	150	207	175	88	Jun-18
Uzbekistan	30 690 914	0.20	6	0	0	0	0	0	0	0	0	0	0	2	4	Jun-18
Total/Averages	914 981 109	54.94	50267	1379	868	965	1161	2111	2770	5583	6428	7006	7217	8207	6572	

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 July 2017 — June 2018 (data as of 1 August 2018)

Country	Total Population in 2017 ¹	Incidence Rate Jul 17 - Jun 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	
Albania	2 911 428	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	May-18
Andorra	68 727	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Armenia	3 031 670	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Austria	8 592 400	2.33	20	0	0	0	2	6	7	5	0	0	0	0	0	Jun-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Belarus	9 458 535	0.21	2	0	0	0	1	0	0	1	0	0	0	0	-	May-18
Belgium ³	11 443 830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 792 759	0.26	1	0	1	0	0	0	0	0	0	0	0	-	-	Apr-18
Bulgaria	7 045 259	0.14	1	0	0	0	0	0	0	0	0	0	1	0	0	Jun-18
Croatia	4 209 815	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Cyprus	1 187 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Czech Republic	10 555 130	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Denmark ³	5 711 837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Estonia	1 305 755	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Finland	5 541 274	0.18	1	0	0	0	1	0	0	0	0	0	0	0	0	Jun-18
France ³	64 938 716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 972 532	0.50	2	1	0	0	0	1	0	0	0	0	0	0	0	Jun-18
Germany	80 636 124	0.72	58	5	5	3	11	4	2	6	3	5	5	3	6	Jun-18
Greece	10 892 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Hungary	9 787 905	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Iceland	334 303	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Ireland	4 749 153	0.63	3	0	0	0	0	0	0	0	1	0	1	1	0	Jun-18
Israel	8 323 248	0.12	1	0	0	0	0	0	0	0	0	1	0	0	0	Jun-18
Italy	59 797 978	0.45	27	3	1	3	2	2	2	1	2	2	4	2	3	Jun-18
Kazakhstan	18 064 470	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	May-18
Kyrgyzstan	6 124 945	1.31	8	0	0	0	0	1	1	3	0	3	0	0	0	Jun-18
Latvia	1 944 565	1.54	3	0	0	0	0	0	0	1	1	0	1	0	0	Jun-18
Lithuania	2 830 582	0.35	1	0	0	0	0	0	0	0	0	0	0	1	0	Jun-18
Luxembourg	584 103	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 250	0.00	0	0	0	0	-	0	0	0	0	0	0	0	-	May-18
Netherlands	17 032 845	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Norway	5 330 800	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Poland	38 563 573	12.71	490	43	37	30	34	31	33	36	43	42	48	58	55	Jun-18
Portugal	10 264 797	0.29	3	0	0	2	0	0	0	0	1	0	0	0	0	Jun-18
Republic of Moldova	4 054 640	0.00	0	0	0	0	0	-	0	0	0	0	0	0	0	Jun-18
Romania	19 237 513	0.42	8	1	2	0	1	0	0	1	0	1	1	0	1	Jun-18
Russian Federation	143 375 006	0.03	5	0	1	0	1	0	1	0	0	0	0	2	0	Jun-18
San Marino	32 104	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Slovakia	5 432 157	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Slovenia	2 071 252	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Spain	46 070 146	0.07	3	1	0	0	0	0	0	0	0	0	1	1	0	Jun-18
Sweden	9 920 624	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Switzerland	8 454 083	0.24	2	0	0	0	0	0	0	0	1	0	0	1	0	Jun-18
Tajikistan	8 858 115	0.00	0	0	0	0	0	-	0	-	0	0	0	0	0	Jun-18
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0	-	0	0	0	0	0	0	0	0	-	-	Apr-18
Turkey	80 417 526	0.11	9	0	0	0	0	0	0	1	0	4	3	1	0	Jun-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	3.31	147	-	-	-	-	-	-	24	42	17	32	20	12	Jun-18
United Kingdom	65 511 098	0.05	3	0	0	0	1	1	0	0	1	0	0	0	0	Jun-18
Uzbekistan	30 690 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-18
Total/Averages	914 981 109	0.87	798	54	47	38	54	46	46	79	95	75	97	90	77	

