

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

Table 1: Reported measles cases for the period April 2017 — March 2018 (data as of 08 May 2018)

Country	Total Population in 2017 ¹	Incidence Rate Apr 17 - Mar 18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	
Albania	2 911 428	0.00	0	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	Mar-18
Armenia	3 031 670	0.99	3	0	0	-	0	0	0	1	0	0	0	2	-	Feb-18
Austria	8 592 400	6.05	52	2	7	0	2	2	1	2	8	1	7	8	12	Mar-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Belarus	9 458 535	1.59	15	0	0	0	0	0	0	0	0	0	0	11	4	Mar-18
Belgium	11 443 830	11.27	129	35	21	34	16	0	2	0	3	1	1	6	10	Mar-18
Bosnia and Herzegovina	3 792 759	4.22	16	3	-	2	3	1	2	2	3	0	-	-	-	Dec-17
Bulgaria	7 045 259	20.72	146	42	56	39	6	0	0	0	0	0	1	0	2	Mar-18
Croatia	4 209 815	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Cyprus	1 187 575	15.16	18	0	2	1	0	0	0	0	0	1	5	7	2	Mar-18
Czech Republic	10 555 130	14.97	158	58	36	3	1	0	0	0	9	1	0	0	50	Mar-18
Denmark	5 711 837	1.05	6	0	0	0	0	3	0	0	0	0	0	0	3	Mar-18
Estonia	1 305 755	2.30	3	0	1	0	0	0	0	0	0	0	0	0	2	Mar-18
Finland	5 541 274	1.80	10	0	0	1	7	2	0	0	0	0	0	0	0	Mar-18
France	64 938 716	29.20	1896	62	115	43	39	15	19	13	11	65	237	523	754	Mar-18
Georgia	3 972 532	135.43	538	2	0	1	1	9	9	1	13	60	125	159	158	Mar-18
Germany	80 636 124	7.16	577	189	125	39	46	33	8	8	12	19	29	34	35	Mar-18
Greece	10 892 931	220.33	2400	0	3	2	13	93	114	192	304	345	465	450	419	Mar-18
Hungary	9 787 905	3.47	34	0	0	0	9	10	1	1	0	0	2	5	6	Mar-18
Iceland	334 303	2.99	1	0	0	0	0	0	0	0	1	0	0	0	0	Mar-18
Ireland	4 749 153	14.95	71	0	0	0	0	0	0	12	9	3	11	23	13	Mar-18
Israel	8 323 248	2.52	21	-	7	9	0	0	0	0	0	0	0	0	5	Mar-18
Italy	59 797 978	74.42	4450	863	804	661	602	251	166	126	66	114	199	272	326	Mar-18
Kazakhstan	18 064 470	0.11	2	-	1	1	0	0	0	0	0	0	0	0	0	Mar-18
Kyrgyzstan	6 124 945	4.73	29	0	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	0	5	8	2	0	Mar-18
Lithuania	2 830 582	0.35	1	0	0	1	0	0	0	0	0	0	0	0	0	Mar-18
Luxembourg	584 103	1.71	1	0	0	0	0	0	0	0	1	0	0	0	0	Mar-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Monaco	38 010	-	-	-	-	-	-	-	0	0	0	-	0	0	0	Mar-18
Montenegro	626 250	51.10	32	0	0	0	0	0	0	-	0	0	9	19	4	Mar-18
Netherlands	17 032 845	1.12	19	2	6	2	1	1	1	3	0	0	0	2	1	Mar-18
Norway	5 330 800	0.94	5	0	0	0	1	0	0	0	0	0	0	4	0	Mar-18
Poland	38 563 573	1.94	75	5	5	5	1	3	13	11	2	6	18	6	0	Mar-18
Portugal	10 264 797	13.15	135	18	4	0	0	0	0	0	0	0	0	4	109	Mar-18
Republic of Moldova	4 054 640	0.49	2	0	0	0	0	0	0	0	0	0	1	1	0	Mar-18
Romania	19 237 513	168.52	3242	1217	1029	100	100	102	91	102	101	100	100	100	100	Mar-18
Russian Federation	143 375 006	10.20	1463	14	53	54	66	56	92	130	194	164	284	217	139	Mar-18
San Marino	32 104	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Serbia	8 776 940	495.50	4349	0	4	1	0	0	0	13	286	392	901	1230	1522	Mar-18
Slovakia	5 432 157	2.02	11	2	0	0	0	0	0	0	0	9	0	0	0	Mar-18
Slovenia	2 071 252	1.45	3	0	0	0	0	0	0	0	0	1	2	0	0	Mar-18
Spain	46 070 146	3.47	160	10	37	19	6	6	2	0	1	11	6	14	48	Mar-18
Sweden	9 920 624	4.44	44	3	3	0	0	2	3	1	0	16	12	3	1	Mar-18
Switzerland	8 454 083	7.33	62	10	0	0	1	10	17	4	4	0	7	6	3	Mar-18
Tajikistan	8 858 115	49.78	441	228	149	51	11	2	0	0	0	0	0	0	0	Mar-18
The former Yugoslav Republic of Macedonia	2 083 308	14.88	31	0	0	0	0	-	11	8	0	1	5	5	1	Mar-18
Turkey	80 417 526	1.42	114	12	17	0	0	11	1	3	14	5	2	3	46	Mar-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	302.80	13446	89	317	469	428	242	248	505	1001	1400	3030	3099	2618	Mar-18
United Kingdom	65 511 098	7.45	488	17	34	25	22	14	18	22	65	46	57	79	89	Mar-18
Uzbekistan	30 690 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Total/Averages	914 981 109	37.94	34714	2883	2836	1563	1382	868	819	1160	2110	2768	5549	6294	6482	

