

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 February 2018—January 2019 (data as of 4 March 2019)

Country	Total Population in 2018 ¹	Incidence Rate Feb 2018–Jan 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	
Albania	2 934 363	503.01	1476	164	345	359	245	134	45	13	17	20	34	27	73	Jan-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Armenia	2 934 152	6.48	19	2	14	1	0	0	0	0	1	0	0	1	0	Jan-19
Austria	8 751 820	10.85	95	8	14	16	11	6	1	3	6	0	4	1	25	Jan-19
Azerbaijan	9 923 914	17.03	169	0	0	0	0	0	0	0	0	0	24	47	98	Jan-19
Belarus	9 452 113	26.24	248	17	41	53	58	13	23	12	7	2	5	5	12	Jan-19
Belgium	11 498 519	11.91	137	6	9	11	24	22	3	11	14	4	8	7	18	Jan-19
Bosnia and Herzegovina	3 503 554	24.55	86	7	13	13	34	13	4	0	0	0	0	0	2	Jan-19
Bulgaria	7 036 848	1.71	12	0	2	1	1	1	7	0	0	0	0	0	0	Jan-19
Croatia	4 164 783	5.52	23	0	0	1	2	16	3	1	0	0	0	0	0	Jan-19
Cyprus	1 189 085	7.57	9	7	2	0	0	0	0	0	0	0	0	0	0	Jan-19
Czech Republic	10 625 250	23.06	245	22	38	39	24	10	3	6	6	6	20	27	44	Jan-19
Denmark	5 754 356	1.56	9	0	3	0	0	0	0	2	2	0	0	1	1	Jan-19
Estonia	1 306 788	9.95	13	0	4	6	0	0	0	0	0	0	0	0	3	Jan-19
Finland	5 542 517	3.25	18	0	0	1	3	0	0	3	0	0	2	6	3	Jan-19
France	65 233 271	42.92	2800	515	761	620	250	191	81	29	38	76	61	54	124	Jan-19
Georgia	3 907 131	812.87	3176	159	158	221	253	211	163	60	47	105	219	482	1098	Jan-19
Germany	82 293 457	6.11	503	34	61	100	89	102	42	25	25	8	9	8	-	Dec-18
Greece	11 142 161	155.00	1727	454	501	371	249	112	29	8	2	0	0	1	0	Jan-19
Hungary	9 688 847	1.44	14	5	6	0	0	0	0	0	0	0	0	1	2	Jan-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Ireland	4 803 748	17.28	83	19	19	4	1	1	7	16	6	4	3	2	1	Jan-19
Israel	8 452 841	399.51	3377	0	9	34	37	75	76	140	337	953	894	564	258	Jan-19
Italy	59 290 969	44.39	2632	301	391	498	461	317	147	79	56	83	58	76	165	Jan-19
Kazakhstan	18 403 860	113.67	2092	0	0	1	0	-	1	-	4	8	106	456	1516	Jan-19
Kyrgyzstan	6 132 932	246.05	1509	15	33	70	80	99	60	31	75	115	172	320	439	Jan-19
Latvia	1 929 938	6.22	12	2	0	2	3	0	1	1	0	1	0	2	0	Jan-19
Lithuania	2 876 475	14.60	42	0	0	0	0	1	0	1	0	0	15	16	9	Jan-19
Luxembourg	590 321	6.78	4	0	0	1	0	0	0	2	0	0	1	0	0	Jan-19
Malta	432 089	11.57	5	0	0	0	0	0	5	0	0	0	0	0	0	Jan-19
Monaco	38 897	0.00	0	0	0	0	-	0	0	0	0	0	0	0	0	Jan-19
Montenegro	629 219	319.44	201	14	54	60	47	16	10	0	0	0	0	0	0	Jan-19
Netherlands	17 084 459	1.46	25	2	2	0	3	10	1	4	0	0	0	2	1	Jan-19
North Macedonia	2 085 051	28.78	60	4	0	0	1	3	24	7	2	1	5	13	0	Jan-19
Norway	5 353 363	2.43	13	4	2	1	2	0	1	2	0	0	0	0	1	Jan-19
Poland	38 104 832	8.27	315	7	6	24	12	15	21	12	4	34	84	96	0	Jan-19
Portugal	10 291 196	16.81	173	4	106	13	0	3	1	3	3	2	24	12	2	Jan-19
Republic of Moldova	4 041 065	84.14	340	1	0	2	23	10	1	245	20	11	21	4	2	Jan-19
Romania	19 580 634	63.69	1247	102	105	111	104	111	100	92	63	54	74	70	261	Jan-19
Russian Federation	143 964 709	14.24	2050	296	320	257	236	296	167	172	77	54	63	25	87	Jan-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Serbia	8 762 027	476.60	4176	1230	1522	684	447	170	49	16	15	23	12	7	1	Jan-19
Slovakia	5 449 816	112.66	614	0	2	3	23	87	262	63	26	22	39	51	36	Jan-19
Slovenia	2 081 260	3.36	7	0	0	0	3	3	0	0	0	1	0	0	0	Jan-19
Spain	46 397 452	4.96	230	14	52	50	41	25	15	7	4	4	1	6	11	Jan-19
Sweden	9 982 709	2.60	26	3	1	4	3	2	5	1	3	1	1	2	0	Jan-19
Switzerland	8 544 034	6.09	52	6	6	3	3	2	1	4	4	12	1	2	8	Jan-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Turkey	81 916 871	6.87	563	5	51	86	160	65	85	63	1	0	22	25	0	Jan-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Ukraine	44 009 214	1453.06	63948	3099	2618	3812	5629	4882	3877	2517	1848	3808	7916	10182	13760	Jan-19
United Kingdom	66 573 504	14.13	941	81	150	202	155	100	82	54	16	21	26	11	43	Jan-19
Uzbekistan	32 364 996	0.96	31	0	0	0	2	7	7	0	1	0	0	6	8	Jan-19
Region	922 458 377	103.58	95547	6609	7421	7735	8719	7131	5410	3705	2730	5433	9924	12618	18112	