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 — June 2018 (data as of 1 August 2018)

Country	Total Population in 2017 ¹	2017 (as of 01 August 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	2 911 428	0.00	3	0	0.00	0	0	0	0	0	0	-	83%	17%	May-18	-	0.00	-	-
Andorra	68 727	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	100%	Jun-18	-	0.00	-	-
Armenia	3 031 670	0.33	1	0	0.33	18	18	0	0	154	16	0	100%	67%	Jun-18	100%	5.08	9.9%	99%
Austria	8 592 400	9.66	94	0	2.73	62	55	6	1	16	15	0	100%	100%	Jun-18	81%	0.19	79.5%	15%
Azerbaijan	9 973 697	0.00	0	0	0.00	0	0	0	0	62	0	0	100%	100%	Jun-18	100%	0.62	0	100%
Belarus	9 458 535	0.00	1	0	5.50	104	104	0	0	174	0	0	83%	33%	May-18	100%	1.84	0	0
Belgium	11 443 830	32.07	367	0	3.15	72	56	14	2	0	0	0	100%	100%	Jun-18	-	-	-	-
Bosnia and Herzegovina	3 792 759	7.12	27	0	5.14	39	24	1	14	0	0	0	67%	17%	Apr-18	-	-	-	-
Bulgaria	7 045 259	23.42	166	1	0.00	5	5	0	0	0	5	0	100%	100%	Jun-18	100%	0.00	100.0%	100%
Croatia	4 209 815	1.66	7	0	1.66	19	19	0	0	4	5	0	100%	83%	Jun-18	100%	0.10	82.6%	0
Cyprus	1 187 575	0.84	4	0	3.79	14	14	0	0	0	5	0	100%	100%	Jun-18	100%	0.00	100.0%	0
Czech Republic	10 555 130	13.45	146	0	4.50	126	126	0	0	0	31	0	100%	67%	Jun-18	1%	0.00	100.0%	0
Denmark	5 711 837	0.35	4	0	0.26	3	3	0	0	0	0	0	100%	100%	Jun-18	100%	0.00	100.0%	0
Estonia	1 305 755	0.00	1	0	2.68	10	10	0	0	41	3	0	100%	100%	Jun-18	100%	3.14	19.6%	100%
Finland	5 541 274	0.72	10	0	0.18	4	4	0	0	0	2	0	100%	100%	Jun-18	100%	0.00	50.0%	0
France	64 938 716	7.53	519	1	19.35	2579	1118	560	901	0	66	2	100%	100%	Jun-18	79%	0.00	83.0%	0%
Georgia	3 972 532	23.66	96	0	141.97	1128	869	65	194	321	0	2	100%	83%	Jun-18	86%	8.08	77.5%	96%
Germany	80 636 124	10.79	936	1	2.16	382	313	49	20	0	33	0	100%	100%	Jun-18	92%	0.00	80.1%	0
Greece	10 892 931	97.68	1067	2	97.72	2130	1203	490	437	67	1	2	100%	100%	Jun-18	74%	0.62	7.0%	0
Hungary	9 787 905	3.17	36	0	0.36	13	13	0	0	14	6	0	100%	100%	Jun-18	100%	0.14	44.4%	93%
Iceland	334 303	2.99	3	0	0.00	0	0	0	0	0	0	-	100%	100%	Jun-18	-	0.00	-	-
Ireland	4 749 153	5.26	25	0	7.37	71	50	2	19	0	1	0	100%	100%	Jun-18	88%	0.00	71.8%	79%
Israel	8 323 248	1.80	16	0	8.89	151	116	32	3	0	3	0	100%	50%	Jun-18	100%	0.00	2.0%	83%
Italy	59 797 978	89.58	5403	4	16.58	2020	1507	112	401	121	37	4	100%	100%	Jun-18	81%	0.20	83.9%	0
Kazakhstan	18 064 470	0.11	2	0	0.03	1	1	0	0	0	0	0	83%	83%	May-18	-	-	-	-
Kyrgyzstan	6 124 945	0.49	5	0	24.90	309	274	15	20	264	4	0	100%	50%	Jun-18	96%	4.31	53.9%	73%