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 April 2017 — March 2018 (data as of 08 May 2018)

Country	Total Population in 2017 ¹	Incidence Rate Apr 17 - Mar 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	
Albania	2 911 428	0.00	0	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	Mar-18
Armenia	3 031 670	0.00	0	0	0	-	0	0	0	0	0	0	0	0	-	Feb-18
Austria	8 592 400	2.56	22	1	1	0	0	0	0	2	6	7	5	0	0	Mar-18
Azerbaijan	9 973 697	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Belarus	9 458 535	0.11	1	0	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	0	1	0	0	0	0	-	-	-	Dec-17
Bulgaria	7 045 259	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Croatia	4 209 815	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Cyprus	1 187 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Czech Republic	10 555 130	0.09	1	1	0	0	0	0	0	0	0	0	0	0	0	Mar-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	Mar-18
Finland	5 541 274	0.18	1	0	0	0	0	0	0	1	0	0	0	0	0	Mar-18
France ³	64 938 716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 972 532	0.76	3	0	0	1	1	0	0	0	1	0	0	0	0	Mar-18
Germany	80 636 124	0.86	69	12	7	7	5	5	3	11	4	2	6	3	4	Mar-18
Greece	10 892 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Hungary	9 787 905	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Iceland	334 303	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Ireland	4 749 153	0.21	1	0	0	0	0	0	0	0	0	0	0	1	0	Mar-18
Israel	8 323 248	0.12	1	-	0	0	0	0	0	0	-	-	0	0	1	Mar-18
Italy	59 797 978	0.79	47	11	12	6	3	1	3	2	2	2	1	2	2	Mar-18
Kazakhstan	18 064 470	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Kyrgyzstan	6 124 945	0.65	4	0	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	Mar-18
Lithuania	2 830 582	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Luxembourg	584 103	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Malta	420 521	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 250	0.00	0	0	0	0	0	0	0	-	0	0	0	0	-	Feb-18
Netherlands	17 032 845	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Norway	5 330 800	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Poland	38 563 573	12.65	488	43	57	45	44	37	31	40	34	33	34	43	47	Mar-18
Portugal	10 264 797	0.29	3	0	0	0	0	0	2	0	0	0	0	1	0	Mar-18
Republic of Moldova	4 054 640	0.00	0	0	0	0	0	0	0	0	-	0	0	0	0	Mar-18
Romania	19 237 513	0.47	9	1	2	0	1	2	0	1	0	0	1	0	1	Mar-18
Russian Federation	143 375 006	0.04	6	1	2	0	0	1	0	1	0	1	0	0	0	Mar-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	Mar-18
Slovenia	2 071 252	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Spain	46 070 146	0.02	1	0	0	0	1	0	0	0	0	0	0	0	0	Mar-18
Sweden	9 920 624	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-18
Switzerland	8 454 083	0.24	2	0	1	0	0	0	0	0	0	0	0	1	0	Mar-18
Tajikistan	8 858 115	0.00	0	0	0	0	0	0	0	0	-	0	-	0	0	Mar-18
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0	0	0	0	-	0	0	0	0	0	0	0	Mar-18
Turkey	80 417 526	0.09	7	0	2	0	0	0	0	0	0	0	1	1	3	Mar-18
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
United Kingdom	65 511 098	0.06	4	1	0	0	0	0	0	1	1	0	0	1	0	Mar-18
Uzbekistan	30 690 914	0.03	1	0	1	0	0	0	0	0	0	0	0	0	0	Mar-18
Total/Averages	914 981 109	0.74	674	71	85	59	55	47	39	59	49	46	52	54	58	

