

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 May 2018—April 2019 (data as of 31 May 2019)

Country	Total Population in 2018 ¹	Incidence Rate May 2018–Apr 2019 (per 1 million)	Total measles cases	Month and year of rash onset												Month & year of last report
				May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	
Albania	2 934 363	313.53	920	245	134	45	13	17	20	34	27	73	64	138	110	Apr-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Armenia	2 934 152	2.04	6	0	0	0	0	1	0	0	1	0	2	2	0	Apr-19
Austria	8 751 820	13.48	118	11	6	1	3	6	0	4	1	25	33	1	27	Apr-19
Azerbaijan	9 923 914	32.14	319	0	0	0	0	0	0	24	47	131	79	19	19	Apr-19
Belarus	9 452 113	18.41	174	58	13	23	12	7	2	5	5	14	19	16	0	Apr-19
Belgium	11 498 519	25.92	298	24	22	3	11	14	4	8	7	18	86	66	35	Apr-19
Bosnia and Herzegovina	3 503 554	107.89	378	34	13	4	0	0	0	0	0	2	34	291	-	Mar-19
Bulgaria	7 036 848	74.47	524	1	1	7	0	0	0	0	0	1	65	227	222	Apr-19
Croatia	4 164 783	5.52	23	2	16	3	1	0	0	0	0	0	1	0	0	Apr-19
Cyprus	1 189 085	1.68	2	0	0	0	0	0	0	0	0	1	0	0	1	Apr-19
Czech Republic	10 625 250	51.76	550	24	10	3	6	6	6	19	15	66	162	169	64	Apr-19
Denmark	5 754 356	3.13	18	0	0	0	2	2	0	0	1	2	3	6	2	Apr-19
Estonia	1 306 788	8.42	11	0	0	0	0	0	0	0	0	4	5	2	0	Apr-19
Finland	5 542 517	3.97	22	3	0	0	3	0	0	2	6	3	3	0	2	Apr-19
France	65 233 271	26.73	1744	250	191	81	29	38	76	61	54	123	207	309	325	Apr-19
Georgia	3 907 131	1278.94	4997	253	211	163	60	47	105	219	482	1096	1029	792	540	Apr-19
Germany	82 293 457	8.31	684	89	102	42	25	25	8	9	17	109	79	123	56	Apr-19
Greece	11 142 161	37.96	423	249	112	29	8	2	0	0	1	1	5	5	11	Apr-19
Hungary	9 688 847	1.44	14	0	0	0	0	0	0	0	1	2	5	4	2	Apr-19
Iceland	337 780	20.72	7	0	0	0	0	0	0	0	0	0	3	4	0	Apr-19
Ireland	4 803 748	16.03	77	1	1	7	15	2	1	1	1	6	17	21	4	Apr-19
Israel	8 452 841	459.73	3886	37	75	76	140	338	965	901	578	290	158	201	127	Apr-19
Italy	59 290 969	36.06	2138	461	317	147	79	56	83	58	76	175	168	219	299	Apr-19
Kazakhstan	18 403 860	399.32	7349	0	-	1	-	4	8	106	456	1516	1898	1918	1442	Apr-19
Kyrgyzstan	6 132 932	476.93	2925	80	99	60	31	75	115	173	323	541	544	560	324	Apr-19
Latvia	1 929 938	4.15	8	3	0	1	1	0	1	0	2	0	0	0	0	Apr-19
Lithuania	2 876 475	201.64	580	0	1	0	1	0	0	15	16	22	113	334	78	Apr-19
Luxembourg	590 321	42.35	25	0	0	0	2	0	0	1	0	0	0	18	4	Apr-19
Malta	432 089	48.60	21	0	0	5	0	0	0	0	0	0	0	3	13	Apr-19
Monaco	38 897	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Montenegro	629 219	116.02	73	47	16	10	0	0	0	0	0	0	0	0	0	Apr-19
Netherlands	17 084 459	2.11	36	3	10	1	4	0	0	0	2	4	4	7	1	Apr-19
North Macedonia	2 085 051	657.06	1370	1	3	24	7	2	1	5	13	148	287	400	479	Apr-19
Norway	5 353 363	1.68	9	2	0	1	2	0	0	0	0	0	1	0	3	Apr-19
Poland	38 104 832	10.52	401	12	15	21	12	4	34	87	135	81	0	0	0	Apr-19
