

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 2019—April 2020 (data as of 04 June 2020)

Country	Total Population in 2019 ¹	Incidence Rate May 2019–April 2020 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	
Albania	2 880 917	34.71	100	72	18	2	4	0	0	0	1	2	1	0	0	Apr-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-20
Armenia	2 957 731	1.01	3	0	0	0	0	1	2	0	0	0	0	0	0	Apr-20
Austria	8 955 102	9.49	85	35	6	7	4	2	1	2	3	2	11	12	0	Apr-20
Azerbaijan	10 047 718	1.39	14	9	3	0	0	0	0	0	0	0	2	0	0	Apr-20
Belarus	9 452 411	12.59	119	66	37	15	1	0	0	0	0	0	0	0	0	Apr-20
Belgium	11 539 328	28.34	327	93	61	25	14	10	29	32	15	29	14	2	3	Apr-20
Bosnia and Herzegovina	3 301 000	195.70	646	376	186	58	19	3	1	0	1	2	0	0	-	Mar-20
Bulgaria	7 000 119	130.85	916	263	214	76	35	15	11	18	41	94	80	54	15	Apr-20
Croatia	4 130 304	12.35	51	6	4	10	4	14	12	1	0	0	0	0	0	Apr-20
Cyprus	1 198 575	2.50	3	1	1	0	0	0	0	0	0	0	1	0	0	Apr-20
Czech Republic	10 689 209	7.20	77	34	23	9	3	0	2	3	0	1	2	0	0	Apr-20
Denmark	5 771 876	1.04	6	1	1	0	0	0	0	0	0	4	0	0	0	Apr-20
Estonia	1 325 648	12.07	16	6	7	1	1	0	0	0	1	0	0	0	0	Apr-20
Finland	5 532 156	1.45	8	0	0	0	0	0	0	4	0	2	2	0	0	Apr-20
France	65 129 728	28.62	1864	554	467	311	109	56	61	49	40	86	76	53	2	Apr-20
Georgia	3 996 765	119.10	476	280	136	26	4	1	6	6	4	6	3	2	2	Apr-20
Germany	83 517 045	2.29	191	37	21	19	22	11	5	8	6	25	21	16	0	Apr-20
Greece	10 473 455	2.29	24	5	0	0	6	9	1	1	0	1	1	0	0	Apr-20
Hungary	9 684 679	1.03	10	9	0	1	0	0	0	0	0	0	0	0	0	Apr-20
Iceland	339 031	5.90	2	0	0	1	0	0	0	0	1	0	0	0	0	Apr-20
Ireland	4 882 495	10.24	50	5	3	1	1	8	7	4	3	1	12	4	1	Apr-20
Israel	8 519 377	13.97	119	60	27	14	3	3	0	4	2	4	2	0	0	Apr-20
Italy	60 550 075	13.63	825	236	216	152	77	20	7	10	12	52	34	9	0	Apr-20
Kazakhstan	18 551 427	497.64	9232	1828	954	586	402	283	424	576	978	1192	1003	652	354	Apr-20
Kyrgyzstan	6 415 850	149.94	962	101	52	24	18	22	2	5	54	159	202	271	52	Apr-20
Latvia	1 906 743	1.05	2	0	1	1	0	0	0	0	0	0	0	0	0	Apr-20
Lithuania	2 759 627	38.41	106	76	14	14	0	0	0	0	1	0	1	0	0	Apr-20
Luxembourg	615 729	3.25	2	1	0	0	0	0	1	0	0	0	0	0	0	Apr-20
Malta	440 372	40.87	18	11	3	1	0	0	0	1	0	0	2	0	0	Apr-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	-	-	-	-	Dec-19
Netherlands	17 097 130	3.86	66	13	17	10	17	3	0	4	0	1	1	0	0	Apr-20
North Macedonia	2 083 459	325.90	679	467	166	31	12	2	1	0	0	0	-	-	-	Jan-20
Norway	5 378 857	1.67	9	2	1	0	2	0	0	0	0	3	1	0	0	Apr-20
Poland	37 887 768	12.27	465	249	124	41	9	5	6	2	8	6	6	7	2	Apr-20
Portugal	10 226 187	0.98	10	2	1	0	0	0	0	0	1	4	2	0	0	Apr-20
Republic of Moldova	4 043 263	21.02	85	14	19	11	10	2	2	8	2	2	1	14	0	Apr-20
Romania	19 364 557	71.88	1392	148	123	110	80	112	100	79	112	244	167	92	25	Apr-20
Russian Federation	145 872 256	17.97	2622	728	488	257	167	110	40	56	129	177	259	180	31	Apr-20
San Marino	33 860	29.53	1	0	0	1	0	0	0	0	0	0	0	0	0	Apr-20
Serbia	8 772 235	1.71	15	8	1	0	0	0	1	4	1	0	0	0	0	Apr-20
Slovakia	5 457 013	10.26	56	37	7	5	7	0	0	0	0	0	0	0	0	Apr-20
Slovenia	2 078 654	23.09	48	8	3	1	1	0	0	7	22	5	1	0	0	Apr-20
Spain	46 736 776	4.77	223	99	34	13	12	6	1	3	10	27	17	1	0	Apr-20
Sweden	10 036 379	1.30	13	3	2	2	0	1	0	0	0	2	3	0	0	Apr-20
Switzerland	8 591 365	9.78	84	29	2	0	2	5	0	2	11	14	11	4	4	Apr-20
Tajikistan	9 321 018	18.56	173	4	0	0	0	0	1	0	0	57	44	59	8	Apr-20
Turkey	83 429 615	23.83	1988	606	306	158	76	39	53	66	104	138	217	191	34	Apr-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Ukraine	43 993 638	332.96	14648	7929	3443	1447	737	372	214	112	204	112	39	30	9	Apr-20
United Kingdom	67 530 172	8.50	574	129	115	87	42	29	49	15	26	50	23	9	0	Apr-20
Uzbekistan	32 981 716	159.85	5272	73	122	79	85	130	275	421	155	715	1618	1264	335	Apr-20
Region	930 166 592	48.03	44677	14713	7429	3607	1986	1274	1315	1503	1948	3219	3880	2926	877	

