

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

Table 1: Reported measles cases for the period April 2018—March 2019 (data as of 06 May 2019)

Country	Total Population in 2018 ¹	Incidence Rate Apr 2018–Mar 2019 (per 1 million)	Total measles cases	Month and year of rash onset												Month & year of last report
				Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	
Albania	2 934 363	398.38	1169	359	245	134	45	13	17	20	34	27	73	64	138	Mar-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Armenia	2 934 152	2.39	7	1	0	0	0	0	1	0	0	1	0	2	2	Mar-19
Austria	8 751 820	12.23	107	16	11	6	1	3	6	0	4	1	25	33	1	Mar-19
Azerbaijan	9 923 914	30.23	300	0	0	0	0	0	0	0	24	47	131	79	19	Mar-19
Belarus	9 452 113	23.49	222	53	58	13	23	12	7	2	5	5	14	19	11	Mar-19
Belgium	11 498 519	23.74	273	11	24	22	3	11	14	4	8	7	18	86	65	Mar-19
Bosnia and Herzegovina	3 503 554	111.60	391	13	34	13	4	0	0	0	0	0	2	34	291	Mar-19
Bulgaria	7 036 848	34.96	246	1	1	1	7	0	0	0	0	0	1	65	170	Mar-19
Croatia	4 164 783	5.76	24	1	2	16	3	1	0	0	0	0	0	1	0	Mar-19
Cyprus	1 189 085	0.84	1	0	0	0	0	0	0	0	0	0	1	0	0	Mar-19
Czech Republic	10 625 250	33.03	351	39	24	10	3	6	6	6	20	27	50	116	44	Mar-19
Denmark	5 754 356	2.78	16	0	0	0	0	2	2	0	0	1	2	3	6	Mar-19
Estonia	1 306 788	13.01	17	6	0	0	0	0	0	0	0	0	4	5	2	Mar-19
Finland	5 542 517	3.79	21	1	3	0	0	3	0	0	2	6	3	3	0	Mar-19
France	65 233 271	31.09	2028	620	250	191	81	29	38	76	61	54	124	209	295	Mar-19
Georgia	3 907 131	1197.30	4678	221	253	211	163	60	47	105	219	482	1096	1029	792	Mar-19
Germany	82 293 457	8.55	704	101	89	102	42	25	25	8	9	17	109	78	99	Mar-19
Greece	11 142 161	70.18	782	371	249	112	29	8	2	0	0	1	1	5	4	Mar-19
Hungary	9 688 847	1.24	12	0	0	0	0	0	0	0	0	1	2	5	4	Mar-19
Iceland	337 780	20.72	7	0	0	0	0	0	0	0	0	0	0	3	4	Mar-19
Ireland	4 803 748	15.61	75	4	1	1	7	15	2	1	1	1	6	17	19	Mar-19
Israel	8 452 841	444.23	3755	34	37	75	76	140	338	965	900	577	290	156	167	Mar-19
Italy	59 290 969	35.54	2107	498	461	317	147	79	56	83	58	76	172	160	-	Feb-19
Kazakhstan	18 403 860	321.02	5908	1	0	-	1	-	4	8	106	456	1516	1898	1918	Mar-19