Latvia	1 944 565	2.06	5	0	3.09	15	15	0	0	0	3	0	100%	100%	Jun-18	100%	0.00	20.0%	100%
Lithuania	2 830 582	0.00	2	0	0.00	0	0	0	0	0	0	0	100%	83%	Jun-18	-	0.00	-	-
Luxembourg	584 103	1.71	4	0	0.00	1	1	0	0	0	1	0	100%	100%	Jun-18	100%	0.00	100.0%	100%
Malta	420 521	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	100%	Jun-18	-	0.00	-	-
Monaco	38 010	0.00	0	-	0.00	0	0	0	0	0	0	-	83%	67%	Jun-18	-	0.00	-	-
Montenegro	626 250	0.00	0	0	23.95	32	3	0	29	1	2	0	83%	50%	May-18	15%	0.16	6.1%	9%
Netherlands	17 032 845	0.59	16	0	0.47	22	20	2	0	0	6	0	100%	100%	Jun-18	50%	0.00	100.0%	0
Norway	5 330 800	0.00	1	0	0.28	7	7	0	0	0	4	0	100%	100%	Jun-18	100%	0.00	71.4%	100%
Poland	38 563 573	1.37	63	0	0.62	59	42	5	12	0	11	0	100%	100%	Jun-18	85%	0.00	100.0%	100%
Portugal	10 264 797	3.12	34	1	5.94	125	117	0	8	307	3	0	100%	83%	Jun-18	98%	2.99	26.6%	81%
Republic of Moldova	4 054 640	0.00	0	-	4.56	37	36	1	0	0	0	0	100%	83%	Jun-18	-	-	-	-
Romania	19 237 513	371.36	7167	22	15.91	616	532	65	19	0	4	3	100%	100%	Jun-18	97%	0.00	100.0%	100%
Russian Federation	143 375 006	5.92	874	0	4.72	1396	1340	40	16	1476	43	2	100%	100%	Jun-18	99%	1.03	48.6%	49%
San Marino	32 104	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	67%	Jun-18	-	0.00	-	-
Serbia	8 776 940	79.98	702	1	282.22	4954	2577	0	2377	0	0	14	100%	100%	Jun-18	-	-	-	-
Slovakia	5 432 157	1.47	11	0	8.10	94	62	32	0	5	6	0	100%	100%	Jun-18	4%	0.09	88.9%	98%
Slovenia	2 071 252	2.41	7	0	1.45	8	8	0	0	0	2	0	100%	100%	Jun-18	88%	0.00	37.5%	100%
Spain	46 070 146	2.84	149	0	1.85	181	178	3	0	66	11	0	100%	100%	Jun-18	100%	0.14	6.1%	96%
Sweden	9 920 624	3.53	46	0	0.66	27	26	0	1	0	14	0	100%	100%	Jun-18	96%	0.00	100.0%	0
Switzerland	8 454 083	11.59	105	1	0.65	27	24	3	0	69	16	0	100%	100%	Jun-18	100%	0.82	26.0%	29%
Tajikistan	8 858 115	73.27	649	0	0.00	0	0	0	0	45	0	0	100%	83%	Jun-18	100%	0.51	0	87%
The former Yugoslav Republic of Macedonia	2 083 308	9.60	20	0	2.88	12	10	1	1	0	0	0	83%	50%	May-18	-	-	-	-
Turkey	80 417 526	0.82	69	0	1.57	304	303	1	0	1790	51	0	100%	50%	Jun-18	100%	2.23	2.5%	97%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	107.69	4782	5	259.77	23070	3977	0	19093	0	0	8	100%	67%	Jun-18	-	-	-	-
United Kingdom	65 511 098	2.34	282	0	5.25	760	760	0	0	0	72	0	100%	83%	Jun-18	100%	0.00	97.6%	0
Uzbekistan	30 690 914	0.00	0	0	0.10	6	6	0	0	26	0	0	100%	83%	Jun-18	100%	0.08	18.8%	28%
Total/Averages	914 981 109	25.67	23927	39	22.15	41013	15946	1499	23568	5023	482	37	95.6%	83.0%		88.9%	0.61	52.3%	40.6%