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, Poland (since Feb 2019) and Serbia.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 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 2019—April 2020 (data as of 04 June 2020)

Country	Total Population in 2019 ¹	Incidence Rate May 2019–April 2020 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-20
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Austria	8 955 102	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Azerbaijan	10 047 718	0.40	4	0	0	0	0	0	0	2	0	1	0	1	0	Apr-20
Belarus	9 452 411	0.11	1	0	0	0	0	0	0	0	0	0	0	1	0	Apr-20
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.61	2	1	0	0	1	0	0	0	0	0	0	0	-	Mar-20
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Cyprus	1 198 575	0.83	1	0	0	0	0	0	0	0	0	0	1	0	0	Apr-20
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Denmark ²	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	1.00	4	0	1	1	0	1	1	0	0	0	0	0	0	Apr-20
Germany	83 517 045	0.59	49	5	5	11	6	3	1	4	3	1	3	4	3	Apr-20
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Ireland	4 882 495	0.41	2	0	0	0	0	0	0	0	0	1	0	0	1	Apr-20
Israel	8 519 377	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Italy	60 550 075	0.46	28	4	5	0	2	1	0	1	3	9	3	0	0	Apr-20
Kazakhstan	18 551 427	0.16	3	0	0	0	0	3	0	0	0	0	0	0	0	Apr-20
Kyrgyzstan	6 415 850	0.16	1	0	0	0	0	0	0	1	0	0	0	0	0	Apr-20
Latvia	1 906 743	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	-	-	-	-	Dec-19
Netherlands	17 097 130	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	-	-	-	Jan-20
Norway	5 378 857	0.19	1	0	0	0	0	0	0	0	0	0	1	0	0	Apr-20
Poland	37 887 768	6.02	228	37	21	26	15	9	25	22	7	30	19	12	5	Apr-20
Portugal	10 226 187	0.20	2	0	0	0	0	0	1	0	0	0	1	0	0	Apr-20
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Romania	19 364 557	0.31	6	0	0	1	0	2	0	0	0	1	1	1	0	Apr-20
Russian Federation	145 872 256	0.15	22	13	3	3	0	0	0	0	0	1	2	0	0	Apr-20
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 457 013	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Spain	46 736 776	0.02	1	0	0	0	0	0	0	0	1	0	0	0	0	Apr-20
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Switzerland	8 591 365	0.12	1	0	1	0	0	0	0	0	0	0	0	0	0	Apr-20
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Turkey	83 429 615	0.48	40	9	4	2	5	3	2	3	2	4	2	3	1	Apr-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Ukraine	43 993 638	1.89	83	12	2	6	15	12	7	0	8	6	11	1	3	Apr-20
United Kingdom	67 530 172	0.03	2	0	0	0	1	1	0	0	0	0	0	0	0	Apr-20
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-20
Region	930 166 592	0.52	481	81	42	50	45	35	37	33	24	54	44	23	13	

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 and Poland.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 Revision.

² Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January–April 2020 (data as of 04 June 2020)

Country	Total Population in 2019 ¹	2019 (as of 04 June 2020)			2020													
		Incidence Rate (per 1 million population)	Total measles cases ²	Total measles deaths	Total measles cases ²	Classification			Discarded measles	Imported cases	Measles deaths	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	2 880 917	167.31	482	2	3	3	0	0	9	0	0	100%	100%	Apr-20	100%	0.3	100%	100%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	75%	75%	Mar-20	-	0.0	-	-
Armenia	2 957 731	2.37	7	0	0	0	0	0	18	-	-	100%	100%	Apr-20	100%	0.6	-	100%
Austria	8 955 102	16.86	151	0	25	20	3	2	1	2	0	100%	100%	Apr-20	91%	0.0	100%	8%
Azerbaijan	10 047 718	25.98	261	0	2	2	0	0	7	0	0	100%	75%	Apr-20	100%	0.1	100%	89%
Belarus ⁷	9 452 411	20.21	191	0	0	0	0	0	81	-	-	100%	100%	Apr-20	100%	0.9	-	0%
Belgium	11 539 328	41.68	481	0	48	16	6	26	-	0	0	100%	100%	Apr-20	-	-	-	-
Bosnia and Herzegovina	3 301 000	424.42	1401	0	2	0	0	2	-	0	0	75%	75%	Mar-20	-	-	-	-
Bulgaria	7 000 119	178.14	1247	0	243	225	7	11	-	2	2	100%	100%	Apr-20	97%	-	1%	100%
Croatia	4 130 304	12.59	52	0	0	0	0	0	0	-	-	100%	100%	Apr-20	-	0.0	-	-
Cyprus	1 198 575	5.01	6	0	1	1	0	0	-	1	0	100%	75%	Apr-20	100%	-	100%	100%
Czech Republic	10 689 209	53.98	577	0	3	3	0	0	-	1	0	100%	100%	Apr-20	100%	-	100%	0%
Denmark	5 771 876	2.60	15	0	4	4	0	0	-	0	0	100%	100%	Apr-20	100%	-	100%	0%
Estonia	1 325 648	20.37	27	0	0	0	0	0	25	-	-	100%	100%	Apr-20	100%	1.9	-	100%
Finland	5 532 156	2.17	12	0	4	4	0	0	-	2	0	100%	100%	Apr-20	100%	-	75%	0%
France	65 129 728	40.49	2637	2	217	148	30	39	-	14	0	100%	100%	Apr-20	95%	-	81%	0%
Georgia	3 996 765	980.79	3920	2	13	12	0	1	23	0	0	100%	75%	Apr-20	94%	0.6	92%	89%
Germany	83 517 045	6.07	507	0	62	47	10	5	-	7	0	100%	100%	Apr-20	90%	-	87%	0%
Greece	10 473 455	4.30	45	0	2	2	0	0	0	0	0	100%	100%	Apr-20	100%	0.0	100%	0%
Hungary	9 684 679	2.37	23	1	0	0	0	0	0	-	-	100%	100%	Apr-20	-	0.0	-	-
Iceland	339 031	26.55	9	0	0	0	0	0	-	-	-	100%	100%	Apr-20	-	-	-	-
Ireland	4 882 495	14.95	73	0	18	2	0	16	-	2	0	100%	100%	Apr-20	28%	-	28%	11%
Israel	8 519 377	120.67	1028	0	6	6	0	0	-	0	0	100%	100%	Apr-20	100%	-	0%	83%
Italy	60 550 075	26.75	1620	1	95	75	11	9	19	9	0	100%	100%	Apr-20	93%	0.0	82%	0%
Kazakhstan	18 551 427	718.33	13326	21	3201	1959	996	246	-	0	4	100%	50%	Apr-20	-	-	-	-
Kyrgyzstan ⁷	6 415 850	358.95	2303	0	684	148	313	223	138	5	1	100%	100%	Apr-20	36%	2.2	100%	98%
