

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

Table 1: Reported measles cases for the period May 2017 — April 2018 (data as of 31 May 2018)

Country	Total Population in 2017 ¹	Incidence Rate May 17 - Apr 18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	
Albania	2 911 428	0.00	0	0	0	0	0	0	0	-	-	-	-	-	-	Oct-17
Andorra	68 727	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Armenia	3 031 670	2.31	7	0	-	0	0	0	1	0	0	0	2	4	-	Mar-18
Austria	8 592 400	7.80	67	7	0	2	2	1	2	8	1	7	8	14	15	Apr-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Belarus	9 458 535	3.59	34	0	0	0	0	0	0	0	0	0	17	17	-	Mar-18
Belgium	11 443 830	9.26	106	21	34	16	0	2	0	3	1	1	6	11	11	Apr-18
Bosnia and Herzegovina	3 792 759	13.71	52	-	2	3	1	2	2	3	0	5	7	14	13	Apr-18
Bulgaria	7 045 259	14.90	105	56	39	6	0	0	0	0	0	1	0	2	1	Apr-18
Croatia	4 209 815	0.24	1	0	0	0	0	0	0	0	0	0	0	0	1	Apr-18
Cyprus	1 187 575	15.16	18	2	1	0	0	0	0	0	1	5	7	2	0	Apr-18
Czech Republic	10 555 130	14.50	153	36	3	1	0	0	0	9	1	0	0	59	44	Apr-18
Denmark	5 711 837	1.05	6	0	0	0	3	0	0	0	0	0	0	3	0	Apr-18
Estonia	1 305 755	7.66	10	1	0	0	0	0	0	0	0	0	0	4	5	Apr-18
Finland	5 541 274	1.80	10	0	1	7	2	0	0	0	0	0	0	0	0	Apr-18
France	64 938 716	37.54	2438	115	43	39	15	19	13	11	65	237	523	762	596	Apr-18
Georgia	3 972 532	190.81	758	0	1	1	9	9	1	13	60	125	159	158	222	Apr-18
Germany	80 636 124	5.98	482	125	39	46	33	8	8	12	19	29	34	61	68	Apr-18
Greece	10 892 931	252.64	2752	3	2	13	93	114	192	304	345	465	451	481	289	Apr-18
Hungary	9 787 905	3.47	34	0	0	9	10	1	1	0	0	2	5	6	0	Apr-18
Iceland	334 303	2.99	1	0	0	0	0	0	0	1	0	0	0	0	0	Apr-18
Ireland	4 749 153	18.74	89	0	0	0	0	0	12	9	3	11	23	19	12	Apr-18
Israel	8 323 248	6.85	57	7	9	0	0	0	0	0	0	0	0	8	33	Apr-18
Italy	59 797 978	67.46	4034	804	661	602	252	166	126	66	116	208	289	355	389	Apr-18
Kazakhstan	18 064 470	0.17	3	1	1	0	0	0	0	0	0	0	0	0	1	Apr-18
Kyrgyzstan	6 124 945	4.73	29	0	0	0	0	0	0	2	2	25	0	-	-	Feb-18
Latvia	1 944 565	7.71	15	0	0	0	0	0	0	0	5	8	2	0	0	Apr-18
Lithuania	2 830 582	0.35	1	0	1	0	0	0	0	0	0	0	0	0	0	Apr-18
Luxembourg	584 103	3.42	2	0	0	0	0	0	0	1	0	0	0	0	1	Apr-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Monaco	38 010	-	-	-	-	-	-	0	0	0	-	0	0	0	0	Apr-18
Montenegro	626 250	51.10	32	0	0	0	0	0	-	0	0	9	19	4	-	Mar-18
Netherlands	17 032 845	1.06	18	6	2	1	1	1	3	0	0	0	2	2	0	Apr-18
Norway	5 330 800	1.13	6	0	0	1	0	0	0	0	0	0	4	0	1	Apr-18
Poland	38 563 573	2.07	80	5	5	1	3	13	11	2	6	18	7	5	4	Apr-18
Portugal	10 264 797	12.57	129	4	0	0	0	0	0	0	0	0	4	108	13	Apr-18
Republic of Moldova	4 054 640	0.49	2	0	0	0	0	0	0	0	0	1	1	0	0	Apr-18
Romania	19 237 513	110.67	2129	1029	100	100	102	91	102	101	100	100	100	100	104	Apr-18
Russian Federation	143 375 006	11.56	1657	53	54	66	56	92	130	194	165	284	224	205	134	Apr-18
San Marino	32 104	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-18
Serbia	8 776 940	573.43	5033	4	1	0	0	0	13	286	392	901	1230	1522	684	Apr-18
Slovakia	5 432 157	2.39	13	0	0	0	0	0	0	0	9	1	0	1	2	Apr-18
Slovenia	2 071 252	1.45	3	0	0	0	0	0	0	0	1	2	0	0	0	Apr-18
Spain	46 070 146	4.21	194	37	16	6	6	2	0	1	11	6	14	50	45	Apr-18
Sweden	9 920 624	4.33	43	3	0	0	2	3	1	0	16	12	3	1	2	Apr-18
Switzerland	8 454 083	6.86	58	0	0	1	10	17	4	4	0	7	6	6	3	Apr-18
Tajikistan	8 858 115	24.05	213	149	51	11	2	0	0	0	0	0	0	0	0	Apr-18
The former Yugoslav Republic of Macedonia	2 083 308	14.88	31	0	0	0	-	11	8	0	1	5	5	1	0	Apr-18
Turkey	80 417 526	2.42	195	17	0	0	11	1	3	14	5	2	5	51	86	Apr-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	300.80	13357	317	469	428	242	248	505	1001	1400	3030	3099	2618	-	Mar-18
United Kingdom	65 511 098	7.19	471	34	25	22	14	18	22	65	46	57	79	89	0	Apr-18
Uzbekistan	30 690 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Total/Averages	914 981 109	38.17	34928	2836	1560	1382	869	819	1160	2110	2771	5564	6335	6743	2779	