Kyrgyzstan	6 132 932	413.18	2534	70	80	99	60	31	75	115	173	323	541	538	429	Mar-19
Latvia	1 929 938	5.18	10	2	3	0	1	1	0	1	0	2	0	0	0	Mar-19
Lithuania	2 876 475	125.85	362	0	0	1	0	1	0	0	15	16	20	107	202	Mar-19
Luxembourg	590 321	32.19	19	1	0	0	0	2	0	0	1	0	0	0	15	Mar-19
Malta	432 089	18.51	8	0	0	0	5	0	0	0	0	0	0	0	3	Mar-19
Monaco	38 897	0.00	0	0	-	0	0	0	0	0	0	0	0	0	0	Mar-19
Montenegro	629 219	211.37	133	60	47	16	10	0	0	0	0	0	0	0	0	Mar-19
Netherlands	17 084 459	1.87	32	0	3	10	1	4	0	0	0	2	4	4	4	Mar-19
North Macedonia	2 085 051	424.45	885	0	1	3	24	7	2	1	5	13	148	287	394	Mar-19
Norway	5 353 363	1.31	7	1	2	0	1	2	0	0	0	0	0	1	-	Feb-19
Poland	38 104 832	11.15	425	24	12	15	21	12	4	34	87	135	81	0	0	Mar-19
Portugal	10 291 196	6.61	68	13	0	3	1	3	3	2	24	12	2	3	2	Mar-19
Republic of Moldova	4 041 065	87.85	355	2	23	10	1	245	20	11	21	4	3	2	13	Mar-19
Romania	19 580 634	70.99	1390	111	104	111	100	92	72	65	81	130	261	75	188	Mar-19
Russian Federation	143 964 709	16.82	2422	257	236	296	167	172	77	54	63	25	263	531	281	Mar-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Serbia	8 762 027	162.75	1426	684	447	170	49	16	15	23	12	7	1	1	1	Mar-19
Slovakia	5 449 816	130.83	713	2	23	83	263	63	26	22	39	49	41	43	59	Mar-19
Slovenia	2 081 260	3.36	7	0	3	3	0	0	0	1	0	0	0	0	0	Mar-19
Spain	46 397 452	4.10	190	50	41	25	15	7	4	4	1	6	11	10	16	Mar-19
Sweden	9 982 709	2.70	27	4	3	2	5	1	3	1	1	2	0	1	4	Mar-19
Switzerland	8 544 034	17.56	150	3	3	2	1	4	4	12	1	2	9	50	59	Mar-19
Tajikistan	9 107 211	0.11	1	0	0	0	0	0	0	0	0	0	0	1	0	Mar-19
Turkey	81 916 871	9.74	798	86	160	65	85	63	1	0	22	25	1	290	0	Mar-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Ukraine	44 009 214	1787.33	78659	3812	5629	4882	3877	2517	1848	3808	7916	10182	13760	11559	8869	Mar-19
United Kingdom	66 573 504	12.92	860	202	155	100	82	54	16	21	26	11	71	61	61	Mar-19
Uzbekistan	32 364 996	3.58	116	0	2	7	7	0	1	0	0	6	9	17	67	Mar-19
Region	922 458 377	124.45	114798	7735	8719	7127	5411	3704	2736	5453	9939	12739	18866	17651	14718	

