

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 March 2019—February 2020 (data as of 07 April 2020)

Country	Total Population in 2019 ¹	Incidence Rate March 2019–February 2020 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	
Albania	2 880 917	120.79	348	138	110	72	18	2	4	0	0	0	1	2	1	Feb-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Armenia	2 957 731	1.69	5	2	0	0	0	0	0	1	2	0	0	0	0	Feb-20
Austria	8 955 102	11.39	102	1	32	35	6	7	4	2	1	2	3	2	7	Feb-20
Azerbaijan	10 047 718	5.27	53	19	20	9	3	0	0	0	0	0	0	0	2	Feb-20
Belarus	9 452 411	16.61	157	18	20	66	37	15	1	0	0	0	0	0	0	Feb-20
Belgium	11 539 328	36.48	421	66	33	93	61	25	14	10	29	32	15	29	14	Feb-20
Bosnia and Herzegovina	3 301 000	414.12	1367	291	430	376	186	58	19	3	1	0	1	2	0	Feb-20
Bulgaria	7 000 119	190.14	1331	229	278	263	214	76	35	15	11	18	41	94	57	Feb-20
Croatia	4 130 304	12.35	51	0	0	6	4	10	4	14	12	1	0	0	0	Feb-20
Cyprus	1 198 575	4.17	5	0	3	1	1	0	0	0	0	0	0	0	0	Feb-20
Czech Republic	10 689 209	32.28	345	181	87	34	23	9	3	0	2	3	0	1	2	Feb-20
Denmark	5 771 876	2.43	14	6	2	1	1	0	0	0	0	0	0	4	0	Feb-20
Estonia	1 325 648	13.58	18	2	0	6	7	1	1	0	0	0	1	0	0	Feb-20
Finland	5 532 156	1.81	10	0	2	0	0	0	0	0	0	4	0	2	2	Feb-20
France	65 129 728	37.88	2467	319	340	554	467	311	109	56	61	49	40	86	75	Feb-20
Georgia	3 996 765	451.37	1804	792	540	280	136	26	4	1	6	6	4	6	3	Feb-20
Germany	83 517 045	4.27	357	125	64	37	21	19	22	11	5	8	6	24	15	Feb-20
Greece	10 473 455	3.82	40	5	12	5	0	0	6	9	1	1	0	1	0	Feb-20
Hungary	9 684 679	1.65	16	4	2	9	0	1	0	0	0	0	0	0	0	Feb-20
Iceland	339 031	17.70	6	4	0	0	0	1	0	0	0	0	1	0	0	Feb-20
Ireland	4 882 495	13.31	65	16	4	5	3	1	1	8	7	4	3	1	12	Feb-20
Israel	8 519 377	66.91	570	249	203	60	27	14	3	3	0	4	2	4	1	Feb-20
Italy	60 550 075	22.35	1353	228	309	236	216	152	77	20	7	10	12	52	34	Feb-20
Kazakhstan	18 551 427	652.62	12107	1918	1963	1828	954	586	402	283	424	576	978	1192	1003	Feb-20
Kyrgyzstan	6 415 850	238.32	1529	563	374	101	52	24	18	22	2	5	54	158	156	Feb-20
Latvia	1 906 743	1.05	2	0	0	0	1	1	0	0	0	0	0	0	0	Feb-20
Lithuania	2 759 627	246.05	679	396	178	76	14	14	0	0	0	0	1	0	0	Feb-20
Luxembourg	615 729	38.98	24	18	4	1	0	0	0	0	1	0	0	0	0	Feb-20
Malta	440 372	77.21	34	3	13	11	3	1	0	0	0	1	0	0	2	Feb-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	-	-	Dec-19
Netherlands	17 097 130	4.50	77	10	2	13	17	10	17	3	0	4	0	0	1	Feb-20
North Macedonia	2 083 459	702.20	1463	356	428	467	166	31	12	2	1	0	0	0	-	Jan-20
Norway	5 378 857	3.72	20	7	4	2	1	0	2	0	0	0	0	3	1	Feb-20
Poland	37 887 768	24.94	945	200	289	249	124	41	9	5	6	2	8	5	7	Feb-20
Portugal	10 226 187	1.27	13	2	0	2	1	0	0	0	0	0	1	5	2	Feb-20
Republic of Moldova	4 043 263	21.27	86	13	3	14	19	11	10	2	2	8	2	2	0	Feb-20
Romania	19 364 557	80.20	1553	188	110	148	123	110	80	112	100	79	114	244	145	Feb-20