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 — June 2018 (data as of 1 August 2018)

Country	Total Population in 2017 ¹	2017 (as of 01 August 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	2 911 428	0.00	0	0.00	0	0	0	0	0	0	83%	17%	May-18	-	0.00	-	-
Andorra	68 727	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Armenia	3 031 670	0.00	0	0.00	0	0	0	0	2	0	100%	67%	Jun-18	100%	0.07	0%	100%
Austria	8 592 400	4.54	42	0.29	5	5	0	0	0	0	100%	100%	Jun-18	100%	0.00	100%	0%
Azerbaijan	9 973 697	0.00	0	0.00	0	0	0	0	35	0	100%	100%	Jun-18	100%	0.35	0%	100%
Belarus	9 458 535	0.11	1	0.00	1	1	0	0	174	1	83%	50%	May-18	1%	1.84	1%	0%
Belgium ⁸	11 443 830	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 792 759	0.26	1	0.00	0	0	0	0	0	0	67%	17%	Apr-18	-	-	-	-
Bulgaria	7 045 259	0.00	0	0.07	1	0	0	1	0	0	100%	100%	Jun-18	0%	0.00	0%	100%
Croatia	4 209 815	0.00	0	0.00	0	0	0	0	0	0	100%	67%	Jun-18	-	0.00	-	-
Cyprus	1 187 575	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Czech Republic	10 555 130	0.09	2	0.00	0	0	0	0	0	0	100%	17%	Jun-18	-	0.00	-	-
Denmark ⁸	5 711 837	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 305 755	0.00	0	0.00	0	0	0	0	7	0	100%	100%	Jun-18	100%	0.54	0%	100%
Finland	5 541 274	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
France ⁸	64 938 716	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 972 532	1.26	5	0.00	0	0	0	0	52	0	100%	33%	Jun-18	67%	1.31	0%	100%
Germany	80 636 124	0.91	74	0.17	28	7	0	21	0	0	100%	100%	Jun-18	25%	0.00	54%	0%
Greece	10 892 931	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Hungary	9 787 905	0.00	0	0.00	0	0	0	0	5	0	100%	50%	Jun-18	100%	0.05	0%	100%
Iceland	334 303	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Ireland	4 749 153	0.00	0	0.32	3	0	0	3	0	0	100%	100%	Jun-18	0%	0.00	33%	33%
Israel	8 323 248	0.00	0	0.06	1	0	0	1	0	0	100%	50%	Jun-18	100%	0.00	0%	100%
Italy	59 797 978	1.12	68	0.11	14	7	2	5	7	1	100%	100%	Jun-18	89%	0.01	43%	0%
Kazakhstan	18 064 470	0.00	0	0.00	0	0	0	0	0	0	83%	83%	May-18	-	-	-	-
Kyrgyzstan	6 124 945	0.65	4	0.49	6	6	0	0	4	0	100%	50%	Jun-18	100%	0.07	60%	80%