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

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

Tables 1–4, criteria for date of case inclusion may differ in accordance with Member States' surveillance systems.

Table 2: Reported rubella cases for the period April 2018—March 2019 (data as of 06 May 2019)

Country	Total Population in 2018 ¹	Incidence Rate Apr 2018–Mar 2019 (per 1 million)	Total rubella cases	Month and year of rash onset												Month & year of last report	
				Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19		
Albania	2 934 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Austria	8 751 820	0.11	1	0	0	0	0	0	0	0	0	0	0	1	0	0	Mar-19
Azerbaijan	9 923 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Belarus	9 452 113	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Belgium ²	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	0	1	-	0	0	0	0	1	0	0	0	1	0	Mar-19
Bulgaria	7 036 848	0.14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Croatia	4 164 783	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	0	Feb-19
Cyprus	1 189 085	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Czech Republic	10 625 250	0.09	1	0	0	0	1	0	0	0	0	0	0	0	0	0	Mar-19
Denmark ²	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Finland	5 542 517	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
France ²	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	1.02	4	0	0	0	0	0	0	0	0	0	3	1	0	0	Mar-19
Germany	82 293 457	0.66	54	5	3	8	6	5	6	4	2	4	3	3	5	0	Mar-19
Greece	11 142 161	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	0	Feb-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Ireland	4 803 748	0.21	1	0	0	0	0	0	0	0	0	0	0	0	1	0	Mar-19
Israel	8 452 841	0.12	1	0	0	0	0	0	0	1	0	0	0	0	0	0	Mar-19
Italy	59 290 969	0.34	20	4	2	2	3	1	2	0	2	0	3	1	-	0	Feb-19
Kazakhstan	18 403 860	0.16	3	0	0	-	0	-	0	1	0	0	1	1	0	0	Mar-19
Kyrgyzstan	6 132 932	0.16	1	0	0	1	0	0	0	0	0	0	0	0	0	0	Mar-19
Latvia	1 929 938	1.04	2	1	0	0	0	0	0	-	0	1	0	0	0	0	Mar-19
Lithuania	2 876 475	0.35	1	0	1	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Luxembourg	590 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Malta	432 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Monaco	38 897	0.00	0	-	-	-	-	-	-	-	0	0	0	0	0	0	Mar-19
Montenegro	629 219	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Netherlands	17 084 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
North Macedonia	2 085 051	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Norway	5 353 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	0	Feb-19
Poland	38 104 832	11.47	437	47	58	50	39	36	22	27	26	24	42	22	44	0	Mar-19
Portugal	10 291 196	0.49	5	0	0	2	0	1	1	0	0	0	1	0	0	0	Mar-19
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Romania	19 580 634	0.36	7	1	0	2	1	1	1	0	1	0	0	0	-	0	Feb-19
Russian Federation	143 964 709	0.12	17	0	2	1	0	0	1	0	1	1	1	9	1	0	Mar-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 449 816	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Slovenia	2 081 260	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Spain	46 397 452	0.34	16	1	1	1	0	0	0	0	0	10	3	0	0	0	Mar-19
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Switzerland	8 544 034	0.12	1	0	1	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Turkey	81 916 871	0.18	15	4	1	1	0	1	1	0	4	0	0	3	0	0	Mar-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Ukraine	44 009 214	4.89	215	32	20	12	11	28	15	9	12	13	17	32	14	0	Mar-19
United Kingdom	66 573 504	0.02	1	0	0	0	0	0	1	0	0	0	0	0	0	0	Mar-19
Uzbekistan	32 364 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-19
Region	922 458 377	0.87	807	96	90	80	61	73	50	42	49	53	74	73	66		

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

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

² Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January—March 2019 (data as of 06 May 2019)