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 — March 2018 (data as of 08 May 2018)

Country	Total Population in 2017 ¹	2017 (as of 08 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%	Mar-18	-	0.00	-	-
Ameria	3 031 670	0.33	1	0	0.00	6	6	0	0	39	6	0	67%	33%	Feb-18	100%	1.29	13.3%	100%
Austria	8 592 400	9.66	94	0	0.64	27	22	4	1	14	5	0	100%	100%	Mar-18	68%	0.16	65.9%	12%
Azerbaijan	9 973 697	0.00	0	0	0.00	0	0	0	0	27	0	0	100%	100%	Mar-18	100%	0.27	0	100%
Belarus	9 458 535	0.00	1	0	0.40	15	14	0	1	60	0	0	100%	33%	Mar-18	99%	0.63	0	0
Belgium	11 443 830	32.07	367	0	0.37	17	16	0	1	0	0	0	100%	100%	Mar-18	-	-	-	-
Bosnia and Herzegovina	3 792 759	7.12	27	0	-	-	-	-	-	-	-	-	-	-	Dec-17	-	-	-	-
Bulgaria	7 045 259	23.42	166	1	0.00	3	3	0	0	0	3	0	100%	100%	Mar-18	100%	0.00	100.0%	100%
Croatia	4 209 815	1.66	7	0	0.00	0	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-
Cyprus	1 187 575	0.84	4	0	1.89	14	14	0	0	0	5	0	100%	100%	Mar-18	100%	0.00	100.0%	0
Czech Republic	10 555 130	13.45	146	0	0.76	50	50	0	0	0	18	0	100%	67%	Mar-18	0%	0.00	100.0%	0
Denmark	5 711 837	0.35	4	0	0.13	3	3	0	0	0	0	0	100%	100%	Mar-18	100%	0.00	100.0%	0
Estonia	1 305 755	0.00	1	0	0.00	2	2	0	0	14	2	0	100%	100%	Mar-18	100%	1.07	12.5%	100%
Finland	5 541 274	0.72	10	0	0.00	0	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-
France	64 938 716	7.53	519	1	5.71	1514	620	313	581	0	31	1	100%	100%	Mar-18	78%	0.00	81.1%	0%
Georgia	3 972 532	23.66	96	0	27.82	442	346	24	72	213	0	0	100%	0%	Mar-18	88%	5.36	67.0%	98%
Germany	80 636 124	10.79	936	1	0.26	98	83	9	6	0	13	0	100%	100%	Mar-18	91%	0.00	72.4%	0
Greece	10 892 931	97.59	1066	2	30.62	1334	789	236	309	37	0	1	100%	100%	Mar-18	73%	0.34	0	0
Hungary	9 787 905	3.17	36	0	0.18	13	13	0	0	8	6	0	100%	100%	Mar-18	100%	0.08	57.1%	95%
Iceland	334 303	2.99	3	0	0.00	0	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-
Ireland	4 749 153	5.26	25	0	2.42	47	39	0	8	0	1	0	100%	100%	Mar-18	94%	0.00	76.6%	77%
Israel	8 323 248	1.80	16	0	0.06	5	5	0	0	0	3	0	100%	33%	Mar-18	100%	0.00	60.0%	100%
Italy	59 797 978	89.67	5408	4	3.29	797	586	54	157	51	11	4	100%	100%	Mar-18	78%	0.09	76.1%	0
Kazakhstan	18 064 470	0.11	2	0	0.00	0	0	0	0	0	0	0	100%	100%	Mar-18	-	-	-	-
Kyrgyzstan	6 124 945	0.49	5	0	0.00	25	25	0	0	23	25	0	67%	33%	Feb-18	100%	0.38	52.1%	98%