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.

¹Population 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 February 2018—January 2019 (data as of 4 March 2019)

Country	Total Population in 2018 ¹	Incidence Rate Feb 2018–Jan 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report	
				Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19		
Albania	2 934 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Austria	8 751 820	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Azerbaijan	9 923 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Belarus	9 452 113	0.11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Belgium ²	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.57	2	0	0	0	1	-	0	0	0	0	1	0	0	0	Jan-19
Bulgaria	7 036 848	0.14	1	0	0	1	0	0	0	0	0	0	0	0	0	0	Jan-19
Croatia	4 164 783	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Cyprus	1 189 085	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Czech Republic	10 625 250	0.19	2	1	0	0	0	0	1	0	0	0	0	0	0	0	Jan-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	Jan-19
Finland	5 542 517	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
France ²	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.77	3	0	0	0	0	0	0	0	0	0	0	0	0	3	Jan-19
Germany	82 293 457	0.61	50	3	5	5	3	8	6	6	6	4	2	2	-	-	Dec-18
Greece	11 142 161	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Ireland	4 803 748	0.83	4	1	0	1	0	0	1	0	0	1	0	0	0	0	Jan-19
Israel	8 452 841	0.24	2	0	1	0	0	0	0	0	0	1	0	0	0	0	Jan-19
Italy	59 290 969	0.37	22	2	2	4	2	2	3	1	2	0	2	0	2	2	Jan-19
Kazakhstan	18 403 860	0.11	2	0	0	0	0	-	0	-	0	1	0	0	0	1	Jan-19
Kyrgyzstan	6 132 932	0.65	4	0	3	0	0	1	0	0	0	0	0	0	0	0	Jan-19
Latvia	1 929 938	1.04	2	1	0	1	0	0	0	0	0	-	0	0	0	0	Jan-19
Lithuania	2 876 475	0.35	1	0	0	0	1	0	0	0	0	0	0	0	0	0	Jan-19
Luxembourg	590 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Malta	432 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Monaco	38 897	0.00	0	-	-	-	-	-	-	-	-	-	0	0	0	0	Jan-19
Montenegro	629 219	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Netherlands	17 084 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
North Macedonia	2 085 051	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Norway	5 353 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Poland	38 104 832	12.10	461	43	42	47	58	50	39	36	22	27	26	24	47	47	Jan-19
Portugal	10 291 196	0.58	6	1	0	0	0	2	0	1	1	0	0	0	0	1	Jan-19
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Romania	19 580 634	0.41	8	0	1	1	0	2	1	1	1	0	1	0	0	0	Jan-19
Russian Federation	143 964 709	0.05	7	0	0	0	2	1	0	0	1	0	1	1	1	1	Jan-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 449 816	0.18	1	0	0	0	0	0	0	0	0	1	0	0	0	0	Jan-19
Slovenia	2 081 260	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Spain	46 397 452	0.41	19	0	0	1	1	1	0	0	0	0	0	10	6	6	Jan-19
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Switzerland	8 544 034	0.23	2	1	0	0	1	0	0	0	0	0	0	0	0	0	Jan-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Turkey	81 916 871	0.20	16	0	4	4	1	1	0	1	1	0	4	0	0	0	Jan-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Ukraine	44 009 214	5.18	228	42	17	32	20	12	11	28	15	9	12	13	17	17	Jan-19
United Kingdom	66 573 504	0.03	2	1	0	0	0	0	0	0	1	0	0	0	0	0	Jan-19
Uzbekistan	32 364 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-19
Region	922 458 377	0.92	846	97	75	97	90	80	62	74	50	44	49	50	78		