Country	Total Population in 2018 ¹	2018 (as of 06 May 2019)			2019													
		Incidence Rate (per 1 million population)	Total measles cases ²	Total measles death	Total measles cases ²	Classification			Discarded Measles	Imported cases	Measles Death	Report			Surveillance Indicators ⁶			
						Lab confirmed	Epi-Link	Clinically compatible ³				Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 934 363	499.60	1466	3	275	246	0	29	233	5	2	100%	100%	Mar-19	94%	7.9	100%	100%
Andorra	76 953	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-19	-	0.0	-	-
Armenia	2 934 152	6.48	19	0	4	4	0	0	43	3	0	100%	100%	Mar-19	100%	1.5	100%	100%
Austria	8 751 820	8.80	77	0	59	53	6	0	32	6	0	100%	100%	Mar-19	80%	0.4	100%	10%
Azerbaijan	9 923 914	7.15	71	0	229	212	17	0	37	1	0	100%	100%	Mar-19	99%	0.4	100%	98%
Belarus ⁷	9 452 113	24.97	236	0	44	44	0	0	65	0	0	100%	100%	Mar-19	100%	0.7	0%	0%
Belgium	11 498 519	10.44	120	0	169	142	18	9	-	0	0	100%	100%	Mar-19	-	-	-	-
Bosnia and Herzegovina	3 503 554	25.40	89	0	327	17	0	310	-	0	0	100%	67%	Mar-19	-	-	-	-
Bulgaria	7 036 848	1.85	13	0	236	208	22	6	-	2	0	100%	100%	Mar-19	97%	-	1%	100%
Croatia	4 164 783	5.52	23	0	1	1	0	0	0	1	0	100%	100%	Mar-19	100%	0.0	100%	0%
Cyprus	1 189 085	11.77	14	0	1	1	0	0	-	1	0	100%	100%	Mar-19	100%	-	100%	0%
Czech Republic	10 625 250	20.42	217	0	210	126	43	41	-	13	0	100%	100%	Mar-19	100%	-	6%	0%
Denmark	5 754 356	1.39	8	0	11	11	0	0	-	3	0	100%	100%	Mar-19	100%	-	100%	0%
Estonia	1 306 788	7.65	10	0	11	11	0	0	23	7	0	100%	100%	Mar-19	100%	1.8	100%	100%
Finland	5 542 517	2.71	15	0	6	6	0	0	-	2	0	100%	100%	Mar-19	100%	-	33%	0%
France	65 233 271	44.66	2913	3	628	364	109	155	-	68	0	100%	100%	Mar-19	92%	-	88%	0%
Georgia	3 907 131	563.84	2203	3	2917	1918	90	909	291	3	2	100%	33%	Mar-19	71%	7.4	99%	95%
Germany	82 293 457	6.59	542	0	286	213	66	7	-	33	0	100%	67%	Mar-19	97%	-	68%	0%
Greece	11 142 161	196.82	2193	2	10	8	1	1	1	6	0	100%	100%	Mar-19	90%	0.0	100%	0%
Hungary	9 688 847	1.44	14	0	11	11	0	0	0	7	0	100%	100%	Mar-19	100%	0.0	82%	100%
Iceland	337 780	0.00	0	-	7	7	0	0	-	1	0	100%	100%	Mar-19	100%	-	100%	100%
Ireland	4 803 748	16.24	78	0	42	24	6	12	-	5	0	100%	100%	Mar-19	89%	-	76%	74%
Israel	8 452 841	373.13	3154	0	613	388	184	41	-	0	0	100%	67%	Mar-19	90%	-	0%	54%
Italy	59 290 969	45.30	2686	9	332	285	18	29	47	18	0	67%	67%	Feb-19	93%	0.1	93%	0%