Latvia	1 944 565	2.06	5	0	1.29	10	10	0	0	0	0	0	100%	100%	Mar-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%	Mar-18	-	0.00	-	-
Luxembourg	584 103	1.71	4	0	0.00	0	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-
Malta	420 521	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-
Monaco	38 010	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-
Montenegro	626 250	0.00	0	0	11.98	32	3	0	29	1	2	0	100%	67%	Mar-18	15%	0.16	6.1%	9%
Netherlands	17 032 845	0.59	16	0	0.03	3	2	1	0	0	1	0	100%	100%	Mar-18	100%	0.00	100.0%	0
Norway	5 330 800	0.00	1	0	0.05	4	4	0	0	0	3	0	100%	100%	Mar-18	100%	0.00	75.0%	100%
Poland	38 563 573	1.37	63	0	0.13	24	18	2	4	0	4	0	100%	100%	Mar-18	95%	0.00	100.0%	100%
Portugal	10 264 797	3.12	34	1	2.68	113	101	0	12	222	3	0	100%	100%	Mar-18	99%	2.16	29.6%	82%
Republic of Moldova	4 054 640	0.00	0	-	0.12	2	2	0	0	0	0	0	100%	100%	Mar-18	-	-	-	-
Romania	19 237 513	290.58	5610	18	3.86	300	239	51	10	0	3	1	100%	100%	Mar-18	96%	0.00	100.0%	100%
Russian Federation	143 375 006	5.91	873	0	1.10	640	615	23	2	0	11	1	100%	100%	Mar-18	99%	0.00	100.0%	83%
San Marino	32 104	0.00	0	-	0.00	0	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-
Serbia	8 776 940	79.98	702	1	104.05	3653	2013	0	1640	0	0	11	100%	100%	Mar-18	-	-	-	-
Slovakia	5 432 157	1.47	11	0	0.00	0	0	0	0	1	0	0	100%	100%	Mar-18	0%	0.02	0	100%
Slovenia	2 071 252	2.41	7	0	0.12	2	2	0	0	0	1	0	100%	100%	Mar-18	50%	0.00	100.0%	100%
Spain	46 070 146	2.91	155	1	0.34	68	65	1	2	17	6	0	100%	100%	Mar-18	99%	0.04	11.8%	93%
Sweden	9 920 624	3.53	46	0	0.33	16	16	0	0	0	3	0	100%	100%	Mar-18	100%	0.00	100.0%	0
Switzerland	8 454 083	11.59	105	1	0.27	16	13	3	0	40	7	0	100%	100%	Mar-18	98%	0.47	26.8%	32%
Tajikistan	8 858 115	12.98	650	0	0.00	0	0	0	0	20	0	0	100%	67%	Mar-18	100%	0.23	0	85%
The former Yugoslav Republic of Macedonia	2 083 308	9.60	20	0	1.32	11	9	1	1	0	0	0	100%	33%	Mar-18	-	-	-	-
Turkey	80 417 526	0.82	69	0	0.10	51	50	1	0	583	19	0	100%	33%	Mar-18	100%	0.72	3.2%	97%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	107.69	4782	5	49.25	8747	1410	0	7337	0	0	4	100%	67%	Mar-18	-	-	-	-
United Kingdom	65 511 098	2.34	282	0	0.69	225	225	0	0	0	44	0	100%	100%	Mar-18	100%	0.00	92.0%	0%
Uzbekistan	30 690 914	0.00	0	0	0.00	0	0	0	0	15	0	0	100%	67%	Mar-18	100%	0.05	0	7%
Total/Averages	914 981 109	23.40	22377	36	4.94	18329	7433	723	10173	1385	236	23	93.1%	79.9%		29.5%	0.15	19.8%	13.8%