Russian Federation	145 872 256	22.05	3217	615	547	728	488	257	167	110	40	56	123	48	38	Feb-20
San Marino	33 860	324.87	11	1	9	0	0	1	0	0	0	0	0	0	0	Feb-20
Serbia	8 772 235	2.17	19	1	3	8	1	0	0	0	1	4	1	0	0	Feb-20
Slovakia	5 457 013	41.60	227	84	87	37	7	5	7	0	0	0	0	0	0	Feb-20
Slovenia	2 078 654	25.98	54	0	6	8	3	1	1	0	0	7	22	5	1	Feb-20
Spain	46 736 776	6.20	290	24	68	99	34	13	12	6	1	3	10	10	10	Feb-20
Sweden	10 036 379	2.39	24	4	7	3	2	2	0	1	0	0	0	2	3	Feb-20
Switzerland	8 591 365	22.70	195	65	54	29	2	0	2	5	0	2	11	15	10	Feb-20
Tajikistan	9 321 018	11.48	107	0	1	4	0	0	0	0	1	0	0	57	44	Feb-20
Turkey	83 429 615	34.69	2894	544	591	606	306	158	76	39	53	66	104	138	213	Feb-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Ukraine	43 993 638	731.01	32160	8869	8686	7929	3443	1447	737	372	214	112	204	112	35	Feb-20
United Kingdom	67 530 172	11.37	768	110	119	129	115	87	42	29	49	15	26	39	8	Feb-20
Uzbekistan	32 981 716	111.85	3689	143	175	73	122	80	85	130	275	421	150	663	1372	Feb-20
Region	930 166 592	78.58	73092	16829	16212	14713	7429	3608	1986	1274	1315	1503	1939	3008	3276	

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 March 2019—February 2020 (data as of 07 April 2020)

Country	Total Population in 2019 ¹	Incidence Rate March 2019–February 2020 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report	
				Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20		
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Austria	8 955 102	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	-	Jan-20
Azerbaijan	10 047 718	0.30	3	0	0	0	0	0	0	0	0	2	0	1	0	0	Feb-20
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	1	0	1	0	0	1	0	0	0	0	0	0	0	Feb-20
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-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	0	Feb-20
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	1.25	5	0	1	0	1	1	0	1	1	0	0	0	0	0	Feb-20
Germany	83 517 045	0.63	53	7	4	5	5	11	6	3	1	4	3	1	3	3	Feb-20
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Ireland	4 882 495	0.41	2	0	1	0	0	0	0	0	0	0	0	1	0	0	Feb-20
Israel	8 519 377	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Italy	60 550 075	0.50	30	2	0	4	5	0	2	1	0	1	3	9	3	3	Feb-20
Kazakhstan	18 551 427	0.16	3	0	0	0	0	0	0	3	0	0	0	0	0	0	Feb-20
Kyrgyzstan	6 415 850	0.62	4	2	1	0	0	0	0	0	0	1	0	0	0	0	Feb-20
Latvia	1 906 743	0.52	1	0	1	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Montenegro	627 987	0.00	0	0	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	0	Feb-20
North Macedonia	2 083 459	0.00	0	0	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	0	0	1	0	Feb-20
Poland	37 887 768	7.31	277	36	29	37	21	26	15	9	25	22	7	32	18	18	Feb-20
Portugal	10 226 187	0.29	3	0	0	0	0	0	0	0	1	1	0	0	1	1	Feb-20
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Romania	19 364 557	0.21	4	0	1	0	0	1	0	2	0	0	0	0	0	0	Feb-20