Portugal	10 291 196	5.25	54	0	3	1	3	3	2	24	12	2	2	2	0	Apr-19
Republic of Moldova	4 041 065	87.85	355	23	10	1	245	20	11	21	4	3	2	13	2	Apr-19
Romania	19 580 634	70.84	1387	104	111	100	92	72	65	81	130	261	75	188	108	Apr-19
Russian Federation	143 964 709	18.85	2714	236	296	167	172	77	54	63	25	316	616	476	216	Apr-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Serbia	8 762 027	85.03	745	447	170	49	16	15	23	12	7	1	1	1	3	Apr-19
Slovakia	5 449 816	149.73	816	23	83	263	63	26	22	39	49	41	44	83	80	Apr-19
Slovenia	2 081 260	6.25	13	3	3	0	0	0	1	0	0	0	0	0	6	Apr-19
Spain	46 397 452	3.73	173	41	24	14	7	4	4	1	6	11	11	23	27	Apr-19
Sweden	9 982 709	2.91	29	3	2	5	1	3	1	1	2	0	1	4	6	Apr-19
Switzerland	8 544 034	23.41	200	3	2	1	4	4	12	1	2	9	50	64	48	Apr-19
Tajikistan	9 107 211	0.22	2	0	0	0	0	0	0	0	0	0	1	0	1	Apr-19
Turkey	81 916 871	15.76	1291	160	65	85	63	1	0	22	25	1	290	5	574	Apr-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Ukraine	44 009 214	1898.08	83533	5629	4882	3877	2517	1848	3808	7916	10182	13760	11559	8869	8686	Apr-19
United Kingdom	66 573 504	11.69	778	155	100	82	54	16	21	26	11	78	73	83	79	Apr-19
Uzbekistan	32 364 996	7.29	236	2	7	7	0	1	0	0	6	9	17	80	107	Apr-19
Region	922 458 377	132.75	122456	8719	7126	5410	3704	2736	5453	9939	12728	18946	17816	15746	14133	

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 May 2018—April 2019 (data as of 31 May 2019)

Country	Total Population in 2018 ¹	Incidence Rate May 2018–Apr 2019 (per 1 million)	Total rubella cases	Month and year of rash onset												Month & year of last report	
				May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19		
Albania	2 934 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Austria	8 751 820	0.11	1	0	0	0	0	0	0	0	0	0	1	0	0	0	Apr-19
Azerbaijan	9 923 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Belarus	9 452 113	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Belgium ²	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	1	-	0	0	0	0	1	0	0	0	1	-	-	Mar-19
Bulgaria	7 036 848	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Croatia	4 164 783	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Cyprus	1 189 085	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Czech Republic	10 625 250	0.09	1	0	0	1	0	0	0	0	0	0	0	0	0	0	Apr-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	Apr-19
Finland	5 542 517	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
France ²	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	1.28	5	0	0	0	0	0	0	0	0	3	1	0	1	0	Apr-19
Germany	82 293 457	0.66	54	3	8	6	5	6	4	2	4	3	3	7	3	0	Apr-19
Greece	11 142 161	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	-	Mar-19
Ireland	4 803 748	0.62	3	0	0	0	0	0	0	0	0	0	0	1	2	0	Apr-19