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 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.

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 — March 2018 (data as of 08 May 2018)

Country	Total Population in 2017 ¹	2017 (as of 08 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 ⁵	Rate of discarded cases ⁶	Origin of infection ³	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%	Mar-18	-	0.00	-	-	-	
Armenia	3 031 670	0.00	0	0.00	0	0	0	0	1	0	67%	33%	Feb-18	100%	0.03	0%	100%		
Austria	8 592 400	4.54	42	0.15	5	5	0	0	0	0	100%	100%	Mar-18	100%	0.00	100%	0%		
Azerbaijan	9 973 697	0.00	0	0.00	0	0	0	0	17	0	100%	100%	Mar-18	100%	0.17	0%	100%		
Belarus	9 458 535	0.11	1	0.00	1	1	0	0	60	1	100%	33%	Mar-18	2%	0.63	2%	0%		
Belgium ⁷	11 443 830	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-		
Bosnia and Herzegovina	3 792 759	0.26	1	-	-	-	-	-	-	-	-	-	Dec-17	-	-	-	-		
Bulgaria	7 045 259	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Croatia	4 209 815	0.00	0	0.00	0	0	0	0	0	0	100%	33%	Mar-18	-	0.00	-	-		
Cyprus	1 187 575	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Czech Republic	10 555 130	0.09	2	0.00	0	0	0	0	0	0	100%	33%	Mar-18	-	0.00	-	-		
Denmark ⁷	5 711 837	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-		
Estonia	1 305 755	0.00	0	0.00	0	0	0	0	4	0	100%	100%	Mar-18	100%	0.31	0%	100%		
Finland	5 541 274	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
France ⁷	64 938 716	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-		
Georgia	3 972 532	1.26	5	0.00	0	0	0	0	35	0	100%	0%	Mar-18	63%	0.88	0%	100%		
Germany	80 636 124	0.91	74	0.04	13	4	0	9	0	0	100%	100%	Mar-18	31%	0.00	54%	0%		
Greece	10 892 931	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Hungary	9 787 905	0.00	0	0.00	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-		
Iceland	334 303	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Ireland	4 749 153	0.00	0	0.05	1	0	0	1	0	0	100%	100%	Mar-18	0%	0.00	0%	100%		
Israel	8 323 248	0.00	0	0.03	1	0	0	1	0	0	100%	33%	Mar-18	100%	0.00	0%	100%		
Italy	59 797 978	1.10	67	0.02	5	1	0	4	4	1	100%	100%	Mar-18	89%	0.01	33%	0%		
Kazakhstan	18 064 470	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	-	-	-		
Kyrgyzstan	6 124 945	0.65	4	0.08	2	2	0	0	4	0	67%	33%	Feb-18	100%	0.07	33%	100%		
Latvia	1 944 565	0.00	0	0.13	2	2	0	0	0	1	100%	67%	Mar-18	100%	0.00	100%	0%		
Lithuania	2 830 582	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Luxembourg	584 103	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Malta	420 521	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-		
Montenegro	626 250	0.00	0	0.00	0	0	0	0	0	0	67%	33%	Feb-18	-	0.00	-	-		
Netherlands	17 032 845	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Norway	5 330 800	0.00	0	0.00	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-		
Poland	38 563 573	12.86	496	0.80	124	2	1	121	0	0	100%	100%	Mar-18	-	-	-	-		
Portugal	10 264 797	0.39	4	0.00	1	0	0	1	5	1	100%	100%	Mar-18	83%	0.05	17%	67%		
Republic of Moldova	4 054 640	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	-	-	-		
Romania	19 237 513	0.47	9	0.03	2	1	0	1	0	0	100%	100%	Mar-18	50%	0.00	100%	100%		
Russian Federation	143 375 006	0.04	7	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
San Marino	32 104	0.00	0	0.00	0	0	0	0	0	0	100%	67%	Mar-18	-	0.00	-	-		
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-		
Slovakia	5 432 157	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Slovenia	2 071 252	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Spain	46 070 146	0.00	1	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Sweden	9 920 624	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Mar-18	-	0.00	-	-		
Switzerland	8 454 083	0.12	1	0.03	1	1	0	0	7	0	100%	100%	Mar-18	88%	0.08	0%	13%		
Tajikistan	8 858 115	0.11	1	0.00	0	0	0	0	8	0	67%	67%	Mar-18	100%	0.09	0%	100%		
The former Yugoslav Republic of Macedonia	2 083 308	0.00	0	0.00	0	0	0	0	0	0	100%	33%	Mar-18	-	-	-	-		
Turkey	80 417 526	0.02	2	0.02	5	5	0	0	583	0	100%	33%	Mar-18	1%	0.72	0%	1%		
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%	100%	Mar-18	100%	0.00	100%	0%		
Uzbekistan	30 690 914	0.03	1	0.00	0	0	0	0	2	0	100%	67%	Mar-18	100%	0.01	0%	0%		
Total/Averages	914 981 109	0.78	723	0.04	164	25	1	138	730	5	82.4%	67.9%		11.2%	0.08	2.8%	9.4%		