Russian Federation	145 872 256	0.17	25	2	3	13	3	3	0	0	0	0	0	1	0	0	Feb-20
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-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	0	Feb-20
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Spain	46 736 776	0.02	1	0	0	0	0	0	0	0	0	0	1	0	0	0	Feb-20
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Switzerland	8 591 365	0.12	1	0	0	0	1	0	0	0	0	0	0	0	0	0	Feb-20
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Turkey	83 429 615	0.58	48	3	9	9	4	2	5	3	2	3	2	4	2	2	Feb-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Ukraine	43 993 638	2.48	109	14	17	12	2	6	15	12	7	0	8	6	10	10	Feb-20
United Kingdom	67 530 172	0.03	2	0	0	0	0	0	1	1	0	0	0	0	0	0	Feb-20
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Feb-20
Region	930 166 592	0.62	575	67	67	81	42	50	45	35	37	34	24	55	38		

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–February 2020 (data as of 07 April 2020)

Country	Total Population in 2019 ¹	2019 (as of 07 April 2020)			2020													
		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	2 880 917	167.31	482	2	3	3	0	0	9	0	0	100%	100%	Feb-20	100%	0.3	100%	100%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Feb-20	-	0.0	-	-
Armenia	2 957 731	2.37	7	0	0	0	0	0	17	-	-	100%	100%	Feb-20	100%	0.6	-	100%
Austria	8 955 102	16.86	151	0	9	8	0	1	1	2	0	100%	100%	Feb-20	90%	0.0	100%	10%
Azerbaijan	10 047 718	25.98	261	0	2	1	0	1	5	0	0	100%	100%	Feb-20	100%	0.0	50%	86%
Belarus ⁷	9 452 411	20.21	191	0	0	0	0	0	43	-	-	100%	100%	Feb-20	100%	0.5	-	0%
Belgium	11 539 328	41.68	481	0	43	15	5	23	-	0	0	100%	100%	Feb-20	-	-	-	-
Bosnia and Herzegovina	3 301 000	424.42	1401	0	2	0	0	2	-	0	0	100%	100%	Feb-20	-	-	-	-
Bulgaria	7 000 119	178.14	1247	0	151	140	4	7	-	2	2	100%	100%	Feb-20	98%	-	1%	100%
Croatia	4 130 304	12.59	52	0	0	0	0	0	0	-	-	100%	100%	Feb-20	-	0.0	-	-
Cyprus	1 198 575	5.01	6	0	0	0	0	0	-	-	-	100%	50%	Feb-20	-	-	-	-
Czech Republic	10 689 209	53.98	577	0	3	3	0	0	-	1	0	100%	100%	Feb-20	100%	-	100%	0%
Denmark	5 771 876	2.60	15	0	4	4	0	0	-	0	0	100%	100%	Feb-20	100%	-	100%	0%
Estonia	1 325 648	20.37	27	0	0	0	0	0	22	-	-	100%	100%	Feb-20	100%	1.7	-	100%
Finland	5 532 156	2.17	12	0	4	4	0	0	-	2	0	100%	100%	Feb-20	100%	-	75%	0%
France	65 129 728	40.49	2637	2	161	113	21	27	-	13	0	100%	100%	Feb-20	95%	-	79%	0%
Georgia	3 996 765	980.79	3920	2	9	9	0	0	14	0	0	100%	50%	Feb-20	91%	0.4	89%	96%
Germany	83 517 045	6.07	507	0	39	34	1	4	-	6	0	100%	100%	Feb-20	89%	-	85%	0%
Greece	10 473 455	4.30	45	0	1	1	0	0	0	0	0	100%	100%	Feb-20	100%	0.0	100%	0%
Hungary	9 684 679	2.37	23	1	0	0	0	0	0	-	-	100%	100%	Feb-20	-	0.0	-	-
Iceland	339 031	26.55	9	0	0	0	0	0	-	-	-	100%	100%	Feb-20	-	-	-	-
Ireland	4 882 495	14.95	73	0	13	1	0	12	-	1	0	100%	100%	Feb-20	23%	-	23%	8%
Israel	8 519 377	120.67	1028	0	5	5	0	0	-	0	0	100%	100%	Feb-20	100%	-	0%	80%