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 2019 (data as of 4 March 2019)

Country	Total Population in 2018 ¹	2018 (as of 4 March 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	73	65	0	8	57	4	1	100%	100%	Jan-19	94%	1.9	100%	100%
Andorra	76 953	0.00	0	-	0	0	0	0	0	0	-	100%	100%	Jan-19	-	0.0	-	-
Armenia	2 934 152	6.48	19	0	0	0	0	0	17	0	0	100%	100%	Jan-19	100%	0.6	-	100%
Austria	8 751 820	8.80	77	0	25	23	2	0	5	2	0	100%	100%	Jan-19	89%	0.1	96%	13%
Azerbaijan	9 923 914	7.15	71	0	98	90	0	8	12	0	0	100%	100%	Jan-19	93%	0.1	92%	99%
Belarus ⁷	9 452 113	24.97	236	0	12	12	0	0	13	0	0	100%	100%	Jan-19	100%	0.1	0%	0%
Belgium	11 498 519	10.44	120	0	18	10	4	4	-	0	0	100%	100%	Jan-19	-	-	-	-
Bosnia and Herzegovina	3 503 554	25.40	89	0	2	0	0	2	-	0	0	100%	100%	Jan-19	-	-	-	-
Bulgaria	7 036 848	1.85	13	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Croatia	4 164 783	5.52	23	0	0	0	0	0	0	0	-	100%	100%	Jan-19	-	0.0	-	-
Cyprus	1 189 085	11.77	14	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Czech Republic	10 625 250	20.52	218	0	44	40	3	1	-	7	0	100%	100%	Jan-19	98%	-	16%	0%
Denmark	5 754 356	1.39	8	0	1	1	0	0	-	1	0	100%	100%	Jan-19	100%	-	100%	0%
Estonia	1 306 788	7.65	10	0	3	3	0	0	3	3	0	100%	100%	Jan-19	100%	0.2	100%	100%
Finland	5 542 517	2.71	15	0	3	3	0	0	-	2	0	100%	100%	Jan-19	100%	-	67%	0%
France	65 233 271	44.66	2913	3	124	81	12	31	-	22	0	100%	100%	Jan-19	91%	-	88%	0%
Georgia	3 907 131	563.84	2203	3	1098	695	28	375	104	0	0	100%	0%	Jan-19	68%	2.7	99%	94%
Germany	82 293 457	6.46	532	0	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Greece	11 142 161	196.82	2193	2	0	0	0	0	0	0	-	100%	100%	Jan-19	-	0.0	-	-
Hungary	9 688 847	1.44	14	0	2	2	0	0	0	2	0	100%	100%	Jan-19	100%	0.0	100%	100%
Iceland	337 780	0.00	0	-	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Ireland	4 803 748	18.94	91	0	1	0	0	1	-	0	0	100%	100%	Jan-19	100%	-	0%	0%
Israel	8 452 841	369.34	3122	0	258	167	84	7	-	0	0	100%	100%	Jan-19	96%	-	0%	33%
Italy	59 290 969	45.30	2686	9	165	142	10	13	25	15	0	100%	100%	Jan-19	95%	0.0	94%	0%
Kazakhstan	18 403 860	31.30	576	0	1516	1237	107	172	-	0	0	100%	100%	Jan-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	179.36	1100	2	439	16	268	155	70	0	0	100%	100%	Jan-19	7%	1.1	100%	99%