Latvia	1 944 565	0.00	0	0.51	3	3	0	0	0	1	100%	83%	Jun-18	100%	0.00	100%	33%
Lithuania	2 830 582	0.00	0	0.18	1	1	0	0	0	0	100%	83%	Jun-18	100%	0.00	100%	0%
Luxembourg	584 103	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Malta	420 521	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 250	0.00	0	0.00	0	0	0	0	0	0	83%	50%	May-18	-	0.00	-	-
Netherlands	17 032 845	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Norway	5 330 800	0.00	0	0.00	0	0	0	0	0	0	100%	83%	Jun-18	-	0.00	-	-
Poland	38 563 573	12.34	476	3.66	282	3	1	278	0	0	100%	100%	Jun-18	-	-	-	-
Portugal	10 264 797	0.39	4	0.00	1	0	0	1	5	1	100%	83%	Jun-18	83%	0.05	17%	67%
Republic of Moldova	4 054 640	0.00	0	0.00	0	0	0	0	0	0	100%	83%	Jun-18	-	-	-	-
Romania	19 237 513	0.47	9	0.10	4	2	0	2	0	0	100%	67%	Jun-18	75%	0.00	100%	100%
Russian Federation	143 375 006	0.04	7	0.00	2	2	0	0	0	1	100%	100%	Jun-18	100%	0.00	100%	100%
San Marino	32 104	0.00	0	0.00	0	0	0	0	0	0	100%	67%	Jun-18	-	0.00	-	-
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Slovakia	5 432 157	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Slovenia	2 071 252	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Spain	46 070 146	0.00	1	0.02	2	2	0	0	1	0	100%	100%	Jun-18	100%	0.00	0%	100%
Sweden	9 920 624	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Jun-18	-	0.00	-	-
Switzerland	8 454 083	0.12	1	0.12	2	2	0	0	15	0	100%	100%	Jun-18	94%	0.18	0%	6%
Tajikistan	8 858 115	0.11	1	0.00	0	0	0	0	15	0	83%	83%	Jun-18	100%	0.17	0%	100%
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0.00	0	0	0	0	0	0	67%	33%	Apr-18	-	-	-	-
Turkey	80 417 526	0.02	2	0.06	9	9	0	0	0	0	100%	50%	Jun-18	100%	0.00	11%	89%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	-	-	1.66	147	10	0	137	0	0	100%	50%	Jun-18	-	-	-	-
United Kingdom	65 511 098	0.00	3	0.00	1	1	0	0	0	1	100%	67%	Jun-18	100%	0.00	100%	0%
Uzbekistan	30 690 914	0.03	1	0.00	0	0	0	0	5	0	100%	83%	Jun-18	100%	0.02	0%	60%
Total/Averages	914 981 109	0.76	703	0.28	513	61	3	449	327	6	87.7%	71.1%		46.0%	0.05	12.2%	18.2%