Israel	8 452 841	0.12	1	0	0	0	0	0	1	0	0	0	0	0	0	0	Apr-19
Italy	59 290 969	0.32	19	2	2	3	1	2	0	2	0	3	2	2	0	0	Apr-19
Kazakhstan	18 403 860	0.16	3	0	-	0	-	0	1	0	0	1	1	0	0	0	Apr-19
Kyrgyzstan	6 132 932	0.49	3	0	1	0	0	0	0	0	0	0	0	1	1	0	Apr-19
Latvia	1 929 938	1.55	3	0	0	0	0	0	0	0	1	1	0	0	1	0	Apr-19
Lithuania	2 876 475	0.35	1	1	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Luxembourg	590 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Malta	432 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Monaco	38 897	0.00	0	-	-	-	-	-	-	0	0	0	0	0	0	0	Apr-19
Montenegro	629 219	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Netherlands	17 084 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
North Macedonia	2 085 051	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Norway	5 353 363	0.00	0	0	0	0	0	0	0	0	0	0	0	-	-	-	Feb-19
Poland	38 104 832	11.05	421	58	50	39	36	22	27	26	24	42	22	43	32	0	Apr-19
Portugal	10 291 196	0.49	5	0	2	0	1	1	0	0	0	1	0	0	0	0	Apr-19
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Romania	19 580 634	0.31	6	0	2	1	1	1	0	1	0	0	0	0	0	0	Apr-19
Russian Federation	143 964 709	0.13	19	2	1	0	0	1	0	1	1	1	10	2	0	0	Apr-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-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	Apr-19
Slovenia	2 081 260	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Spain	46 397 452	0.30	14	1	1	0	0	0	0	0	9	3	0	0	0	0	Apr-19
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Switzerland	8 544 034	0.12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Turkey	81 916 871	0.24	20	1	1	0	1	1	0	4	0	0	3	0	9	0	Apr-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-19
Ukraine	44 009 214	4.54	200	20	12	11	28	15	9	12	13	17	32	14	17	0	Apr-19
United Kingdom	66 573 504	0.02	1	0	0	0	0	1	0	0	0	0	0	0	0	0	Apr-19
Uzbekistan	32 364 996	0.03	1	0	0	0	0	0	0	0	0	0	0	0	1	0	Apr-19
Region	922 458 377	0.85	785	90	80	61	73	50	42	49	52	75	75	71	67		

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—April 2019 (data as of 31 May 2019)

Country	Total Population in 2018 ¹	2018 (as of 31 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	385	315	0	70	283	16	2	100%	100%	Apr-19	90%	9.6	100%	100%
Andorra	76 953	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-19	-	0.0	-	-
Armenia	2 934 152	6.48	19	0	4	4	0	0	61	3	0	100%	100%	Apr-19	100%	2.1	100%	100%
Austria	8 751 820	8.80	77	0	86	77	9	0	41	7	0	100%	100%	Apr-19	80%	0.5	100%	8%
Azerbaijan	9 923 914	7.15	71	0	248	230	17	1	39	1	0	100%	100%	Apr-19	98%	0.4	99%	98%
Belarus ⁷	9 452 113	24.97	236	0	49	48	0	1	66	0	0	100%	100%	Apr-19	99%	0.7	0%	0%
Belgium	11 498 519	10.44	120	0	205	169	20	16	-	0	0	100%	100%	Apr-19	-	-	-	-
Bosnia and Herzegovina	3 503 554	25.40	89	0	327	17	0	310	-	0	0	75%	50%	Mar-19	-	-	-	-