Latvia	1 906 743	1.05	2	0	0	0	0	0	-	-	-	100%	100%	Apr-20	-	-	-	-
Lithuania	2 759 627	301.49	832	0	1	1	0	0	-	1	0	100%	100%	Apr-20	100%	-	100%	100%
Luxembourg	615 729	38.98	24	0	0	0	0	0	2	-	-	100%	100%	Apr-20	100%	0.3	-	100%
Malta	440 372	72.67	32	0	2	2	0	0	-	0	0	100%	100%	Apr-20	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	75%	Apr-20	-	0.0	-	-
Montenegro	627 987	0.00	0	-	-	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 097 130	4.91	84	0	2	2	0	0	-	1	0	100%	100%	Apr-20	100%	-	50%	0%
North Macedonia	2 083 459	904.27	1884	5	0	0	0	0	-	-	-	25%	25%	Jan-20	-	-	-	-
Norway	5 378 857	3.16	17	0	4	4	0	0	-	2	0	100%	100%	Apr-20	100%	-	75%	100%
Poland	37 887 768	36.08	1367	0	21	12	0	9	-	0	0	100%	100%	Apr-20	-	-	-	-
Portugal	10 226 187	0.98	10	0	6	6	0	0	11	4	0	100%	100%	Apr-20	82%	0.1	67%	100%
Republic of Moldova	4 043 263	22.01	89	0	17	17	0	0	4	1	0	100%	100%	Apr-20	100%	0.1	100%	95%
Romania	19 364 557	89.24	1728	5	528	302	165	61	-	0	0	100%	100%	Apr-20	85%	-	100%	33%
Russian Federation	145 872 256	28.57	4167	0	647	634	12	1	748	27	0	100%	100%	Apr-20	100%	0.5	100%	35%
San Marino	33 860	324.87	11	0	0	0	0	0	0	-	-	100%	50%	Apr-20	-	0.0	-	-
Serbia	8 772 235	2.39	21	0	0	0	0	0	-	-	-	100%	100%	Apr-20	-	-	-	-
Slovakia	5 457 013	57.17	312	0	0	0	0	0	0	-	-	100%	100%	Apr-20	-	0.0	-	-
Slovenia	2 078 654	23.09	48	0	6	6	0	0	-	1	0	100%	100%	Apr-20	100%	-	100%	100%
Spain	46 736 776	6.25	292	0	45	44	1	0	19	1	0	100%	100%	Apr-20	100%	0.0	98%	56%
Sweden	10 036 379	1.99	20	0	5	5	0	0	-	4	0	100%	100%	Apr-20	100%	-	100%	0%
Switzerland	8 591 365	26.65	229	2	33	29	4	0	75	7	0	100%	100%	Apr-20	100%	0.9	79%	32%
Tajikistan	9 321 018	0.75	7	0	168	89	74	5	71	0	0	100%	100%	Apr-20	97%	0.8	1%	100%
Turkey ⁷	83 429 615	34.64	2890	3	580	580	0	0	924	1	1	100%	100%	Apr-20	100%	1.1	20%	97%
Turkmenistan ⁷	5 942 089	0.00	0	-	0	0	0	0	20	-	-	100%	100%	Apr-20	100%	0.3	-	100%
Ukraine	43 993 638	1303.19	57332	20	190	56	7	127	-	1	0	100%	100%	Apr-20	32%	-	97%	99%
United Kingdom	67 530 172	13.06	882	1	82	82	0	0	-	7	0	100%	100%	Apr-20	100%	-	100%	0%
Uzbekistan	32 981 716	53.06	1750	0	3932	339	0	3593	0	236	0	100%	75%	Apr-20	10%	0.0	56%	90%
Region	930 166 592	112.27	104431	65	10902	4887	1639	4376	2195	339	8	96%	92%		55%	0.5	64%	75%

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, Poland (since Feb 2019) and Serbia.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 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 2020 (data as of 04 June 2020)