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

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

² Incidence not meeting the target (<1) is highlighted in red.

Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine.

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 May 2017 — April 2018 (data as of 31 May 2018)

Country	Total Population in 2017 ¹	Incidence Rate May 17 - Apr 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	
Albania	2 911 428	0.00	0	0	0	0	0	0	0	-	-	-	-	-	-	Oct-17
Andorra	68 727	0.00	0	0	-	0	0	0	0	0	0	0	0	0	0	Apr-18
Armenia	3 031 670	0.00	0	0	-	0	0	0	0	0	0	0	0	-	-	Mar-18
Austria	8 592 400	2.44	21	1	0	0	0	0	2	6	7	5	0	0	0	Apr-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Belarus	9 458 535	0.11	1	0	0	0	0	0	0	0	0	1	0	0	-	Mar-18
Belgium ³	11 443 830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 792 759	0.26	1	-	0	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	0	0	1	Apr-18
Croatia	4 209 815	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Cyprus	1 187 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Czech Republic	10 555 130	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-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	Apr-18
Finland	5 541 274	0.18	1	0	0	0	0	0	1	0	0	0	0	0	0	Apr-18
France ³	64 938 716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 972 532	0.76	3	0	1	1	0	0	0	1	0	0	0	0	0	Apr-18
Germany	80 636 124	0.78	63	7	7	5	5	3	11	4	2	6	3	5	5	Apr-18
Greece	10 892 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Hungary	9 787 905	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Iceland	334 303	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Ireland	4 749 153	0.42	2	0	0	0	0	0	0	0	0	0	1	0	1	Apr-18
Israel	8 323 248	0.12	1	0	0	0	0	0	0	0	0	0	0	1	0	Apr-18
Italy	59 797 978	0.67	40	12	6	3	1	3	2	2	2	1	2	2	4	Apr-18
Kazakhstan	18 064 470	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Kyrgyzstan	6 124 945	0.65	4	0	0	0	0	0	0	1	1	2	0	-	-	Feb-18
Latvia	1 944 565	1.03	2	0	0	0	0	0	0	0	0	1	1	0	0	Apr-18
Lithuania	2 830 582	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Luxembourg	584 103	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 250	0.00	0	0	0	0	0	0	-	0	0	0	0	0	-	Mar-18
Netherlands	17 032 845	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Norway	5 330 800	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Poland	38 563 573	12.45	480	57	44	43	37	30	34	31	33	34	43	44	50	Apr-18
Portugal	10 264 797	0.29	3	0	0	0	0	2	0	0	0	0	1	0	0	Apr-18
Republic of Moldova	4 054 640	0.00	0	0	0	0	0	0	0	-	0	0	0	0	0	Apr-18
Romania	19 237 513	0.42	8	2	0	1	2	0	1	0	0	1	0	1	0	Apr-18
Russian Federation	143 375 006	0.03	5	2	0	0	1	0	1	0	1	0	0	0	0	Apr-18
San Marino	32 104	-	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-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	Apr-18
Slovenia	2 071 252	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Spain	46 070 146	0.02	1	0	0	1	0	0	0	0	0	0	0	0	0	Apr-18
Sweden	9 920 624	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Switzerland	8 454 083	0.24	2	1	0	0	0	0	0	0	0	0	1	0	0	Apr-18
Tajikistan	8 858 115	0.00	0	0	0	0	0	0	0	-	0	-	0	0	0	Apr-18
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0	0	0	-	0	0	0	0	0	0	0	0	Apr-18
Turkey	80 417 526	0.14	11	2	0	0	0	0	0	0	0	1	1	4	3	Apr-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
United Kingdom	65 511 098	0.05	3	0	0	0	0	0	1	1	0	0	1	0	0	Apr-18
Uzbekistan	30 690 914	0.03	1	1	0	0	0	0	0	0	0	0	0	0	0	Apr-18
Total/Averages	914 981 109	0.71	654	85	58	54	47	38	53	46	46	52	54	57	64	