Bulgaria	7 036 848	1.85	13	0	515	474	27	14	-	3	0	100%	100%	Apr-19	97%	-	1%	100%
Croatia	4 164 783	5.52	23	0	1	1	0	0	0	1	0	100%	100%	Apr-19	100%	0.0	100%	0%
Cyprus	1 189 085	11.77	14	0	2	2	0	0	-	1	0	100%	100%	Apr-19	100%	-	100%	0%
Czech Republic	10 625 250	19.20	204	0	461	386	37	38	-	1	0	100%	100%	Apr-19	94%	-	92%	0%
Denmark	5 754 356	1.39	8	0	13	13	0	0	-	4	0	100%	100%	Apr-19	100%	-	100%	0%
Estonia	1 306 788	7.65	10	0	11	11	0	0	35	7	0	100%	100%	Apr-19	100%	2.7	100%	100%
Finland	5 542 517	2.71	15	0	8	8	0	0	-	3	0	100%	100%	Apr-19	100%	-	38%	0%
France	65 233 271	44.66	2913	3	964	571	158	235	-	86	0	100%	100%	Apr-19	90%	-	87%	0%
Georgia	3 907 131	563.84	2203	3	3457	2265	105	1087	339	3	2	100%	25%	Apr-19	71%	8.7	99%	96%
Germany	82 293 457	6.59	542	0	367	283	71	13	-	43	0	100%	75%	Apr-19	96%	-	63%	0%
Greece	11 142 161	196.82	2193	2	22	13	1	8	2	15	0	100%	100%	Apr-19	65%	0.0	86%	0%
Hungary	9 688 847	1.44	14	0	13	13	0	0	0	8	0	100%	100%	Apr-19	100%	0.0	77%	100%
Iceland	337 780	0.00	0	-	7	7	0	0	-	1	0	100%	100%	Apr-19	100%	-	100%	100%
Ireland	4 803 748	16.24	78	0	48	26	6	16	-	6	0	100%	100%	Apr-19	88%	-	75%	75%
Israel	8 452 841	373.37	3156	0	776	447	254	75	-	0	0	100%	50%	Apr-19	86%	-	0%	54%
Italy	59 290 969	45.30	2686	9	861	750	46	65	113	39	1	100%	75%	Apr-19	95%	0.2	87%	0%
Kazakhstan	18 403 860	31.30	576	0	6774	5040	1561	173	-	0	0	100%	100%	Apr-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	180.01	1104	2	1969	27	1131	811	409	0	1	100%	100%	Apr-19	3%	6.7	98%	99%
Latvia	1 929 938	10.88	21	0	0	0	0	0	-	-	-	100%	100%	Apr-19	-	-	-	-
Lithuania	2 876 475	11.47	33	0	547	547	0	0	-	9	0	100%	75%	Apr-19	100%	-	100%	67%
Luxembourg	590 321	6.78	4	0	22	22	0	0	17	2	0	100%	100%	Apr-19	100%	2.9	91%	100%
Malta	432 089	11.57	5	0	16	16	0	0	-	0	0	100%	100%	Apr-19	100%	-	100%	0%
Monaco	38 897	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-19	-	0.0	-	-
Montenegro	629 219	322.62	203	0	0	0	0	0	19	-	-	100%	75%	Apr-19	100%	3.0	-	95%
Netherlands	17 084 459	1.40	24	0	16	16	0	0	-	6	0	100%	100%	Apr-19	69%	-	88%	0%
North Macedonia	2 085 051	30.69	64	0	1314	453	385	476	-	0	4	100%	50%	Apr-19	-	-	-	-
Norway	5 353 363	2.24	12	0	4	4	0	0	-	3	0	100%	75%	Apr-19	100%	-	75%	100%
Poland	38 104 832	9.89	377	0	81	60	8	13	-	15	0	100%	100%	Apr-19	82%	-	99%	100%
Portugal	10 291 196	16.62	171	0	6	6	0	0	31	4	0	100%	100%	Apr-19	100%	0.3	67%	95%
Republic of Moldova	4 041 065	84.14	340	0	20	16	4	0	10	14	0	100%	100%	Apr-19	100%	0.2	95%	97%
Romania	19 580 634	102.40	2005	22	632	505	114	13	-	1	1	100%	100%	Apr-19	98%	-	100%	97%
Russian Federation	143 964 709	15.67	2256	1	1624	1487	133	4	1140	108	0	100%	100%	Apr-19	100%	0.8	100%	50%
San Marino	33 557	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-19	-	0.0	-	-