Italy	60 550 075	26.75	1620	1	86	68	9	9	19	8	0	100%	100%	Feb-20	92%	0.0	79%	0%
Kazakhstan	18 551 427	718.33	13326	21	2195	1288	814	93	-	0	3	100%	100%	Feb-20	-	-	-	-
Kyrgyzstan ⁷	6 415 850	358.95	2303	0	314	41	168	105	103	18	1	100%	100%	Feb-20	23%	1.6	100%	98%
Latvia	1 906 743	1.05	2	0	0	0	0	0	-	-	-	100%	100%	Feb-20	-	-	-	-
Lithuania	2 759 627	301.49	832	0	0	0	0	0	-	-	-	100%	100%	Feb-20	-	-	-	-
Luxembourg	615 729	38.98	24	0	0	0	0	0	2	-	-	100%	100%	Feb-20	100%	0.3	-	100%
Malta	440 372	72.67	32	0	2	2	0	0	-	0	0	100%	100%	Feb-20	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Feb-20	-	0.0	-	-
Montenegro	627 987	0.00	0	-	-	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 097 130	4.91	84	0	1	1	0	0	-	0	0	100%	100%	Feb-20	100%	-	100%	0%
North Macedonia	2 083 459	904.27	1884	5	0	0	0	0	-	-	-	50%	50%	Jan-20	-	-	-	-
Norway	5 378 857	3.16	17	0	4	4	0	0	-	2	0	100%	100%	Feb-20	100%	-	75%	100%
Poland	37 887 768	36.08	1367	0	12	6	0	6	-	0	0	100%	100%	Feb-20	-	-	-	-
Portugal	10 226 187	0.98	10	0	7	6	0	1	9	5	0	100%	100%	Feb-20	88%	0.1	86%	94%
Republic of Moldova	4 043 263	22.01	89	0	2	2	0	0	3	0	0	100%	100%	Feb-20	100%	0.1	100%	100%
Romania	19 364 557	89.34	1730	5	389	231	128	30	-	0	0	100%	100%	Feb-20	90%	-	100%	39%
Russian Federation	145 872 256	28.52	4161	0	86	80	6	0	502	16	0	100%	100%	Feb-20	100%	0.3	100%	13%
San Marino	33 860	324.87	11	0	0	0	0	0	0	-	-	100%	50%	Feb-20	-	0.0	-	-
Serbia	8 772 235	2.39	21	0	0	0	0	0	-	-	-	100%	100%	Feb-20	-	-	-	-
Slovakia	5 457 013	57.17	312	0	0	0	0	0	0	-	-	100%	100%	Feb-20	-	0.0	-	-
Slovenia	2 078 654	23.09	48	0	6	6	0	0	-	1	0	100%	100%	Feb-20	100%	-	100%	100%
Spain	46 736 776	6.25	292	0	20	18	1	1	15	1	0	100%	100%	Feb-20	100%	0.0	60%	89%
Sweden	10 036 379	1.99	20	0	5	5	0	0	-	4	0	100%	100%	Feb-20	100%	-	100%	0%
Switzerland	8 591 365	26.65	229	2	25	22	3	0	54	7	0	100%	100%	Feb-20	100%	0.6	92%	35%
Tajikistan	9 321 018	0.75	7	0	101	64	37	0	64	0	0	100%	100%	Feb-20	100%	0.7	2%	100%
Turkey ⁷	83 429 615	34.64	2890	3	351	351	0	0	682	1	0	100%	100%	Feb-20	100%	0.8	26%	98%
Turkmenistan ⁷	5 942 089	0.00	0	-	0	0	0	0	12	-	-	100%	100%	Feb-20	100%	0.2	-	100%
Ukraine	43 993 638	1303.19	57332	20	147	44	7	96	-	0	0	100%	100%	Feb-20	32%	-	96%	99%
United Kingdom	67 530 172	13.06	882	1	47	47	0	0	-	4	0	100%	100%	Feb-20	100%	-	100%	0%
Uzbekistan	32 981 716	52.94	1746	0	2035	40	0	1995	0	80	0	100%	50%	Feb-20	4%	0.0	55%	84%
Region	930 166 592	112.26	104423	65	6284	2667	1204	2413	1576	174	6	97%	93%		56%	0.3	62%	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, 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–February 2020 (data as of 07 April 2020)

Country	Total Population in 2019 ¹	2019 (as of 07 April 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%	Feb-20	100%	0.3	-	100%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Austria	8 955 102	0.00	0	0	0	0	0	-	-	50%	50%	Jan-20	-	-	-	-