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

¹ Source: "World Population Prospects: The 2015 Revision", New York, United Nations.² Incidence not meeting the target (<1) is highlighted in red.³ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Poland, Republic of Moldova, the former Yugoslav Republic of Macedonia.

Table 3: Measles classification, reporting and surveillance performance, January — April 2018 (data as of 31 May 2018)

Country	Total Population in 2017 ¹	2017 (as of 31 May 2018)			2018															
		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			Surveillance Indicators				
							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	-	-	-	-	-	-	-	-	-	-	-	-	Oct-17	-	-	-	-
Andorra	68 727	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-	
Armenia	3 031 670	0.33	1	0	0.00	6	6	0	0	39	6	0	75%	50%	Mar-18	100%	1.29	13.3%	100%	
Austria	8 592 400	9.66	94	0	1.28	44	38	5	1	15	11	0	100%	100%	Apr-18	76%	0.17	74.6%	12%	
Azerbaijan	9 973 697	0.00	0	0	0.00	0	0	0	0	41	0	0	100%	100%	Apr-18	100%	0.41	0	100%	
Belarus	9 458 535	0.00	1	0	1.20	34	34	0	0	79	0	0	75%	25%	Mar-18	100%	0.84	0	0	
Belgium	11 443 830	32.07	367	0	0.84	29	26	1	2	0	0	0	100%	100%	Apr-18	-	-	-	-	
Bosnia and Herzegovina	3 792 759	7.12	27	0	3.43	39	24	1	14	0	0	0	100%	25%	Apr-18	-	-	-	-	
Bulgaria	7 045 259	23.42	166	1	0.00	4	4	0	0	0	4	0	100%	100%	Apr-18	100%	0.00	100.0%	100%	
Croatia	4 209 815	1.66	7	0	0.00	1	1	0	0	0	1	0	100%	75%	Apr-18	100%	0.00	100.0%	0	
Cyprus	1 187 575	0.84	4	0	2.53	14	14	0	0	0	5	0	100%	100%	Apr-18	100%	0.00	100.0%	0	
Czech Republic	10 555 130	13.45	146	0	2.40	103	103	0	0	0	27	0	100%	75%	Apr-18	1%	0.00	100.0%	0	
Denmark	5 711 837	0.35	4	0	0.18	3	3	0	0	0	0	0	100%	100%	Apr-18	100%	0.00	100.0%	0	
Estonia	1 305 755	0.00	1	0	1.53	9	9	0	0	26	3	0	100%	100%	Apr-18	100%	1.99	25.7%	100%	
Finland	5 541 274	0.72	10	0	0.00	0	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-	
France	64 938 716	7.53	519	1	10.62	2118	878	465	775	0	50	1	100%	100%	Apr-18	78%	0.00	81.9%	0%	
Georgia	3 972 532	23.66	96	0	55.72	664	511	42	111	239	0	0	100%	0%	Apr-18	87%	6.02	73.1%	96%	
Germany	80 636 124	10.79	936	1	0.69	192	162	14	16	0	24	0	100%	100%	Apr-18	89%	0.00	79.7%	0	
Greece	10 892 931	97.59	1066	2	51.59	1686	1011	343	332	55	0	2	100%	100%	Apr-18	76%	0.50	0	0	
Hungary	9 787 905	3.17	36	0	0.24	13	13	0	0	12	6	0	100%	100%	Apr-18	100%	0.12	48.0%	92%	
Iceland	334 303	2.99	3	0	0.00	0	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-	
Ireland	4 749 153	5.26	25	0	4.49	65	49	2	14	0	1	0	100%	100%	Apr-18	92%	0.00	73.8%	82%	
Israel	8 323 248	1.80	16	0	1.52	41	36	3	2	0	3	0	100%	25%	Apr-18	95%	0.00	7.3%	98%	
Italy	59 797 978	89.70	5410	4	6.79	1241	921	72	248	81	23	4	100%	100%	Apr-18	78%	0.14	74.3%	0	
Kazakhstan	18 064 470	0.11	2	0	0.02	1	1	0	0	0	0	0	100%	100%	Apr-18	-	-	-	-	
Kyrgyzstan	6 124 945	0.49	5	0	0.00	25	25	0	0	23	25	0	50%	25%	Feb-18	100%	0.38	52.1%	98%	
Latvia	1 944 565	2.06	5	0	1.71	10	10	0	0	0	0	0	100%	100%	Apr-18	100%	0.00	0	100%	