Country	Total Population in 2019 ¹	2019 (as of 04 June 2020)		2020												
		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	2 880 917	0.00	0	0	0	0	0	9	-	100%	100%	Apr-20	100%	0.3	-	100%
Andorra	77 142	0.00	0	0	0	0	0	0	-	75%	75%	Mar-20	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Apr-20	-	0.0	-	-
Austria	8 955 102	0.00	0	0	0	0	0	-	-	100%	75%	Apr-20	-	-	-	-
Azerbaijan	10 047 718	0.20	2	2	2	0	0	1	0	100%	75%	Apr-20	67%	0.0	0%	100%
Belarus ⁷	9 452 411	0.00	0	1	1	0	0	81	0	100%	100%	Apr-20	100%	0.9	0%	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	0	0	0	-	-	75%	75%	Mar-20	-	-	-	-
Bulgaria	7 000 119	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Cyprus	1 198 575	0.00	0	1	1	0	0	-	0	100%	75%	Apr-20	100%	-	0%	0%
Czech Republic	10 689 209	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	3	-	100%	100%	Apr-20	100%	0.2	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	2.25	9	0	0	0	0	7	-	100%	75%	Apr-20	71%	0.2	-	86%
Germany	83 517 045	0.68	57	11	3	0	8	-	0	100%	100%	Apr-20	27%	-	55%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	100%	Apr-20	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Ireland	4 882 495	0.20	1	2	1	0	1	-	1	100%	100%	Apr-20	50%	-	50%	100%
Israel	8 519 377	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Italy	60 550 075	0.38	23	12	3	0	9	4	0	100%	100%	Apr-20	81%	0.0	17%	0%
Kazakhstan	18 551 427	0.27	5	0	0	0	0	-	-	100%	50%	Apr-20	-	-	-	-
Kyrgyzstan ⁷	6 415 850	0.62	4	0	0	0	0	138	-	100%	100%	Apr-20	23%	2.2	-	97%
Latvia	1 906 743	1.05	2	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Lithuania	2 759 627	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	0	-	100%	100%	Apr-20	-	0.0	-	-
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	75%	Apr-20	-	0.0	-	-
Montenegro	627 987	0.00	0	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 097 130	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	25%	25%	Jan-20	-	-	-	-
Norway	5 378 857	0.00	0	1	1	0	0	-	1	100%	100%	Apr-20	100%	-	100%	100%
Poland	37 887 768	7.71	292	66	0	0	66	-	0	100%	100%	Apr-20	-	-	-	-
Portugal	10 226 187	0.20	2	1	0	0	1	1	0	100%	100%	Apr-20	50%	0.0	100%	100%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Apr-20	100%	0.0	-	100%
Romania	19 364 557	0.21	4	3	1	0	2	-	0	100%	100%	Apr-20	33%	-	100%	33%
Russian Federation	145 872 256	0.23	34	3	3	0	0	0	0	100%	100%	Apr-20	100%	0.0	100%	100%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	25%	Apr-20	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Apr-20	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Spain	46 736 776	0.09	4	0	0	0	0	1	-	100%	100%	Apr-20	100%	0.0	-	0%
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	75%	Apr-20	-	0.0	-	-
Switzerland	8 591 365	0.12	1	0	0	0	0	6	-	100%	100%	Apr-20	100%	0.1	-	0%
Tajikistan	9 321 018	0.00	0	0	0	0	0	3	-	100%	100%	Apr-20	100%	0.0	-	100%
Turkey ⁷	83 429 615	0.54	45	10	10	0	0	934	0	100%	100%	Apr-20	100%	1.1	60%	100%
Turkmenistan ⁷	5 942 089	0.00	0	0	0	0	0	20	-	100%	100%	Apr-20	100%	0.3	-	100%
Ukraine	43 993 638	3.23	142	21	3	0	18	-	0	100%	100%	Apr-20	14%	-	90%	100%
United Kingdom	67 530 172	0.04	3	0	0	0	0	-	-	100%	100%	Apr-20	-	-	-	-
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	-	100%	75%	Apr-20	-	0.0	-	-
Region	930 166 592	0.68	633	134	29	0	105	1209	2	88%	83%		89%	0.3	62%	90%

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 and Poland.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 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 2020 (data as of 04 June 2020)