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 — June 2018 (data as of 1 August 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	2345	1182 (50.0)	B3	0%	0	0	-	-	100%	50%	Jun-18
Andorra			-				-	-			No Lab
Armenia	140	17 (12.0)	D8	0%	140	0 (0.0)	-	-	67%	33%	Apr-18
Austria	825	49 (6.0)	B3,D8	100%	2616	9 (0.0)	-	-	100%	100%	Jun-18
Azerbaijan	96	0 (0.0)	-	-	155	0 (0.0)	-	-	100%	100%	Jun-18
Belarus	506	212 (42.0)	B3,D8	100%	270	3 (1.0)	2B	100%	100%	83%	Jun-18
Belgium	187	60 (32.0)	B3,D8	65%	69	5 (7.0)	-	-	100%	33%	Jun-18
Bosnia and Herzegovina	71	28 (39.0)	B3	67%	71	4 (6.0)	-	-	100%	100%	Jun-18
Bulgaria	96	10 (10.0)	B3	100%	43	0 (0.0)	-	-	100%	83%	Jun-18
Croatia	75	-	B3,D8	83%	25	0 (0.0)	-	-	100%	17%	Jun-18
Cyprus	103	17 (17.0)	-	-	126	0 (0.0)	-	-	67%	67%	Apr-18
Czech Republic	410	136 (33.0)	D8	50%	0	0	-	-	100%	100%	Jun-18
Denmark	480	17 (4.0)	D8	100%	18	1 (6.0)	-	-	100%	100%	Jun-18
Estonia	132	17 (13.0)	-	-	231	1 (0.0)	-	-	100%	100%	Jun-18
Finland	70	11 (16.0)	D8	100%	70	4 (6.0)	-	-	100%	100%	Jun-18
France	1211	465 (38.0)	B3, D8	7%	411	0 (0.0)	-	-	100%	50%	Jun-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	524	444 (85.0)	B3	7%	0	0	-	-	100%	17%	Jun-18
Hungary	180	27 (15.0)	B3,D8	100%	78	0 (0.0)	-	-	100%	100%	Jun-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	1049	100 (10.0)	B3,D8	100%	1124	0 (0.0)	-	-	100%	100%	Jun-18
Israel	545	182 (33.0)	D8	100%	672	124 (18.0)	-	-	100%	83%	Jun-18
Italy	1611	923 (57.0)	B3,D8	56%	774	54 (7.0)	-	-	100%	100%	Jun-18
Kazakhstan	37	2 (5.0)	-	-	36	0 (0.0)	-	-	100%	100%	Jun-18
Kyrgyzstan	526	246 (47.0)	B3	0%	478	7 (1.0)	-	-	100%	100%	Jun-18
Latvia	753	67 (9.0)	B3	93%	559	11 (2.0)	-	-	83%	33%	May-18
Lithuania	29	0 (0.0)	-	-	28	2 (7.0)	-	-	100%	83%	Jun-18
Luxembourg	25	1 (4.0)	D8	100%	0	0	-	-	100%	100%	Jun-18
Malta	40	6 (15.0)	D8	100%	373	0 (0.0)	-	-	100%	100%	Jun-18
Monaco											No Lab
Montenegro											No Lab
Netherlands	34	12 (35.0)	B3,D8	100%	31	0 (0.0)	-	-	100%	100%	Jun-18
Norway	-		B3,D8	100%	-		-	-	-	-	No Report
Poland	-		D8	44%	-		-	-	-	-	No Report
Portugal	989	110 (11.0)	B3, D8	29%	2	1 (50.0)	-	-	100%	67%	Jun-18
Republic of Moldova	83	36 (43.0)	-	-	68	0 (0.0)	-	-	100%	100%	Jun-18
Romania	4080	3452 (85.0)	B3	68%	536	2 (0.0)	-	-	100%	50%	Jun-18
Russian Federation	4136	1655 (40.0)	B3,D8	71%	3096	23 (1.0)	-	-	100%	100%	Jun-18
San Marino											No Lab
Serbia	2221	1334 (60.0)	B3	0%	843	6 (1.0)	-	-	50%	50%	Mar-18
Slovakia	134	26 (19.0)	D8	0%	2	0 (0.0)	-	-	100%	100%	Jun-18
Slovenia	234	16 (7.0)	B3	100%	86	0 (0.0)	-	-	100%	100%	Jun-18
Spain	-	-	B3,D8,D4	63%	-		-	-	-	-	No Report
Sweden	1740	92 (5.0)	B3,D8	100%	662	3 (0.0)	-	-	67%	50%	Apr-18
Switzerland	102	36 (35.0)	B3,D8	88%	4	4 (100.0)	-	-	100%	100%	Jun-18
Tajikistan	61	0 (0.0)	-	-	59	0 (0.0)	-	-	83%	83%	Jun-18
The former Yugoslav Republic of Macedonia	17	7 (41.0)	-	-	3	0 (0.0)	-	-	50%	0%	May-18
Turkey	3852	414 (11.0)	-	-	3327	58 (2.0)	-	-	100%	33%	Jun-18
Turkmenistan	77	0 (0.0)	-	-	77	0 (0.0)	-	-	100%	100%	Jun-18
Ukraine	824	429 (52.0)	B3,D8	3%	201	8 (4.0)	-	-	100%	100%	Jun-18
United Kingdom	3214	780 (24.0)	B3,D8	98%	358	4 (1.0)	-	-	100%	100%	Jun-18
Uzbekistan	42	4 (10.0)	-	-	42	0 (0.0)	-	-	100%	100%	Jun-18
Total / Average	33906	12639 (37%)	-	70%	17764	334 (2%)	-	100%	76.7%	63.5%	