Lithuania	2 830 582	0.00	2	0	0.00	0	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-	
Luxembourg	584 103	1.71	4	0	0.00	1	1	0	0	0	1	0	100%	100%	Apr-18	100%	0.00	100.0%	100%	
Malta	420 521	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-	
Monaco	38 010	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	75%	Apr-18	-	0.00	-	-	
Montenegro	626 250	0.00	0	0	15.97	32	3	0	29	1	2	0	75%	50%	Mar-18	15%	0.16	6.1%	9%	
Netherlands	17 032 845	0.59	16	0	0.06	4	3	1	0	0	1	0	100%	100%	Apr-18	100%	0.00	100.0%	0	
Norway	5 330 800	0.00	1	0	0.06	5	5	0	0	0	4	0	100%	100%	Apr-18	100%	0.00	80.0%	100%	
Poland	38 563 573	1.37	63	0	0.23	34	27	2	5	0	7	0	100%	100%	Apr-18	97%	0.00	100.0%	100%	
Portugal	10 264 797	3.12	34	1	3.96	125	117	0	8	307	3	0	100%	100%	Apr-18	98%	2.99	26.6%	81%	
Republic of Moldova	4 054 640	0.00	0	-	0.16	2	2	0	0	0	0	0	100%	75%	Apr-18	-	-	-	-	
Romania	19 237 513	290.58	5610	18	6.95	404	340	54	10	0	3	1	100%	100%	Apr-18	97%	0.00	100.0%	100%	
Russian Federation	143 375 006	5.92	874	0	1.93	847	817	27	3	0	18	1	100%	100%	Apr-18	95%	0.00	100.0%	83%	
San Marino	32 104	0.00	0	-	0.00	0	0	0	0	0	0	0	75%	50%	Mar-18	-	0.00	-	-	
Serbia	8 776 940	79.98	702	1	164.71	4337	2347	0	1990	0	0	14	100%	100%	Apr-18	-	-	-	-	
Slovakia	5 432 157	1.47	11	0	0.06	4	3	1	0	1	3	0	100%	100%	Apr-18	50%	0.02	60.0%	60%	
Slovenia	2 071 252	2.41	7	0	0.16	2	2	0	0	0	1	0	100%	100%	Apr-18	50%	0.00	100.0%	100%	
Spain	46 070 146	2.84	149	0	0.79	115	112	3	0	44	6	0	100%	100%	Apr-18	99%	0.10	5.7%	96%	
Sweden	9 920 624	3.53	46	0	0.44	18	18	0	0	0	5	0	100%	100%	Apr-18	100%	0.00	100.0%	0	
Switzerland	8 454 083	11.59	105	1	0.43	22	19	3	0	47	11	0	100%	100%	Apr-18	98%	0.56	29.0%	33%	
Tajikistan	8 858 115	73.27	649	0	0.00	0	0	0	0	34	0	0	100%	75%	Apr-18	100%	0.38	0	82%	
The former Yugoslav Republic of Macedonia	2 083 308	9.60	20	0	1.76	11	9	1	1	0	0	0	100%	50%	Apr-18	-	-	-	-	
Turkey	80 417 526	0.82	69	0	0.44	144	143	1	0	1148	38	0	100%	50%	Apr-18	100%	1.43	3.0%	97%	
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-	
Ukraine	44 405 055	107.69	4782	5	65.66	8747	1410	0	7337	0	0	4	75%	50%	Mar-18	-	-	-	-	
United Kingdom	65 511 098	2.34	282	0	0.92	225	225	0	0	0	44	0	100%	75%	Apr-18	100%	0.00	92.0%	0%	
Uzbekistan	30 690 914	0.00	0	0	0.00	0	0	0	0	17	0	0	100%	75%	Apr-18	100%	0.06	0	12%	
Total/Averages	914 981 109	23.98	22373	35	7.68	21421	9482	1041	10898	2209	336	27	92.9%	79.7%		86.0%	0.24	52.7%	39.6%	

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

¹ Source: "World Population Prospects: The 2015 Revision", New York, United Nations.² Incidence not meeting the target (<1) and countries not reporting monthly measles data are highlighted in red. The 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. Countries with aggregated data submitting not included.⁶ Discard rate (>=2) not achieving are highlighted in Red.

Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine. The Surveillance Indicators could not be calculated.