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. NA for countries submitting aggregated data. 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 — March 2018 (data as of 08 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	1005	504 (50.0)	-	-	0	0	-	-	100%	33%	Mar-18
Andorra			-	-			-	-			No Lab
Armenia	93	15 (16.0)	-	-	93	0 (0.0)	-	-	100%	67%	Mar-18
Austria	384	19 (5.0)	B3,D8,H1	100%	1279	8 (1.0)	-	-	100%	100%	Mar-18
Azerbaijan	42	0 (0.0)	-	-	75	0 (0.0)	-	-	100%	100%	Mar-18
Belarus	64	7 (11.0)	B3,D8	100%	62	3 (5.0)	2B	100%	67%	67%	Feb-18
Belgium	80	21 (26.0)	-	-	54	4 (7.0)	-	-	100%	33%	Mar-18
Bosnia and Herzegovina	6	1 (17.0)	B3	0%	5	1 (20.0)	-	-	100%	100%	Mar-18
Bulgaria	17	4 (24.0)	B3	100%	17	0 (0.0)	-	-	100%	100%	Mar-18
Croatia	5	-	-	-	2	0 (0.0)	-	-	100%	0	Mar-18
Cyprus	70	16 (23.0)	-	-	104	0 (0.0)	-	-	100%	100%	Mar-18
Czech Republic	134	64 (48.0)	D8	50%	0	0	-	-	100%	100%	Mar-18
Denmark	216	10 (5.0)	D8	100%	10	1 (10.0)	-	-	100%	100%	Mar-18
Estonia	31	0 (0.0)	-	-	122	0 (0.0)	-	-	100%	100%	Mar-18
Finland	26	0 (0.0)	-	-	26	1 (4.0)	-	-	100%	100%	Mar-18
France	667	279 (42.0)	D8	27%	214	0 (0.0)	-	-	100%	67%	Mar-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	-	-	-	-	-	-	-	-	-	-	No Report
Hungary	121	21 (17.0)	B3,D8	100%	51	0 (0.0)	-	-	100%	100%	Mar-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	619	66 (11.0)	B3,D8	100%	569	0 (0.0)	-	-	100%	100%	Mar-18
Israel	72	6 (8.0)	D8,H1	100%	195	66 (34.0)	-	-	100%	100%	Mar-18
Italy	713	400 (56.0)	B3,D8,,H1	82%	315	51 (16.0)	-	-	100%	100%	Mar-18
Kazakhstan	18	0 (0.0)	-	-	18	0 (0.0)	-	-	100%	100%	Mar-18
Kyrgyzstan	178	40 (22.0)	B3	0%	149	3 (2.0)	-	-	100%	100%	No Report
Latvia	563	49 (9.0)	B3	93%	401	7 (2.0)	-	-	100%	33%	Mar-18
Lithuania	16	0 (0.0)	-	-	15	0 (0.0)	-	-	100%	100%	Mar-18
Luxembourg	13	0 (0.0)	D8	100%	0	0	-	-	100%	100%	Mar-18
Malta	29	1 (3.0)	-	-	200	0 (0.0)	-	-	100%	100%	Mar-18
Monaco											No Lab
Montenegro											No Lab
Netherlands	11	2 (18.0)	B3,D8	100%	11	0 (0.0)	-	-	100%	100%	Mar-18
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No Report
Poland	-	-	D8,H1	100%	-	-	-	-	-	-	No Report
Portugal	613	96 (16.0)	B3	100%	1	0 (0.0)	-	-	67%	67%	Mar-18
Republic of Moldova	30	2 (7.0)	-	-	28	0 (0.0)	-	-	100%	100%	Mar-18
Romania	1755	1495 (85.0)	B3	62%	236	1 (0.0)	-	-	100%	33%	Mar-18
Russian Federation	2000	791 (40.0)	B3,D8	80%	1528	13 (1.0)	-	-	100%	100%	Mar-18
San Marino											No Lab
Serbia	1458	877 (60.0)	B3	0%	607	5 (1.0)	-	-	100%	100%	Mar-18
Slovakia	20	2 (10.0)	D8	0%	2	0 (0.0)	-	-	100%	100%	Mar-18
Slovenia	146	4 (3.0)	B3,H1	100%	5	0 (0.0)	-	-	100%	100%	Mar-18
Spain	-	-	B3,D8	87%	-	-	-	-	-	-	No Report
Sweden	1544	74 (5.0)	B3,D8	100%	513	3 (1.0)	-	-	100%	100%	Mar-18
Switzerland	58	20 (34.0)	B3,D8,D9,	80%	1	1 (100.0)	-	-	100%	100%	Mar-18
Tajikistan	13	0 (0.0)	-	-	13	0 (0.0)	-	-	33%	33%	Feb-18
The former Yugoslav Republic of Macedonia	11	4 (36.0)	-	-	0	0	-	-	33%	0	Jan-18
Turkey	-	-	-	-	-	-	-	-	-	-	No Report
Turkmenistan	12	0 (0.0)	-	-	12	0 (0.0)	-	-	100%	100%	Mar-18
Ukraine	486	235 (48.0)	B3	14%	93	5 (5.0)	-	-	100%	100%	Mar-18
United Kingdom	1528	333 (22.0)	B3,D8	99%	188	4 (2.0)	-	-	100%	100%	Mar-18
Uzbekistan	19	0 (0.0)	-	-	19	0 (0.0)	-	-	100%	100%	Mar-18
Total / Average	14886	5458 (37%)	-	84%	7233	177 (2%)	-	100%	73.6%	64.8%	