Azerbaijan	10 047 718	0.20	2	1	1	0	0	0	0	100%	100%	Feb-20	100%	0.0	0%	100%
Belarus ⁷	9 452 411	0.00	0	0	0	0	0	43	-	100%	100%	Feb-20	100%	0.5	-	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Bulgaria	7 000 119	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	50%	Feb-20	-	-	-	-
Czech Republic	10 689 209	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	2	-	100%	100%	Feb-20	100%	0.2	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	2.25	9	0	0	0	0	4	-	100%	50%	Feb-20	100%	0.1	-	100%
Germany	83 517 045	0.68	57	4	1	0	3	-	0	100%	100%	Feb-20	25%	-	75%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Ireland	4 882 495	0.20	1	1	1	0	0	-	1	100%	100%	Feb-20	100%	-	100%	100%
Israel	8 519 377	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Italy	60 550 075	0.38	23	12	3	0	9	3	0	100%	100%	Feb-20	73%	0.0	17%	0%
Kazakhstan	18 551 427	0.27	5	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Kyrgyzstan ⁷	6 415 850	0.62	4	0	0	0	0	103	-	100%	100%	Feb-20	16%	1.6	-	98%
Latvia	1 906 743	1.05	2	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Lithuania	2 759 627	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Feb-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%	Feb-20	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	50%	50%	Jan-20	-	-	-	-
Norway	5 378 857	0.00	0	1	1	0	0	-	1	100%	100%	Feb-20	100%	-	100%	100%
Poland	37 887 768	7.71	292	50	0	0	50	-	0	100%	100%	Feb-20	-	-	-	-
Portugal	10 226 187	0.29	3	1	0	0	1	1	0	100%	100%	Feb-20	50%	0.0	0%	100%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Feb-20	100%	0.0	-	100%
Romania	19 364 557	0.21	4	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Russian Federation	145 872 256	0.23	34	1	1	0	0	0	0	100%	100%	Feb-20	100%	0.0	100%	100%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	50%	Feb-20	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Spain	46 736 776	0.09	4	0	0	0	0	0	-	100%	100%	Feb-20	-	0.0	-	-
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	50%	Feb-20	-	0.0	-	-
Switzerland	8 591 365	0.12	1	0	0	0	0	1	-	100%	100%	Feb-20	100%	0.0	-	0%
Tajikistan	9 321 018	0.00	0	0	0	0	0	3	-	100%	100%	Feb-20	100%	0.0	-	100%
Turkey ⁷	83 429 615	0.54	45	6	6	0	0	682	0	100%	100%	Feb-20	100%	0.8	67%	99%
Turkmenistan ⁷	5 942 089	0.00	0	0	0	0	0	12	-	100%	100%	Feb-20	100%	0.2	-	100%
Ukraine	43 993 638	3.23	142	16	2	0	14	-	0	100%	100%	Feb-20	13%	-	100%	100%
United Kingdom	67 530 172	0.04	3	0	0	0	0	-	-	100%	100%	Feb-20	-	-	-	-
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	-	100%	50%	Feb-20	-	0.0	-	-
Region	930 166 592	0.68	634	93	16	0	77	864	2	89%	84%		88%	0.2	65%	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 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–February 2020 (data as of 07 April 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%	100%	Feb-20