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).

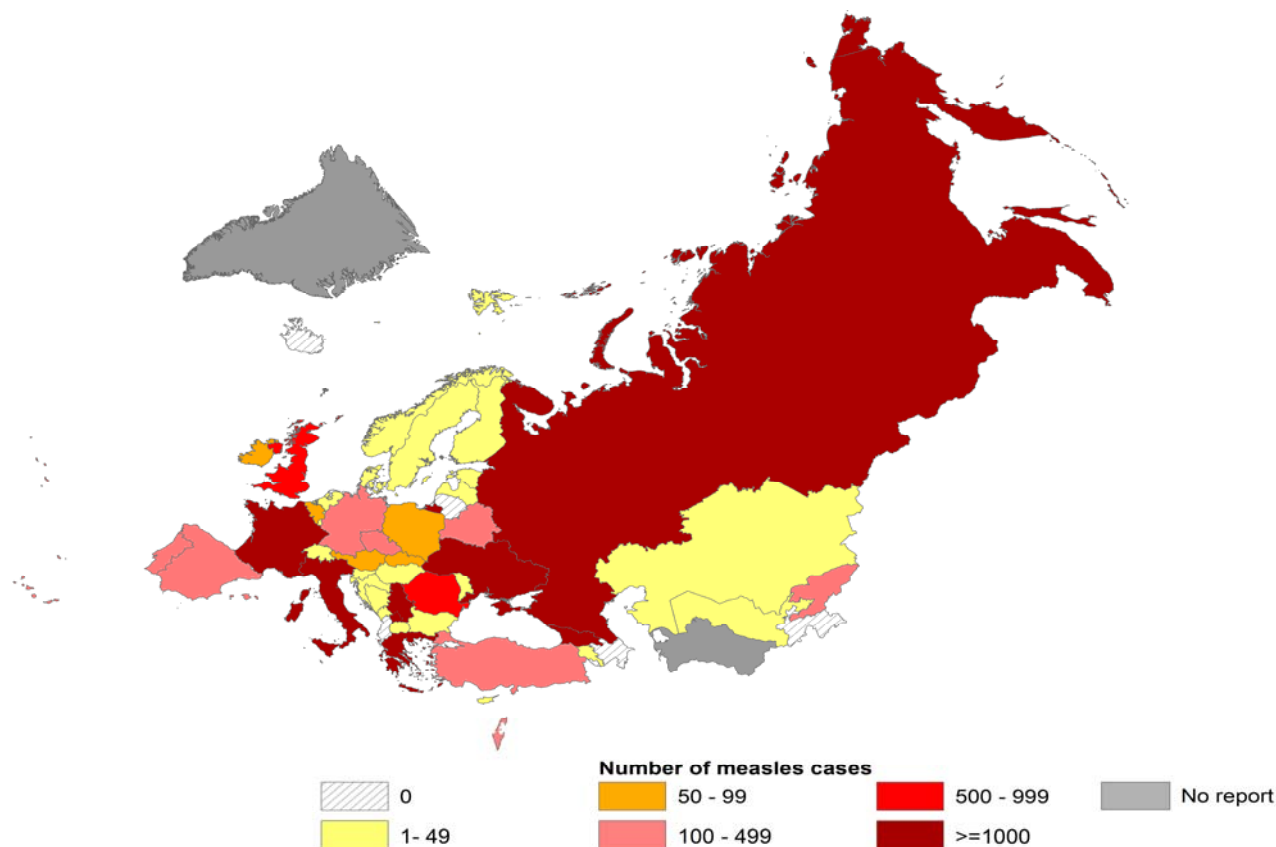
² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

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.