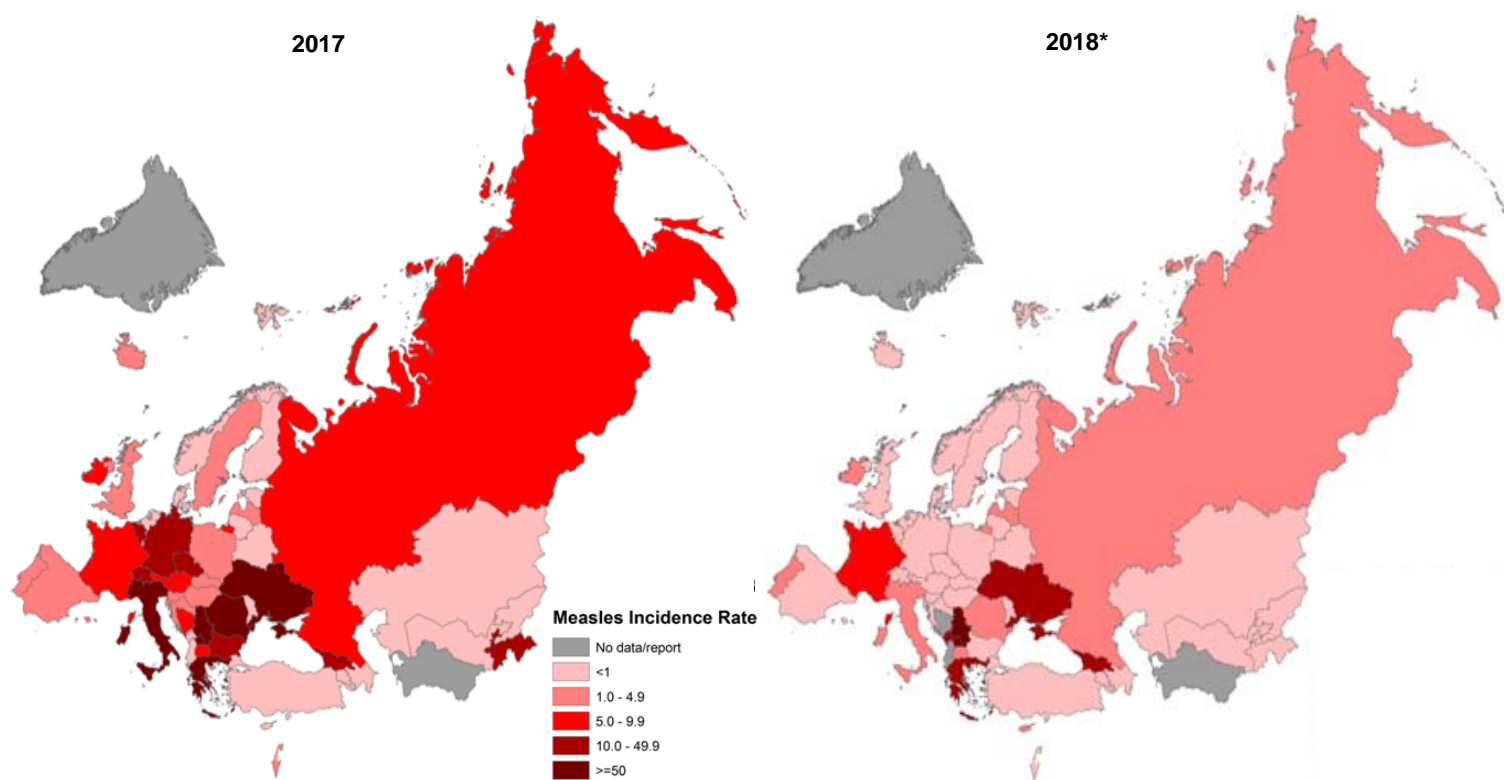
¹ Data source: Aggregated monthly data provided by regional measles and rubella laboratory network (MR Labnet) to WHO/Europe. Some countries are only reporting to specimen-based MR lab data management system (MR LDMS).