Serbia	8 762 027	579.32	5076	14	6	5	0	1	-	0	0	100%	100%	Apr-19	-	-	-	-
Slovakia	5 449 816	104.96	572	0	248	206	38	4	13	4	0	100%	100%	Apr-19	100%	0.2	100%	100%
Slovenia	2 081 260	4.32	9	0	6	6	0	0	-	4	0	100%	100%	Apr-19	100%	-	67%	100%
Spain	46 397 452	4.87	226	0	72	67	2	3	44	12	0	100%	100%	Apr-19	100%	0.1	81%	91%
Sweden	9 982 709	3.81	38	0	11	11	0	0	-	7	0	100%	100%	Apr-19	100%	-	91%	0%
Switzerland	8 544 034	5.97	51	0	171	129	39	3	146	23	0	100%	100%	Apr-19	99%	1.7	84%	51%
Tajikistan	9 107 211	0.00	0	-	2	2	0	0	32	0	0	100%	100%	Apr-19	100%	0.4	100%	97%
Turkey ⁷	81 916 871	6.93	568	0	870	620	250	0	1257	6	0	100%	0%	Apr-19	100%	1.5	17%	97%
Turkmenistan	5 851 466	0.00	0	-	0	0	0	0	9	-	-	100%	100%	Apr-19	100%	0.2	-	100%
Ukraine	44 009 214	1209.25	53218	15	42874	4833	0	38041	-	0	17	100%	100%	Apr-19	-	-	-	-
United Kingdom	66 573 504	14.32	953	0	313	313	0	0	-	39	0	100%	100%	Apr-19	100%	-	100%	1%
Uzbekistan	32 364 996	0.71	23	0	213	213	0	0	156	213	0	100%	100%	Apr-19	100%	0.5	100%	100%
Region	922 458 377	91.15	84079	74	66641	20734	4416	41491	4262	718	28	100%	92%		84%	0.9	83%	70%

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—April 2019 (data as of 31 May 2019)

Country	Total Population in 2018 ¹	2018 (as of 31 May 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	283	-	100%	100%	Apr-19	100%	9.6	-	100%
Andorra	76 953	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Armenia	2 934 152	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Austria	8 751 820	0.69	6	1	1	0	0	-	0	100%	100%	Apr-19	100%	-	100%	0%
Azerbaijan	9 923 914	0.00	0	0	0	0	0	1	-	100%	100%	Apr-19	100%	0.0	-	100%
Belarus ⁷	9 452 113	0.21	2	0	0	0	0	66	-	100%	100%	Apr-19	100%	0.7	-	0%
Belgium ⁸	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	1	0	0	1	-	0	75%	50%	Mar-19	-	-	-	-
Bulgaria	7 036 848	0.14	1	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Croatia	4 164 783	0.00	0	0	0	0	0	-	-	100%	75%	Apr-19	-	-	-	-
Cyprus	1 189 085	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Czech Republic	10 625 250	0.19	2	0	0	0	0	-	-	100%	75%	Apr-19	-	-	-	-
Denmark ⁸	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	2	-	100%	100%	Apr-19	100%	0.2	-	100%
Finland	5 542 517	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
France ⁸	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.00	0	5	4	0	1	9	0	100%	50%	Apr-19	86%	0.2	100%	100%
Germany	82 293 457	0.70	58	16	6	2	8	-	1	100%	75%	Apr-19	43%	-	69%	0%
Greece	11 142 161	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Hungary	9 688 847	0.00	0	0	0	0	0	0	-	100%	75%	Apr-19	-	0.0	-	-
Iceland	337 780	0.00	0	0	0	0	0	-	-	75%	75%	Mar-19	-	-	-	-
Ireland	4 803 748	0.00	0	3	0	0	3	-	0	100%	100%	Apr-19	67%	-	67%	67%