Andorra											No lab
Armenia	16	0 (0)	-	-	16	0 (0)	-	-	100%	100%	Feb-20
Austria	264	6 (2)	B3,D8	100%	785	0 (0)	-	-	100%	100%	Feb-20
Azerbaijan	9	2 (22)	-	-	2	1 (50)	-	-	100%	100%	Feb-20
Belarus	47	0 (0)	-	-	47	0 (0)	-	-	100%	100%	Feb-20
Belgium	-	-	D8	25%	-	-	-	-	-	-	No Report
Bosnia and Herzegovina	2	0 (0)	-	-	-	-	-	-	50%	50%	Jan-20
Bulgaria	212	166 (78)	-	-	36	0 (0)	-	-	100%	50%	Feb-20
Croatia	10	0 (0)	-	-	0	-	-	-	100%	100%	Feb-20
Cyprus	-	-	-	-	-	-	-	-	-	-	No report
Czech Republic	14	2 (14)	-	-	5	0 (0)	-	-	100%	100%	Feb-20
Denmark	99	12 (12)	D8	100%	5	0 (0)	-	-	100%	100%	Feb-20
Estonia	62	0 (0)	-	-	50	0 (0)	-	-	100%	100%	Feb-20
Finland	32	9 (28)	B3	100%	30	0 (0)	-	-	100%	100%	Feb-20
France	-	-	-	-	-	-	-	-	-	-	No Report
Georgia	28	9 (32)	-	-	14	0 (0)	-	-	100%	100%	Feb-20
Germany	141	47 (33)	B3,D8	100%	49	4 (8)	-	-	100%	100%	Feb-20
Greece	0	-	-	-	0	-	-	-	50%	50%	Jan-20
Hungary	21	0 (0)	-	-	23	0 (0)	-	-	100%	100%	Feb-20
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	136	1 (1)	-	-	259	0 (0)	-	-	50%	50%	Jan-20
Israel	182	14 (8)	-	-	297	58 (20)	-	-	100%	100%	Feb-20
Italy	270	129 (48)	B3,D8	60%	155	8 (5)	-	-	100%	100%	Feb-20
Kazakhstan	1543	1286 (83)	-	-	25	0 (0)	-	-	100%	100%	Feb-20
Kyrgyzstan	50	32 (64)	-	-	49	0 (0)	-	-	100%	100%	Feb-20
Latvia	44	5 (11)	-	-	68	0 (0)	-	-	100%	100%	Feb-20
Lithuania	73	5 (7)	-	-	66	0 (0)	-	-	100%	100%	Feb-20
Luxembourg	2	0 (0)	-	-	0	-	-	-	100%	100%	Feb-20
Malta	10	3 (30)	-	-	106	0 (0)	-	-	100%	50%	Feb-20
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	-	-	D8	100%	-	-	-	-	-	-	No report
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	0	-	D8	100%	0	-	-	-	100%	100%	Feb-20
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	57	17 (30)	-	-	3	0 (0)	-	-	100%	100%	Feb-20
Republic of Moldova	7	2 (29)	-	-	7	0 (0)	-	-	100%	100%	Feb-20
Romania	217	164 (76)	-	-	48	0 (0)	-	-	50%	50%	Jan-20
Russian Federation	997	356 (36)	-	-	964	11 (1)	-	-	100%	100%	Feb-20
San Marino											No lab
Serbia	5	0 (0)	-	-	5	1 (20)	-	-	-	-	No Report
Slovakia	4	0 (0)	-	-	5	0 (0)	-	-	50%	50%	Jan-20
Slovenia	202	12 (6)	D8	100%	67	0 (0)	-	-	100%	100%	Feb-20
Spain	-	-	B3	100%	-	-	-	-	-	-	No report
Sweden	323	16 (5)	B3,D8	80%	363	3 (1)	-	-	100%	100%	Feb-20
Switzerland	87	35 (40)	D8	100%	0	-	-	-	100%	100%	Feb-20
Tajikistan	72	34 (47)	-	-	71	0 (0)	-	-	100%	100%	Feb-20
Turkey	1018	224 (22)	-	-	692	20 (3)	-	-	50%	50%	Jan-20
Turkmenistan	12	0 (0)	-	-	12	0 (0)	-	-	100%	100%	Feb-20
Ukraine	59	17 (29)	-	-	59	4 (7)	-	-	100%	50%	Feb-20
United Kingdom	522	49 (9)	B3,D8	100%	201	0 (0)	-	-	100%	100%	Feb-20
Uzbekistan	153	136 (89)	-	-	153	0 (0)	-	-	100%	100%	Feb-20
Region	7016	2793 (40)	-	86%	4737	110 (2)	-	-	70%	67%	

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.