Table 4: Rubella classification, reporting and surveillance performance, January — April 2018 (data as of 31 May 2018)

Country	Total Population in 2017 ¹	2017 (as of 31 May 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			
						Lab confirmed	Epi-Link	Clinically compatible ⁴			Completeness ⁵	Timeliness ⁵	Month & year of last report	Laboratory Investigation rate ⁶	Rate of discarded cases ⁶	Origin of infection ⁶	Timeliness of Investigation ⁵
Albania	2 911 428	0.00	0	-	-	-	-	-	-	-	-	-	Oct-17	-	-	-	-
Andorra	68 727	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Armenia	3 031 670	0.00	0	0.00	0	0	0	0	1	0	75%	50%	Mar-18	100%	0.03	0%	100%
Austria	8 592 400	4.54	42	0.19	5	5	0	0	0	0	100%	100%	Apr-18	100%	0.00	100%	0%
Azerbaijan	9 973 697	0.00	0	0.00	0	0	0	0	24	0	100%	100%	Apr-18	100%	0.24	0%	100%
Belarus	9 458 535	0.11	1	0.00	1	1	0	0	79	1	75%	25%	Mar-18	1%	0.84	1%	0%
Belgium ⁷	11 443 830	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 792 759	0.26	1	0.00	0	0	0	0	0	0	100%	25%	Apr-18	-	-	-	-
Bulgaria	7 045 259	0.00	0	0.05	1	0	0	1	0	0	100%	100%	Apr-18	0%	0.00	0%	100%
Croatia	4 209 815	0.00	0	0.00	0	0	0	0	0	0	100%	50%	Apr-18	-	0.00	-	-
Cyprus	1 187 575	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Czech Republic	10 555 130	0.09	2	0.00	0	0	0	0	0	0	100%	25%	Apr-18	-	0.00	-	-
Denmark ⁷	5 711 837	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 305 755	0.00	0	0.00	0	0	0	0	6	0	100%	100%	Apr-18	100%	0.46	0%	100%
Finland	5 541 274	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
France ⁷	64 938 716	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 972 532	1.26	5	0.00	0	0	0	0	39	0	100%	0%	Apr-18	67%	0.98	0%	100%
Germany	80 636 124	0.91	74	0.08	19	4	0	15	0	0	100%	100%	Apr-18	21%	0.00	53%	0%
Greece	10 892 931	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Hungary	9 787 905	0.00	0	0.00	0	0	0	0	5	0	100%	50%	Apr-18	100%	0.05	0%	100%
Iceland	334 303	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Ireland	4 749 153	0.00	0	0.14	2	0	0	2	0	0	100%	100%	Apr-18	0%	0.00	50%	50%
Israel	8 323 248	0.00	0	0.04	1	0	0	1	0	0	100%	25%	Apr-18	100%	0.00	0%	100%
Italy	59 797 978	1.10	67	0.04	9	3	0	6	4	1	100%	100%	Apr-18	85%	0.01	46%	0%
Kazakhstan	18 064 470	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	-	-	-
Kyrgyzstan	6 124 945	0.65	4	0.11	2	2	0	0	4	0	50%	25%	Feb-18	100%	0.07	33%	100%
Latvia	1 944 565	0.00	0	0.17	2	2	0	0	0	1	100%	75%	Apr-18	100%	0.00	100%	0%
Lithuania	2 830 582	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Luxembourg	584 103	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Malta	420 521	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 250	0.00	0	0.00	0	0	0	0	0	0	75%	50%	Mar-18	-	0.00	-	-
Netherlands	17 032 845	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Norway	5 330 800	0.00	0	0.00	0	0	0	0	0	0	100%	75%	Apr-18	-	0.00	-	-
Poland	38 563 573	12.34	476	1.48	171	2	1	168	0	0	100%	100%	Apr-18	-	-	-	-
Portugal	10 264 797	0.39	4	0.00	1	0	0	1	5	1	100%	100%	Apr-18	83%	0.05	17%	67%
Republic of Moldova	4 054 640	0.00	0	0.00	0	0	0	0	0	0	100%	75%	Apr-18	-	-	-	-
Romania	19 237 513	0.47	9	0.03	2	1	0	1	0	0	100%	75%	Apr-18	50%	0.00	100%	100%
Russian Federation	143 375 006	0.04	7	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
San Marino	32 104	0.00	0	0.00	0	0	0	0	0	0	75%	50%	Mar-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%	Apr-18	-	0.00	-	-
Slovenia	2 071 252	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Spain	46 070 146	0.00	1	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Sweden	9 920 624	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Apr-18	-	0.00	-	-
Switzerland	8 454 083	0.12	1	0.04	1	1	0	0	10	0	100%	100%	Apr-18	91%	0.12	0%	9%
Tajikistan	8 858 115	0.11	1	0.00	0	0	0	0	9	0	75%	75%	Apr-18	100%	0.10	0%	100%
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0.00	0	0	0	0	0	0	100%	50%	Apr-18	-	-	-	-
Turkey	80 417 526	0.02	2	0.04	9	9	0	0	0	0	100%	50%	Apr-18	100%	0.00	11%	78%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
United Kingdom	65 511 098	0.00	3	0.00	1	1	0	0	0	1	100%	75%	Apr-18	100%	0.00	100%	0%
Uzbekistan	30 690 914	0.03	1	0.00	0	0	0	0	2	0	100%	75%	Apr-18	100%	0.01	0%	0%
Total/Averages	914 981 109	0.76	702	0.08	227	31	1	195	188	5	83.5%	67.9%		52.9%	0.02	13.1%	25.8%