Latvia	1 929 938	10.36	20	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Lithuania	2 876 475	11.47	33	0	9	9	0	0	-	1	0	100%	100%	Jan-19	100%	-	100%	67%
Luxembourg	590 321	6.78	4	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Malta	432 089	11.57	5	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Monaco	38 897	0.00	0	-	0	0	0	0	0	0	-	100%	100%	Jan-19	-	0.0	-	-
Montenegro	629 219	322.62	203	0	0	0	0	0	9	0	0	100%	0%	Jan-19	100%	1.4	-	100%
Netherlands	17 084 459	1.40	24	0	1	1	0	0	-	1	0	100%	100%	Jan-19	100%	-	100%	0%
North Macedonia	2 085 051	30.69	64	0	0	0	0	0	-	0	-	100%	0%	Jan-19	-	-	-	-
Norway	5 353 363	2.24	12	0	1	1	0	0	-	1	0	100%	100%	Jan-19	100%	-	100%	100%
Poland	38 104 832	8.79	335	0	0	0	0	0	-	0	0	100%	100%	Jan-19	-	-	-	-
Portugal	10 291 196	16.62	171	0	2	2	0	0	10	1	0	100%	100%	Jan-19	100%	0.1	50%	100%
Republic of Moldova	4 041 065	84.14	340	0	2	2	0	0	2	1	0	100%	100%	Jan-19	100%	0.0	100%	100%
Romania	19 580 634	55.51	1087	22	261	172	83	6	-	1	1	100%	100%	Jan-19	97%	-	100%	100%
Russian Federation	143 964 709	15.67	2256	1	87	87	0	0	229	16	0	100%	100%	Jan-19	100%	0.2	100%	25%
San Marino	33 557	0.00	0	-	0	0	0	0	0	0	-	100%	100%	Jan-19	-	0.0	-	-
Serbia	8 762 027	579.32	5076	14	1	1	0	0	-	0	0	100%	100%	Jan-19	-	-	-	-
Slovakia	5 449 816	106.24	579	0	36	29	7	0	7	0	0	100%	100%	Jan-19	0%	0.1	100%	100%
Slovenia	2 081 260	4.32	9	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Spain	46 397 452	4.85	225	0	11	11	0	0	7	4	0	100%	100%	Jan-19	94%	0.0	64%	100%
Sweden	9 982 709	3.81	38	0	0	0	0	0	-	0	-	100%	100%	Jan-19	-	-	-	-
Switzerland	8 544 034	5.97	51	0	8	8	0	0	25	4	0	100%	100%	Jan-19	100%	0.3	100%	33%
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	3	0	0	100%	100%	Jan-19	100%	0.0	-	67%
Turkey ⁷	81 916 871	6.93	568	0	0	0	0	0	0	0	-	100%	0%	Jan-19	-	0.0	-	-
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	1	0	0	100%	100%	Jan-19	100%	0.0	-	100%
Ukraine	44 009 214	1209.25	53218	15	13760	1256	0	12504	-	0	6	100%	100%	Jan-19	-	-	-	-
United Kingdom	66 573 504	14.32	953	0	43	43	0	0	-	5	0	100%	100%	Jan-19	100%	-	100%	0%
Uzbekistan	32 364 996	0.71	23	0	8	8	0	0	7	8	0	100%	100%	Jan-19	100%	0.0	100%	93%
Region	922 458 377	90.09	83103	74	18112	4217	608	13287	606	101	8	98%	91%		77%	0.1	87%	71%

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 2019 (data as of 4 March 2019)