Kazakhstan	18 403 860	31.30	576	0	5332	4052	1107	173	-	0	0	100%	100%	Mar-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	180.01	1104	2	1508	27	862	619	260	0	1	100%	100%	Mar-19	4%	4.2	98%	99%
Latvia	1 929 938	10.88	21	0	0	0	0	0	-	-	-	100%	100%	Mar-19	-	-	-	-
Lithuania	2 876 475	11.47	33	0	329	329	0	0	-	7	0	100%	67%	Mar-19	100%	-	100%	65%
Luxembourg	590 321	6.78	4	0	15	15	0	0	11	1	0	100%	100%	Mar-19	100%	1.9	93%	100%
Malta	432 089	11.57	5	0	3	3	0	0	-	0	0	100%	100%	Mar-19	100%	-	100%	0%
Monaco	38 897	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-19	-	0.0	-	-
Montenegro	629 219	322.62	203	0	0	0	0	0	13	-	-	100%	67%	Mar-19	100%	2.1	-	92%
Netherlands	17 084 459	1.40	24	0	12	12	0	0	-	6	0	100%	100%	Mar-19	75%	-	83%	0%
North Macedonia	2 085 051	30.69	64	0	829	371	221	237	-	0	3	100%	33%	Mar-19	-	-	-	-
Norway	5 353 363	2.24	12	0	1	1	0	0	-	1	0	67%	67%	Feb-19	100%	-	100%	100%
Poland	38 104 832	9.89	377	0	81	60	8	13	-	15	0	100%	100%	Mar-19	82%	-	99%	100%
Portugal	10 291 196	16.62	171	0	7	6	0	1	30	4	0	100%	100%	Mar-19	100%	0.3	57%	95%
Republic of Moldova	4 041 065	84.14	340	0	18	14	4	0	9	13	0	100%	100%	Mar-19	100%	0.2	94%	96%
Romania	19 580 634	102.40	2005	22	524	423	92	9	-	1	1	100%	100%	Mar-19	98%	-	100%	97%
Russian Federation	143 964 709	15.67	2256	1	1075	968	105	2	806	73	0	100%	100%	Mar-19	100%	0.6	100%	48%
San Marino	33 557	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-19	-	0.0	-	-
Serbia	8 762 027	579.32	5076	14	3	3	0	0	-	0	0	100%	100%	Mar-19	-	-	-	-
Slovakia	5 449 816	104.96	572	0	143	120	19	4	11	4	0	100%	100%	Mar-19	100%	0.2	100%	100%
Slovenia	2 081 260	4.32	9	0	0	0	0	0	-	-	-	100%	100%	Mar-19	-	-	-	-
Spain	46 397 452	4.85	225	0	37	35	1	1	28	7	0	100%	100%	Mar-19	100%	0.1	100%	89%
Sweden	9 982 709	3.81	38	0	5	5	0	0	-	3	0	100%	100%	Mar-19	100%	-	80%	0%
Switzerland	8 544 034	5.97	51	0	118	83	34	1	93	19	0	100%	100%	Mar-19	99%	1.1	86%	53%
Tajikistan	9 107 211	0.00	0	-	1	1	0	0	18	0	0	100%	100%	Mar-19	100%	0.2	100%	95%
Turkey ⁷	81 916 871	6.93	568	0	291	228	63	0	324	2	0	100%	0%	Mar-19	100%	0.4	3%	99%
Turkmenistan	5 851 466	0.00	0	-	0	0	0	0	3	-	-	100%	100%	Mar-19	100%	0.1	-	100%
Ukraine	44 009 214	1209.25	53218	15	34188	3709	0	30479	-	0	15	100%	100%	Mar-19	-	-	-	-
United Kingdom	66 573 504	14.32	953	0	193	193	0	0	-	19	0	100%	100%	Mar-19	100%	-	100%	2%
Uzbekistan	32 364 996	0.71	23	0	93	93	0	0	119	93	0	100%	100%	Mar-19	100%	0.4	100%	100%
Region	922 458 377	91.16	84089	74	51235	15051	3096	33088	2497	453	24	99%	91%		83%	0.5	84%	72%