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

¹ Source: World Population Prospects: The 2015 Revision, New York, United Nations.² Incidence not meeting the target (<1) and countries not reporting monthly rubella data are highlighted in red. The 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. Countries with aggregated data submitting not included.⁶ Discard rate (>=2) not achieving are highlighted in Red.⁷ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Poland, Republic of Moldova, the former Yugoslav Republic of Macedonia. The Surveillance Indicators could not be calculated.

Table 5: Measles and rubella laboratory test results, January — April 2018 (data as of 31 May 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	% Timeliness	Month of last report
Albania	1728	838 (48.0)	-	-	0	0	-	-	100%	25%	Apr-18
Andorra			-								No Lab
Armenia	140	17 (12.0)	-	-	140	0 (0.0)	-	-	100%	50%	Apr-18
Austria	574	34 (6.0)	B3,D8	100%	1711	8 (0.0)	-	-	100%	100%	Apr-18
Azerbaijan	66	0 (0.0)	-	-	114	0 (0.0)	-	-	100%	100%	Apr-18
Belarus	323	126 (39.0)	B3,D8	100%	183	3 (2.0)	2B	100%	100%	75%	Apr-18
Belgium	80	21 (26.0)	B3,D8	43%	54	4 (7.0)	-	-	75%	25%	Mar-18
Bosnia and Herzegovina	49	20 (41.0)	B3	50%	48	2 (4.0)	-	-	100%	100%	Apr-18
Bulgaria	17	4 (24.0)	B3	100%	17	0 (0.0)	-	-	75%	75%	Mar-18
Croatia	5	-	-	-	2	0 (0.0)	-	-	100%	0	Apr-18
Cyprus	103	17 (17.0)	-	-	126	0 (0.0)	-	-	100%	100%	Apr-18
Czech Republic	239	99 (41.0)	D8	50%	0	0	-	-	100%	100%	Apr-18
Denmark	307	12 (4.0)	D8	100%	14	1 (7.0)	-	-	100%	100%	Apr-18
Estonia	44	6 (14.0)	-	-	140	0 (0.0)	-	-	100%	100%	Apr-18
Finland	44	1 (2.0)	D8	100%	44	3 (7.0)	-	-	100%	100%	Apr-18
France	667	279 (42.0)	D8	27%	214	0 (0.0)	-	-	75%	50%	Mar-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	-	-	-	-	-	-	-	-	-	-	No Report
Hungary	167	27 (16.0)	B3,D8	100%	65	0 (0.0)	-	-	100%	100%	Apr-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	820	92 (11.0)	B3,D8	100%	747	0 (0.0)	-	-	100%	100%	Apr-18
Israel	173	49 (28.0)	D8	100%	300	88 (29.0)	-	-	100%	100%	Apr-18
Italy	1006	552 (55.0)	B3,D8	82%	454	52 (11.0)	-	-	100%	100%	Apr-18
Kazakhstan	29	1 (3.0)	-	-	28	0 (0.0)	-	-	100%	100%	Apr-18
Kyrgyzstan	299	87 (29.0)	B3	0%	253	6 (2.0)	-	-	100%	100%	Apr-18
Latvia	563	49 (9.0)	B3	93%	401	7 (2.0)	-	-	75%	25%	Mar-18
Lithuania	17	0 (0.0)	-	-	16	0 (0.0)	-	-	100%	100%	Apr-18
Luxembourg	19	1 (5.0)	D8	100%	0	0	-	-	100%	100%	Apr-18
Malta	33	3 (9.0)	-	-	260	0 (0.0)	-	-	100%	100%	Apr-18
Monaco											No Lab
Montenegro											No Lab
Netherlands	22	4 (18.0)	B3,D8	100%	21	0 (0.0)	-	-	100%	100%	Apr-18
Norway	-		B3,D8	100%	-		-	-	-	-	No Report
Poland	-		D8	100%	-		-	-	-	-	No Report
Portugal	887	105 (12.0)	B3	100%	2	1 (50.0)	-	-	75%	75%	Apr-18
Republic of Moldova	33	2 (6.0)	-	-	32	0 (0.0)	-	-	100%	100%	Apr-18
Romania	2635	2262 (86.0)	B3	66%	332	1 (0.0)	-	-	100%	50%	Apr-18
Russian Federation	2734	1140 (42.0)	B3,D8	77%	2089	18 (1.0)	-	-	100%	100%	Apr-18
San Marino											No Lab
Serbia	1455	938 (64.0)	B3	0%	656	5 (1.0)	-	-	75%	75%	Mar-18
Slovakia	26	2 (8.0)	D8	0%	2	0 (0.0)	-	-	100%	100%	Apr-18
Slovenia	155	4 (3.0)	B3	100%	10	0 (0.0)	-	-	100%	100%	Apr-18
Spain	-	-	B3,D8,D4	75%	-	-	-	-	-	-	No Report
Sweden	1740	92 (5.0)	B3,D8	100%	662	3 (0.0)	-	-	100%	75%	Apr-18
Switzerland	71	25 (35.0)	B3,D8	88%	2	2 (100.0)	-	-	100%	100%	Apr-18
Tajikistan	13	0 (0.0)	-	-	13	0 (0.0)	-	-	25%	25%	Feb-18
The former Yugoslav Republic of Macedonia	11	4 (36.0)	-	-	0	0	-	-	25%	0	Jan-18
Turkey	-		-	-	-		-	-	-	-	No Report
Turkmenistan	45	0 (0.0)	-	-	45	0 (0.0)	-	-	100%	100%	Apr-18
Ukraine	593	298 (50.0)	B3,D8	5%	122	5 (4.0)	-	-	100%	100%	Apr-18
United Kingdom	1801	403 (22.0)	B3,D8	99%	208	4 (2.0)	-	-	100%	100%	Apr-18
Uzbekistan	21	0 (0.0)	-	-	21	0 (0.0)	-	-	100%	100%	Apr-18
Total / Average	19754	7614 (39%)	-	82%	9548	213 (2%)	-	100%	71.7%	62.7%	