Israel	8 452 841	0.24	2	0	0	0	0	-	-	100%	50%	Apr-19	-	-	-	-
Italy	59 290 969	0.35	21	7	3	0	4	9	0	100%	75%	Apr-19	81%	0.0	100%	0%
Kazakhstan	18 403 860	0.05	1	2	2	0	0	-	0	100%	100%	Apr-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	1.30	8	2	2	0	0	409	0	100%	100%	Apr-19	2%	6.7	100%	99%
Latvia	1 929 938	2.07	4	2	1	0	1	-	1	100%	100%	Apr-19	100%	-	100%	100%
Lithuania	2 876 475	0.35	1	0	0	0	0	-	-	100%	75%	Apr-19	-	-	-	-
Luxembourg	590 321	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Malta	432 089	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Monaco	38 897	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Montenegro	629 219	0.00	0	0	0	0	0	0	-	100%	75%	Apr-19	-	0.0	-	-
Netherlands	17 084 459	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
North Macedonia	2 085 051	0.00	0	0	0	0	0	-	-	100%	50%	Apr-19	-	-	-	-
Norway	5 353 363	0.00	0	0	0	0	0	-	-	50%	50%	Feb-19	-	-	-	-
Poland	38 104 832	11.81	450	139	2	2	135	-	0	100%	100%	Apr-19	-	-	-	-
Portugal	10 291 196	0.49	5	1	0	0	1	4	0	100%	100%	Apr-19	60%	0.0	100%	100%
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	1	-	100%	100%	Apr-19	100%	0.0	-	100%
Romania	19 580 634	0.46	9	0	0	0	0	-	-	100%	75%	Apr-19	-	-	-	-
Russian Federation	143 964 709	0.04	6	13	12	1	0	0	2	100%	100%	Apr-19	100%	0.0	100%	31%
San Marino	33 557	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 449 816	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Slovenia	2 081 260	0.00	0	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Spain	46 397 452	0.26	12	3	2	1	0	5	0	100%	100%	Apr-19	100%	0.0	0%	100%
Sweden	9 982 709	0.00	0	0	0	0	0	0	-	100%	100%	Apr-19	-	0.0	-	-
Switzerland	8 544 034	0.23	2	0	0	0	0	8	-	100%	100%	Apr-19	100%	0.1	-	13%
Tajikistan	9 107 211	0.00	0	0	0	0	0	10	-	100%	100%	Apr-19	100%	0.1	-	90%
Turkey ⁷	81 916 871	0.20	16	12	12	0	0	1258	1	100%	0%	Apr-19	90%	1.5	8%	96%
Turkmenistan	5 851 466	0.00	0	0	0	0	0	10	-	100%	100%	Apr-19	100%	0.2	-	100%
Ukraine	44 009 214	5.34	235	80	10	0	70	-	0	100%	100%	Apr-19	-	-	-	-
United Kingdom	66 573 504	0.03	2	0	0	0	0	-	-	100%	100%	Apr-19	-	-	-	-
Uzbekistan	32 364 996	0.00	0	1	1	0	0	0	1	100%	100%	Apr-19	100%	0.0	100%	100%
Region	922 458 377	0.92	846	288	58	6	224	2075	6	91%	82%		74%	0.4	70%	92%

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—April 2019 (data as of 31 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	590	309 (52)	-	-	1	1 (100)	-	-	100%	100%	Apr-19
Andorra											No lab
Armenia	51	4 (8)	-	-	51	0 (0)	-	-	100%	75%	Apr-19
Austria	787	66 (8)	B3,D8	100%	1892	0 (0)	-	-	100%	100%	Apr-19
Azerbaijan	365	296 (81)	-	-	78	8 (10)	-	-	100%	25%	Apr-19
Belarus	227	95 (42)	B3,D8	95%	151	0 (0)	-	-	100%	100%	Apr-19
Belgium	203	104 (51)	B3,D8	87%	23	3 (13)	-	-	50%	0%	Feb-19