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

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

² All confirmed measles cases regardless of origin.

³ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

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

⁵ Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed measles cases.

⁶ Surveillance indicators can not be calculated for Member States submitting aggregate data.

⁷ Country classifies discard cases as "discarded, not measles, not rubella".

Table 4: Rubella classification, reporting and surveillance performance, January—March 2019 (data as of 06 May 2019)

Country	Total Population in 2018 ¹	2018 (as of 06 May 2019)		2019												
		Incidence Rate (per 1 million population)	Total rubella cases ²	Total rubella cases ²	Classification					Report			Surveillance Indicators ⁶			
					Lab confirmed	Epi-Link	Clinically compatible ³	Discarded Rubella	Imported cases	Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 934 363	0.00	0	0	0	0	0	233	-	100%	100%	Mar-19	100%	7.9	-	100%
Andorra	76 953	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Armenia	2 934 152	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Austria	8 751 820	0.69	6	1	1	0	0	-	0	100%	100%	Mar-19	100%	-	100%	0%
Azerbaijan	9 923 914	0.00	0	0	0	0	0	1	-	100%	100%	Mar-19	100%	0.0	-	100%
Belarus ⁷	9 452 113	0.21	2	0	0	0	0	65	-	100%	100%	Mar-19	100%	0.7	-	0%
Belgium ⁸	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	1	0	0	1	-	0	100%	67%	Mar-19	-	-	-	-
Bulgaria	7 036 848	0.14	1	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Croatia	4 164 783	0.00	0	0	0	0	0	-	-	67%	67%	Feb-19	-	-	-	-
Cyprus	1 189 085	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Czech Republic	10 625 250	0.19	2	0	0	0	0	-	-	100%	67%	Mar-19	-	-	-	-
Denmark ⁸	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	1	-	100%	100%	Mar-19	100%	0.1	-	100%
Finland	5 542 517	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
France ⁸	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.00	0	4	3	0	1	5	0	100%	33%	Mar-19	89%	0.1	100%	100%
Germany	82 293 457	0.70	58	11	5	0	6	-	1	100%	67%	Mar-19	45%	-	55%	0%
Greece	11 142 161	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Hungary	9 688 847	0.00	0	0	0	0	0	0	-	67%	67%	Feb-19	-	0.0	-	-
Iceland	337 780	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Ireland	4 803 748	0.00	0	1	0	0	1	-	0	100%	100%	Mar-19	0%	-	100%	0%
Israel	8 452 841	0.24	2	0	0	0	0	-	-	100%	67%	Mar-19	-	-	-	-
Italy	59 290 969	0.35	21	4	1	0	3	2	0	67%	67%	Feb-19	67%	0.0	100%	0%
Kazakhstan	18 403 860	0.05	1	2	2	0	0	-	0	100%	100%	Mar-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	1.30	8	0	0	0	0	260	-	100%	100%	Mar-19	2%	4.2	-	98%
Latvia	1 929 938	2.07	4	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Lithuania	2 876 475	0.35	1	0	0	0	0	-	-	100%	67%	Mar-19	-	-	-	-
Luxembourg	590 321	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Malta	432 089	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Monaco	38 897	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Montenegro	629 219	0.00	0	0	0	0	0	0	-	100%	67%	Mar-19	-	0.0	-	-
Netherlands	17 084 459	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
North Macedonia	2 085 051	0.00	0	0	0	0	0	-	-	100%	33%	Mar-19	-	-	-	-
Norway	5 353 363	0.00	0	0	0	0	0	-	-	67%	67%	Feb-19	-	-	-	-
Poland	38 104 832	11.81	450	108	3	1	104	-	0	100%	100%	Mar-19	-	-	-	-
Portugal	10 291 196	0.49	5	1	0	0	1	2	0	100%	100%	Mar-19	67%	0.0	0%	67%
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	1	-	100%	100%	Mar-19	100%	0.0	-	100%
Romania	19 580 634	0.46	9	0	0	0	0	-	-	67%	67%	Feb-19	-	-	-	-
Russian Federation	143 964 709	0.04	6	11	11	0	0	0	2	100%	100%	Mar-19	100%	0.0	100%	27%
San Marino	33 557	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 449 816	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Slovenia	2 081 260	0.00	0	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Spain	46 397 452	0.28	13	3	2	1	0	5	0	100%	100%	Mar-19	100%	0.0	0%	100%
Sweden	9 982 709	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Switzerland	8 544 034	0.23	2	0	0	0	0	7	-	100%	100%	Mar-19	100%	0.1	-	14%
Tajikistan	9 107 211	0.00	0	0	0	0	0	5	-	100%	100%	Mar-19	100%	0.1	-	80%
Turkey ⁷	81 916 871	0.20	16	3	3	0	0	324	1	100%	0%	Mar-19	92%	0.4	33%	98%
Turkmenistan	5 851 466	0.00	0	0	0	0	0	9	-	100%	100%	Mar-19	100%	0.2	-	100%
Ukraine	44 009 214	5.34	235	63	9	0	54	-	0	100%	100%	Mar-19	-	-	-	-
United Kingdom	66 573 504	0.03	2	0	0	0	0	-	-	100%	100%	Mar-19	-	-	-	-
Uzbekistan	32 364 996	0.00	0	0	0	0	0	0	-	100%	100%	Mar-19	-	0.0	-	-
Region	922 458 377	0.92	847	213	40	2	171	920	4	89%	81%	Mar-19	70%	0.2	72%	89%

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

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

² All confirmed rubella cases regardless of origin.

³ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

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

⁵ Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed rubella cases.

⁶ Surveillance indicators can not be calculated for Member States submitting aggregate data.

⁷ Country classifies discard cases as "discarded, not measles, not rubella".

⁸ Country does not have a comprehensive rubella surveillance system.

Table 5: Measles and rubella laboratory test results, January—March 2019 (data as of 06 May 2019)