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.

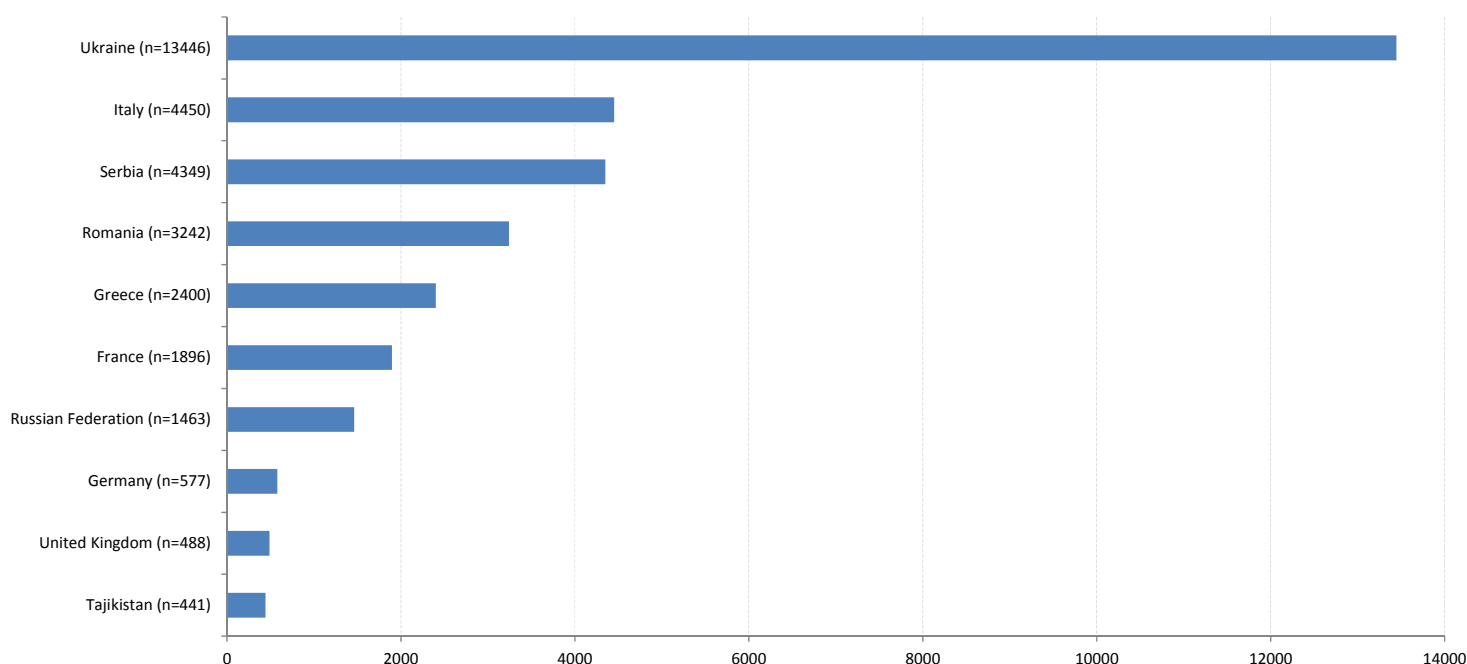
**Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.*

Figure 1: Map of Measles Incidence Rate in European Region, 2017 and 2018* (data as of 08 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 (April 2017 — March 2018) (data as of 08 May 2018)**



*Annualized incidence rate for 2018.

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