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	14	3 (21)	-	-	0	-	-	-	100%	75%	Apr-20
Andorra											No lab
Armenia	18	0 (0)	-	-	18	0 (0)	-	-	100%	100%	Apr-20
Austria	466	17 (4)	B3,D8	100%	1383	0 (0)	-	-	100%	100%	Apr-20
Azerbaijan	9	2 (22)	-	-	2	1 (50)	-	-	50%	50%	Feb-20
Belarus	86	0 (0)	-	-	88	2 (2)	-	-	100%	50%	Apr-20
Belgium	-	-	D8	30%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	2	0 (0)	-	-	0	-	-	-	25%	25%	Jan-20
Bulgaria	334	260 (78)	-	-	137	0 (0)	-	-	100%	50%	Apr-20
Croatia	10	0 (0)	-	-	0	-	-	-	75%	75%	Apr-20
Cyprus	-	-	-	-	-	-	-	-	-	-	No report
Czech Republic	25	7 (28)	-	-	14	1 (7)	-	-	100%	100%	Apr-20
Denmark	143	12 (8)	D8	100%	5	0 (0)	-	-	100%	100%	Apr-20
Estonia	68	0 (0)	-	-	52	0 (0)	-	-	75%	75%	Apr-20
Finland	35	9 (26)	B3,D8	40%	33	0 (0)	-	-	100%	100%	Apr-20
France	-	-	-	-	-	-	-	-	-	-	No Report
Georgia	43	10 (23)	-	-	28	1 (4)	-	-	100%	75%	Apr-20
Germany	182	62 (34)	B3,D8	100%	64	4 (6)	-	-	100%	100%	Apr-20
Greece	0	-	-	-	0	-	-	-	25%	25%	Jan-20
Hungary	33	0 (0)	-	-	35	0 (0)	-	-	100%	100%	Apr-20
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	378	9 (2)	D8	0%	879	2 (0)	-	-	100%	50%	Apr-20
Israel	224	19 (8)	-	-	390	87 (22)	-	-	100%	75%	Apr-20
Italy	326	137 (42)	B3,D8	43%	194	14 (7)	-	-	100%	100%	Apr-20
Kazakhstan	2357	1954 (83)	-	-	77	0 (0)	-	-	100%	75%	Apr-20
Kyrgyzstan	71	44 (62)	B3,D8	0%	70	0 (0)	-	-	100%	100%	Apr-20
Latvia	44	5 (11)	-	-	68	0 (0)	-	-	50%	50%	Feb-20
Lithuania	103	7 (7)	-	-	93	0 (0)	-	-	100%	100%	Apr-20
Luxembourg	3	0 (0)	-	-	0	-	-	-	100%	100%	Apr-20
Malta	10	3 (30)	-	-	106	0 (0)	-	-	50%	25%	Feb-20
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	-	-	D8	100%	-	-	-	-	-	-	No report
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	-	-	D8	100%	0	-	-	-	50%	50%	Feb-20
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	57	17 (30)	D8	0%	3	0 (0)	-	-	100%	100%	Apr-20
Republic of Moldova	23	17 (74)	-	-	23	0 (0)	-	-	75%	75%	Apr-20
Romania	315	230 (73)	-	-	81	0 (0)	-	-	50%	50%	Mar-20
Russian Federation	2371	1253 (53)	B3,D8	16%	1944	14 (1)	-	-	100%	100%	Apr-20
San Marino											No lab
Serbia	7	0 (0)	-	-	7	1 (14)	-	-	75%	75%	Mar-20
Slovakia	7	0 (0)	-	-	6	0 (0)	-	-	100%	75%	Apr-20
Slovenia	221	14 (6)	D8	100%	73	0 (0)	-	-	100%	75%	Apr-20
Spain	-	-	B3	33%	-	-	-	-	-	-	No report
Sweden	323	16 (5)	B3,D8	80%	363	3 (1)	-	-	50%	50%	Feb-20
Switzerland	116	51 (44)	D8	100%	3	3 (100)	-	-	100%	100%	Apr-20
Tajikistan	72	34 (47)	D8	0%	71	0 (0)	-	-	50%	50%	Feb-20
Turkey	3149	864 (27)	-	-	2546	54 (2)	-	-	100%	75%	Apr-20
Turkmenistan	20	0 (0)	-	-	20	0 (0)	-	-	100%	100%	Apr-20
Ukraine	84	22 (26)	-	-	84	4 (5)	-	-	100%	75%	Apr-20
United Kingdom	1236	158 (13)	B3,D8	98%	524	4 (1)	-	-	100%	50%	Apr-20
Uzbekistan	153	136 (89)	-	-	153	0 (0)	-	-	50%	50%	Feb-20
Region	13138	5372 (41)	-	54%	9637	195 (2)	-	-	65%	57%	

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.