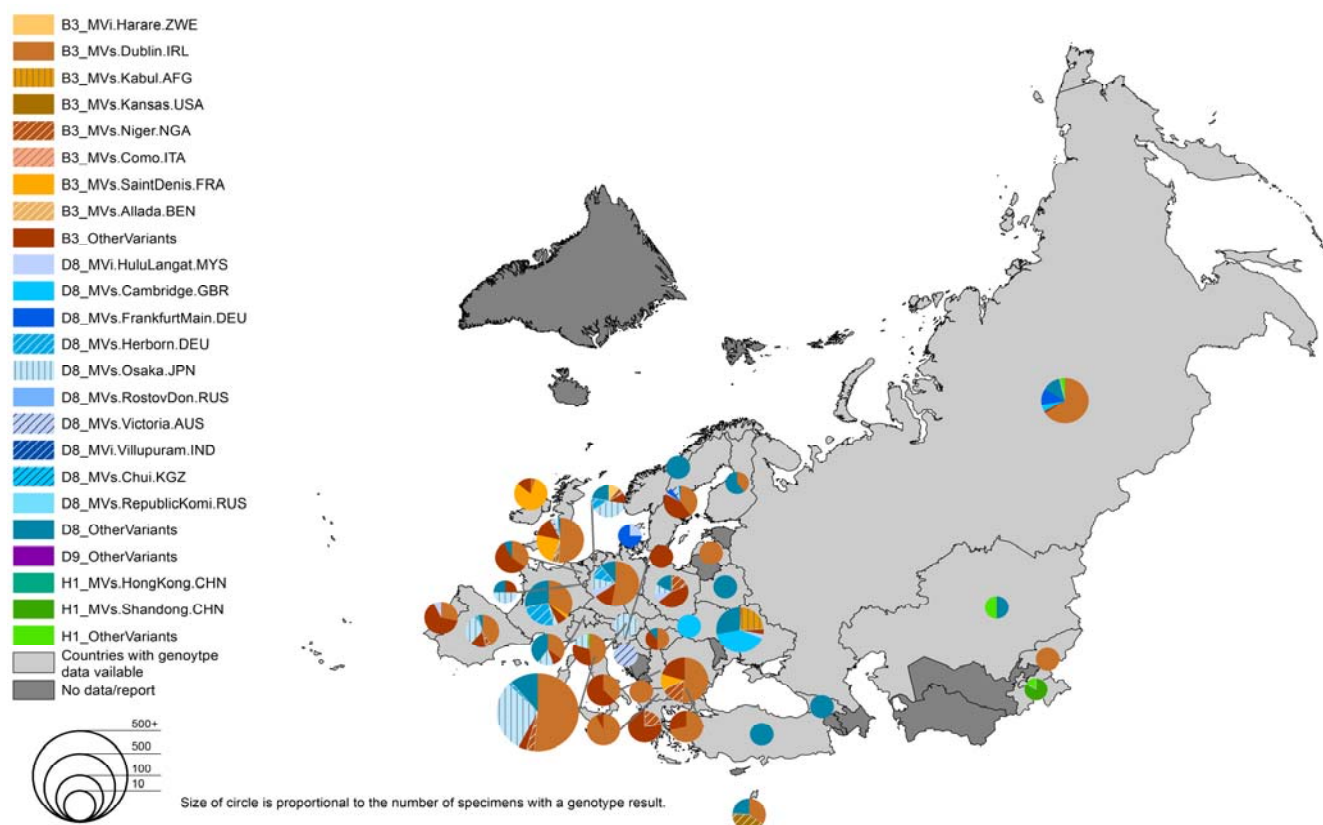
¹ Data source: Aggregated monthly data provided by regional measles and rubella laboratory network (MR Labnet) to WHO/Europe. Some countries are only reporting to specimen-based MR lab data management system (MR LDMS).