Country	Total Population in 2018 ¹	2018 (as of 4 March 2019)		2019												
		Incidence Rate (per 1 million population)	Total rubella cases ²	Total rubella cases ²	Classification			Discarded Rubella	Imported cases	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	0.00	0	0	0	0	0	57	0	100%	100%	Jan-19	100%	1.9	-	100%
Andorra	76 953	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Austria	8 751 820	0.69	6	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Azerbaijan	9 923 914	0.00	0	0	0	0	0	1	0	100%	100%	Jan-19	100%	0.0	-	100%
Belarus ⁷	9 452 113	0.21	2	0	0	0	0	13	0	100%	100%	Jan-19	100%	0.1	-	0%
Belgium ⁸	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Bulgaria	7 036 848	0.14	1	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Croatia	4 164 783	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Cyprus	1 189 085	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Czech Republic	10 625 250	0.19	2	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Denmark ⁸	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	1	0	100%	100%	Jan-19	100%	0.1	-	100%
Finland	5 542 517	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
France ⁸	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.00	0	3	3	0	0	0	0	100%	0%	Jan-19	100%	0.0	100%	100%
Germany	82 293 457	0.69	57	-	-	-	-	-	-	-	-	No report	-	-	-	-
Greece	11 142 161	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Iceland	337 780	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Ireland	4 803 748	0.83	4	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Israel	8 452 841	0.24	2	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Italy	59 290 969	0.35	21	2	1	0	1	1	0	100%	100%	Jan-19	100%	0.0	100%	0%
Kazakhstan	18 403 860	0.05	1	1	1	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	1.30	8	0	0	0	0	70	0	100%	100%	Jan-19	3%	1.1	-	99%
Latvia	1 929 938	1.55	3	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Lithuania	2 876 475	0.35	1	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Luxembourg	590 321	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Malta	432 089	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Monaco	38 897	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Montenegro	629 219	0.00	0	0	0	0	0	0	0	100%	0%	Jan-19	-	0.0	-	-
Netherlands	17 084 459	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
North Macedonia	2 085 051	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Norway	5 353 363	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Poland	38 104 832	11.81	450	47	0	1	46	-	0	100%	100%	Jan-19	-	-	-	-
Portugal	10 291 196	0.49	5	1	0	0	1	0	0	100%	100%	Jan-19	0%	0.0	0%	0%
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	1	0	100%	100%	Jan-19	100%	0.0	-	100%
Romania	19 580 634	0.46	9	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Russian Federation	143 964 709	0.04	6	1	1	0	0	0	0	100%	100%	Jan-19	100%	0.0	100%	0%
San Marino	33 557	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 449 816	0.18	1	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Slovenia	2 081 260	0.00	0	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Spain	46 397 452	0.28	13	6	4	2	0	1	0	100%	100%	Jan-19	100%	0.0	0%	100%
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Switzerland	8 544 034	0.23	2	0	0	0	0	1	0	100%	100%	Jan-19	100%	0.0	-	0%
Tajikistan	9 107 211	0.00	0	0	0	0	0	2	0	100%	100%	Jan-19	100%	0.0	-	50%
Turkey ⁷	81 916 871	0.20	16	0	0	0	0	0	0	100%	0%	Jan-19	-	0.0	-	-
Turkmenistan	5 851 466	0.00	0	0	0	0	0	4	0	100%	100%	Jan-19	100%	0.1	-	100%
Ukraine	44 009 214	5.34	235	17	2	0	15	-	0	100%	100%	Jan-19	-	-	-	-
United Kingdom	66 573 504	0.03	2	0	0	0	0	-	0	100%	100%	Jan-19	-	-	-	-
Uzbekistan	32 364 996	0.00	0	0	0	0	0	0	0	100%	100%	Jan-19	-	0.0	-	-
Region	922 458 377	0.92	850	78	12	3	63	152	0	91%	85%		58%	0.0	46%	87%