Bosnia and Herzegovina	231	156 (68)	B3	100%	206	1 (0)	-	-	100%	100%	Apr-19
Bulgaria	832	559 (67)	-	-	309	0 (0)	-	-	100%	100%	Apr-19
Croatia	0	-	D8	100%	0	-	-	-	25%	0%	Jan-19
Cyprus	87	3 (3)	-	-	155	1 (1)	-	-	100%	25%	Apr-19
Czech Republic	1008	547 (54)	-	-	272	45 (17)	-	-	100%	100%	Apr-19
Denmark	926	45 (5)	B3,D8	50%	14	1 (7)	-	-	100%	100%	Apr-19
Estonia	211	15 (7)	D8	100%	129	0 (0)	-	-	100%	100%	Apr-19
Finland	123	32 (26)	D8	100%	123	1 (1)	-	-	100%	100%	Apr-19
France	665	262 (39)	B3,D8,H1	10%	0	-	-	-	75%	0%	Mar-19
Georgia	1782	1408 (79)	D8	7%	264	3 (1)	-	-	100%	100%	Apr-19
Germany	-	-	B3,D8	38%	-	-	-	-	-	-	No report
Greece	-	-	B3	100%	-	-	-	-	-	-	No report
Hungary	140	35 (25)	B3,D8	92%	52	0 (0)	-	-	100%	100%	Apr-19
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	760	63 (8)	D8	71%	845	211 (25)	-	-	100%	100%	Apr-19
Israel	2156	704 (33)	D8	100%	2184	64 (3)	-	-	100%	75%	Apr-19
Italy	2145	1314 (61)	B3,D8	66%	815	12 (1)	-	-	100%	100%	Apr-19
Kazakhstan	5999	5077 (85)	B3,D8	100%	1007	2 (0)	-	-	100%	100%	Apr-19
Kyrgyzstan	61	40 (66)	-	-	60	1 (2)	-	-	100%	75%	Apr-19
Latvia	104	3 (3)	D8	100%	116	3 (3)	-	-	100%	75%	Apr-19
Lithuania	2205	630 (29)	-	-	162	0 (0)	-	-	100%	100%	Apr-19
Luxembourg	210	2 (1)	D8	100%	0	-	-	-	100%	100%	Apr-19
Malta	67	16 (24)	-	-	211	0 (0)	-	-	100%	75%	Apr-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	53	19 (36)	D8	100%	41	0 (0)	-	-	100%	100%	Apr-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	50%	25%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	D8	0%	-	-	-	-	-	-	No report
Portugal	143	24 (17)	D8	50%	8	0 (0)	-	-	100%	100%	Apr-19
Republic of Moldova	30	15 (50)	-	-	28	0 (0)	-	-	100%	100%	Apr-19
Romania	1088	888 (82)	B3,D8	100%	189	0 (0)	-	-	100%	100%	Apr-19
Russian Federation	4097	2020 (49)	B3,D8	23%	3175	32 (1)	2B	80%	100%	100%	Apr-19
San Marino											No lab
Serbia	40	8 (20)	B3,D8	50%	40	1 (3)	-	-	100%	100%	Apr-19
Slovakia	91	64 (70)	-	-	0	-	-	-	100%	100%	Apr-19
Slovenia	63	8 (13)	B3,D8	100%	52	0 (0)	-	-	100%	100%	Apr-19
Spain	-	-	B3,D8	67%	-	-	-	-	-	-	No report
Sweden	581	24 (4)	B3,D8	100%	535	2 (0)	-	-	100%	100%	Apr-19
Switzerland	335	184 (55)	B3,D8	99%	1	1 (100)	-	-	100%	75%	Apr-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	100%	100%	Apr-19
Turkey	5576	1420 (25)	-	-	4387	52 (1)	-	-	100%	75%	Apr-19
Turkmenistan	20	0 (0)	-	-	20	0 (0)	-	-	100%	100%	Apr-19
Ukraine	824	434 (53)	D8	0%	368	14 (4)	-	-	100%	100%	Apr-19
United Kingdom	1667	311 (19)	B3,D8	62%	297	0 (0)	-	-	100%	100%	Apr-19
Uzbekistan	382	216 (57)	-	-	382	1 (0)	-	-	100%	100%	Apr-19
Region	37359	17609 (47)	-	64%	18680	460 (2)	-	80%	77%	68%	

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.

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