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.

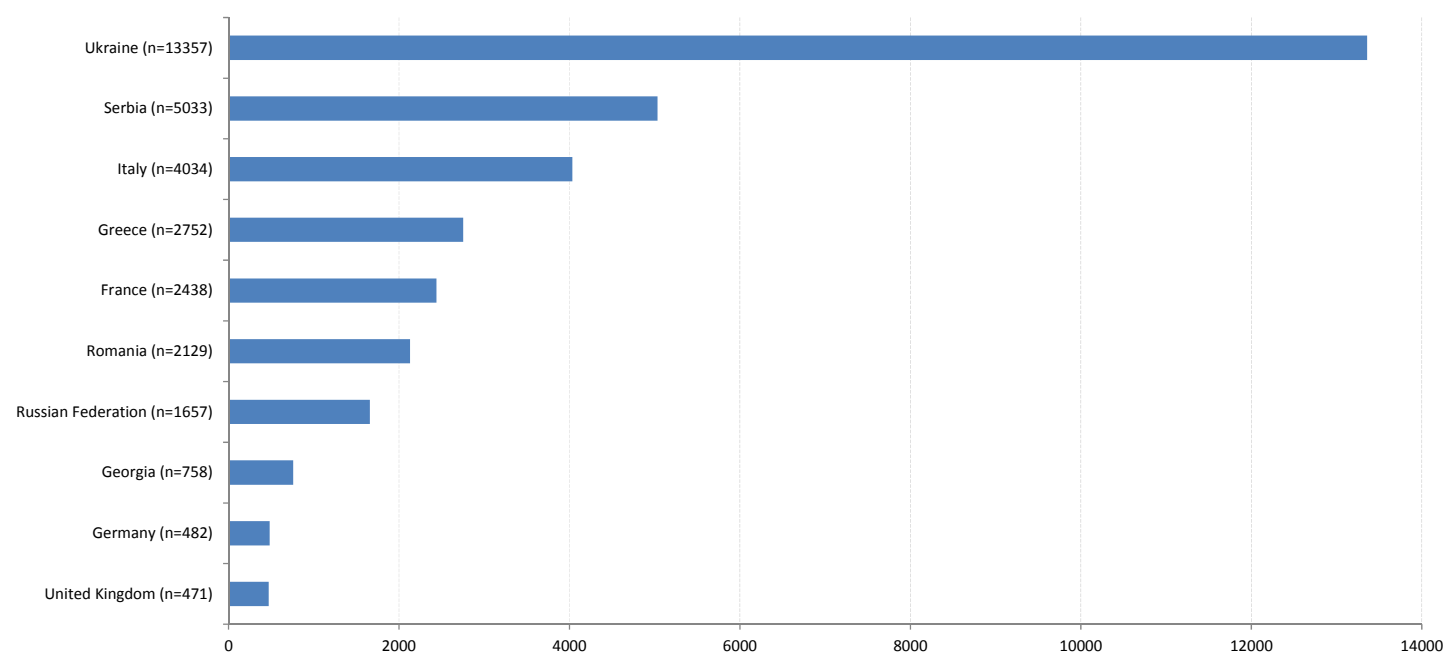
*Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.

Figure 1: Map of Measles Genotype Named Strains in European Region, 2017 (data as of 02 May 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: Ten countries with the highest numbers of measles cases in the European Region in the previous 12-months (May 2017 — April 2018) (data as of 31 May 2018)**



*Data Source: MeaNS Database

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