Country	Measles				Rubella				Report ¹		
	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	416	222 (53)	-	-	1	1 (100)	-	-	100%	100%	Mar-19
Andorra											No lab
Armenia	40	4 (10)	-	-	40	0 (0)	-	-	100%	67%	Mar-19
Austria	557	50 (9)	D8	100%	1430	0 (0)	-	-	100%	100%	Mar-19
Azerbaijan	-	-	-	-	-	-	-	-	-	-	No report
Belarus	143	64 (45)	B3,D8	95%	102	0 (0)	-	-	100%	100%	Mar-19
Belgium	203	104 (51)	B3,D8	82%	23	3 (13)	-	-	67%	0%	Feb-19
Bosnia and Herzegovina	150	111 (74)	B3	100%	143	0 (0)	-	-	100%	100%	Mar-19
Bulgaria	387	247 (64)	-	-	294	0 (0)	-	-	100%	100%	Mar-19
Croatia	0	-	D8	100%	0	-	-	-	33%	0%	Jan-19
Cyprus	-	-	-	-	-	-	-	-	-	-	No report
Czech Republic	800	441 (55)	-	-	184	31 (17)	-	-	100%	100%	Mar-19
Denmark	798	40 (5)	B3,D8	50%	11	1 (9)	-	-	100%	100%	Mar-19
Estonia	141	14 (10)	D8	100%	75	0 (0)	-	-	100%	100%	Mar-19
Finland	108	28 (26)	D8	100%	108	1 (1)	-	-	100%	100%	Mar-19
France	143	62 (43)	B3,D8	13%	37	0 (0)	-	-	33%	0%	Jan-19
Georgia	1464	1135 (78)	D8	100%	235	3 (1)	-	-	100%	100%	Mar-19
Germany	-	-	B3,D8	38%	-	-	-	-	-	-	No report
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	96	27 (28)	B3,D8	91%	34	0 (0)	-	-	100%	100%	Mar-19
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	530	51 (10)	D8	69%	601	211 (35)	-	-	100%	100%	Mar-19
Israel	1625	551 (34)	D8	100%	1659	46 (3)	-	-	100%	67%	Mar-19
Italy	1426	886 (62)	B3,D8	74%	448	8 (2)	-	-	100%	100%	Mar-19
Kazakhstan	4796	4090 (85)	B3,D8	100%	815	2 (0)	-	-	100%	100%	Mar-19
Kyrgyzstan	57	40 (70)	-	-	56	0 (0)	-	-	67%	67%	Feb-19
Latvia	30	2 (7)	D8	100%	46	1 (2)	-	-	67%	67%	Feb-19
Lithuania	1290	446 (35)	-	-	150	0 (0)	-	-	100%	100%	Mar-19
Luxembourg	50	2 (4)	D8	100%	0	-	-	-	100%	100%	Mar-19
Malta	7	0 (0)	-	-	118	0 (0)	-	-	100%	67%	Mar-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	15	6 (40)	D8	100%	11	0 (0)	-	-	67%	67%	Feb-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	67%	33%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	136	24 (18)	D8	50%	8	0 (0)	-	-	100%	100%	Mar-19
Republic of Moldova	27	13 (48)	-	-	25	0 (0)	-	-	100%	100%	Mar-19
Romania	808	645 (80)	B3,D8	100%	158	0 (0)	-	-	100%	100%	Mar-19
Russian Federation	2936	1466 (50)	-	-	2167	25 (1)	-	-	100%	100%	Mar-19
San Marino											No lab
Serbia	34	4 (12)	D8	100%	34	1 (3)	-	-	100%	100%	Mar-19
Slovakia	79	53 (67)	-	-	0	-	-	-	100%	100%	Mar-19
Slovenia	24	0 (0)	-	-	24	0 (0)	-	-	100%	100%	Mar-19
Spain	-	-	B3,D8	78%	-	-	-	-	-	-	No report
Sweden	420	11 (3)	B3,D8	100%	391	2 (1)	-	-	100%	100%	Mar-19
Switzerland	94	47 (50)	B3,D8	99%	0	-	-	-	67%	67%	Feb-19
Tajikistan	25	1 (4)	-	-	25	0 (0)	-	-	100%	100%	Mar-19
Turkey	3262	775 (24)	-	-	2467	32 (1)	-	-	100%	67%	Mar-19
Turkmenistan	13	0 (0)	-	-	13	0 (0)	-	-	100%	100%	Mar-19
Ukraine	545	273 (50)	-	-	242	10 (4)	-	-	100%	100%	Mar-19
United Kingdom	1030	175 (17)	B3,D8	67%	210	0 (0)	-	-	100%	100%	Mar-19
Uzbekistan	216	94 (44)	-	-	216	0 (0)	-	-	100%	100%	Mar-19
Region	25318	12392 (49)	-	76%	12601	378 (3)	-	-	71%	65%	

¹ Data source: Monthly aggregated or specimen-based data reported to WHO/Europe.

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.

NB: 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 tables 1-4.