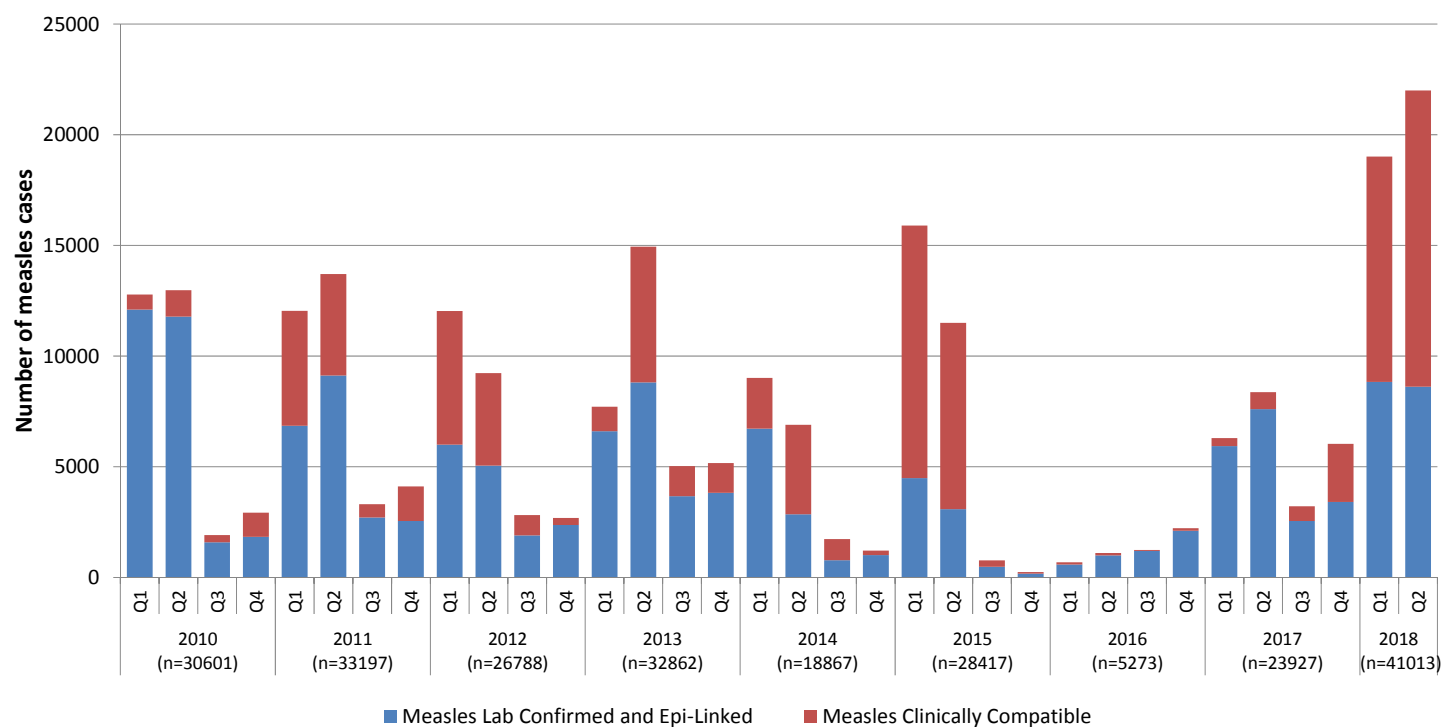
**Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.*

Figure 1: Map of Measles Cases in European Region, Jan to Jun 2018 (n=41013) (data as of 1 August 2018)*



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: Quarterly distribution of measles cases in the European Region, Jan 2010 to Jun 2018* (data as of 01 August 2018)



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

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