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 2019 (data as of 4 March 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	104	54 (52)	-	-	1	1 (100)	-	-	100%	100%	Jan-19
Andorra											No lab
Armenia	10	0 (0)	-	-	10	0 (0)	-	-	100%	100%	Jan-19
Austria	167	20 (12)	D8	100%	528	0 (0)	-	-	100%	100%	Jan-19
Azerbaijan	-	-	-	-	-	-	-	-	-	-	No report
Belarus	35	18 (51)	-	-	29	0 (0)	-	-	100%	100%	Jan-19
Belgium	-	-	-	-	-	-	-	-	-	-	No report
Bosnia and Herzegovina	9	7 (78)	B3	100%	7	0 (0)	-	-	100%	100%	Jan-19
Bulgaria	1	0 (0)	-	-	1	0 (0)	-	-	100%	100%	Jan-19
Croatia	0	-	-	-	0	-	-	-	100%	0%	Jan-19
Cyprus	-	-	-	-	-	-	-	-	-	-	No report
Czech Republic	95	50 (53)	-	-	51	8 (16)	-	-	100%	100%	Jan-19
Denmark	53	1 (2)	B3,D8	100%	5	1 (20)	-	-	100%	100%	Jan-19
Estonia	5	0 (0)	-	-	30	0 (0)	-	-	100%	100%	Jan-19
Finland	36	21 (58)	D8	100%	36	0 (0)	-	-	100%	100%	Jan-19
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	455	367 (81)	D8	100%	71	1 (1)	-	-	100%	100%	Jan-19
Germany	-	-	D8	100%	-	-	-	-	-	-	No report
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	31	5 (16)	-	-	9	0 (0)	-	-	100%	100%	Jan-19
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	89	1 (1)	-	-	221	0 (0)	-	-	100%	100%	Jan-19
Israel	783	263 (34)	D8	100%	807	17 (2)	-	-	100%	100%	Jan-19
Italy	459	279 (61)	-	-	76	3 (4)	-	-	100%	100%	Jan-19
Kazakhstan	1402	1235 (88)	B3,D8	100%	130	1 (1)	-	-	100%	100%	Jan-19
Kyrgyzstan	37	30 (81)	-	-	36	0 (0)	-	-	100%	100%	Jan-19
Latvia	19	2 (11)	-	-	29	0 (0)	-	-	100%	100%	Jan-19
Lithuania	61	18 (30)	-	-	29	0 (0)	-	-	100%	100%	Jan-19
Luxembourg	11	0 (0)	-	-	-	-	-	-	100%	100%	Jan-19
Malta	1	0 (0)	-	-	60	0 (0)	-	-	100%	100%	Jan-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	9	3 (33)	D8	100%	6	0 (0)	-	-	100%	100%	Jan-19
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	-	-	-	-	-	-	-	-	-	-	No report
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	50	7 (14)	-	-	2	0 (0)	-	-	100%	100%	Jan-19
Republic of Moldova	6	3 (50)	-	-	5	0 (0)	-	-	100%	100%	Jan-19
Romania	210	165 (79)	B3	100%	49	0 (0)	-	-	100%	100%	Jan-19
Russian Federation	576	299 (52)	-	-	439	1 (0)	-	-	100%	100%	Jan-19
San Marino											No lab
Serbia	21	1 (5)	-	-	21	1 (5)	-	-	100%	100%	Jan-19
Slovakia	26	14 (54)	-	-	0	-	-	-	100%	100%	Jan-19
Slovenia	8	0 (0)	-	-	8	0 (0)	-	-	100%	100%	Jan-19
Spain	-	-	D8	100%	-	-	-	-	-	-	No report
Sweden	127	2 (2)	D8	100%	148	1 (1)	-	-	100%	100%	Jan-19
Switzerland	37	14 (38)	B3,D8	100%	0	-	-	-	100%	100%	Jan-19
Tajikistan	-	-	-	-	-	-	-	-	-	-	No report
Turkey	479	60 (13)	-	-	404	5 (1)	-	-	100%	100%	Jan-19
Turkmenistan	-	-	-	-	-	-	-	-	-	-	No report
Ukraine	135	75 (56)	B3,D8	100%	86	3 (3)	-	-	100%	100%	Jan-19
United Kingdom	298	105 (35)	D8	100%	64	0 (0)	-	-	100%	100%	Jan-19
Uzbekistan	16	9 (56)	-	-	16	0 (0)	-	-	100%	100%	Jan-19
Region	5861	3128 (53)	-	100%	3414	43 (1)	-	-	68%	66%	

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 Table 1.