

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 January—December 2019 (data as of 07 February 2020)

Country	Total Population in 2019 ¹	Incidence Rate January–December 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	
Albania	2 880 917	167.31	482	73	64	138	110	72	18	2	4	0	0	0	1	Dec-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Armenia	2 957 731	2.37	7	0	2	2	0	0	0	0	0	1	2	0	0	Dec-19
Austria	8 955 102	16.86	151	25	33	1	32	35	6	7	4	2	1	2	3	Dec-19
Azerbaijan	10 047 718	25.98	261	131	79	19	20	9	3	0	0	0	0	0	0	Dec-19
Belarus	9 452 411	20.21	191	14	20	18	20	66	37	15	1	0	0	0	0	Dec-19
Belgium	11 539 328	42.03	485	18	85	66	33	93	61	25	14	10	30	34	16	Dec-19
Bosnia and Herzegovina	3 301 000	424.42	1401	2	34	291	430	376	186	58	19	3	1	0	1	Dec-19
Bulgaria	7 000 119	176.43	1235	2	65	229	278	263	214	76	35	15	11	18	29	Dec-19
Croatia	4 130 304	12.35	51	0	1	0	0	6	4	10	4	14	11	1	-	Nov-19
Cyprus	1 198 575	5.01	6	1	0	0	3	1	1	0	0	0	0	0	0	Dec-19
Czech Republic	10 689 209	53.98	577	68	167	181	87	34	23	9	3	0	2	3	0	Dec-19
Denmark	5 771 876	2.60	15	2	3	6	2	1	1	0	0	0	0	0	0	Dec-19
Estonia	1 325 648	20.37	27	4	5	2	0	6	7	1	1	0	0	0	1	Dec-19
Finland	5 532 156	2.17	12	3	3	0	2	0	0	0	0	0	0	4	0	Dec-19
France	65 129 728	40.49	2637	122	209	319	340	554	467	311	109	56	61	49	40	Dec-19
Georgia	3 996 765	980.79	3920	1096	1029	792	540	280	136	26	4	1	6	6	4	Dec-19
Germany	83 517 045	6.05	505	109	80	125	64	37	21	19	22	11	5	8	4	Dec-19
Greece	10 473 455	4.30	45	1	5	5	12	5	0	0	6	9	1	1	0	Dec-19
Hungary	9 684 679	2.37	23	2	5	4	2	9	0	1	0	0	0	0	0	Dec-19
Iceland	339 031	26.55	9	0	3	4	0	0	0	1	0	0	0	0	1	Dec-19
Ireland	4 882 495	14.95	73	5	16	16	4	5	3	1	1	8	7	4	3	Dec-19
Israel	8 519 377	120.67	1028	296	167	249	203	60	27	14	3	3	0	4	2	Dec-19
Italy	60 550 075	26.85	1626	180	173	229	311	236	219	151	78	19	7	9	14	Dec-19
Kazakhstan	18 551 427	718.33	13326	1516	1898	1918	1963	1828	954	586	402	283	424	576	978	Dec-19
Kyrgyzstan	6 415 850	355.99	2284	544	544	563	374	101	52	24	18	22	2	5	35	Dec-19
Latvia	1 906 743	1.05	2	0	0	0	0	0	1	1	0	0	0	-	-	Oct-19
Lithuania	2 759 627	301.13	831	22	131	396	178	76	14	14	0	0	0	0	0	Dec-19
Luxembourg	615 729	38.98	24	0	0	18	4	1	0	0	0	0	1	0	0	Dec-19
Malta	440 372	72.67	32	0	0	3	13	11	3	1	0	0	0	1	0	Dec-19
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Netherlands	17 097 130	4.80	82	4	4	10	2	13	17	10	17	3	0	2	0	Dec-19
North Macedonia	2 083 459	904.27	1884	146	275	356	428	467	166	31	12	2	1	0	0	Dec-19
Norway	5 378 857	3.16	17	0	1	7	4	2	1	0	2	0	0	0	0	Dec-19
Poland	37 887 768	36.08	1367	184	250	200	289	249	124	41	9	5	6	2	8	Dec-19
Portugal	10 226 187	0.98	10	2	2	2	0	2	1	0	0	0	0	0	1	Dec-19
Republic of Moldova	4 043 263	22.01	89	3	2	13	3	14	19	11	10	2	2	8	2	Dec-19
Romania	19 364 557	88.10	1706	263	303	188	110	148	123	110	80	112	100	79	90	Dec-19
Russian Federation	145 872 256	28.47	4153	389	641	615	547	728	488	257	167	110	40	56	115	Dec-19
San Marino	33 860	324.87	11	0	0	1	9	0	0	1	0	0	0	0	0	Dec-19
Serbia	8 772 235	2.39	21	1	1	1	3	8	1	0	0	0	1	4	1	Dec-19
Slovakia	5 457 013	57.17	312	41	44	84	87	37	7	5	7	0	0	0	0	Dec-19
Slovenia	2 078 654	23.09	48	0	0	0	6	8	3	1	1	0	0	7	22	Dec-19
Spain	46 736 776	6.25	292	11	11	24	68	99	34	13	12	6	1	3	10	Dec-19
Sweden	10 036 379	1.99	20	0	1	4	7	3	2	2	0	1	0	0	0	Dec-19
Switzerland	8 591 365	25.26	217	9	50	65	54	29	2	0	2	4	0	2	0	Dec-19
Tajikistan	9 321 018	0.75	7	0	1	0	1	4	0	0	0	0	1	0	0	Dec-19
Turkey	83 429 615	34.64	2890	53	294	544	591	606	306	158	76	39	53	66	104	Dec-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Ukraine	43 993 638	1302.05	57282	13760	11559	8869	8686	7929	3443	1447	737	372	214	112	154	Dec-19
United Kingdom	67 530 172	13.06	882	81	80	110	119	129	115	87	42	29	49	15	26	Dec-19
Uzbekistan	32 981 716	51.30	1692	41	51	143	175	73	122	79	85	130	275	421	97	Dec-19
Region	930 166 592	112.07	104248	19224	18391	16830	16214	14713	7432	3606	1987	1272	1315	1502	1762	

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), Serbia and Ukraine.

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 January—December 2019 (data as of 07 February 2020)

Country	Total Population in 2019 ¹	Incidence Rate January–December 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Austria	8 955 102	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Azerbaijan	10 047 718	0.20	2	0	0	0	0	0	0	0	0	0	0	2	0	Dec-19
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	0	1	0	1	0	0	1	0	0	0	0	Dec-19
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Denmark ²	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	2.25	9	3	1	0	1	0	1	1	0	1	1	0	0	Dec-19
Germany	83 517 045	0.67	56	3	5	7	4	5	5	11	6	3	1	4	2	Dec-19
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Ireland	4 882 495	0.20	1	0	0	0	1	0	0	0	0	0	0	0	0	Dec-19
Israel	8 519 377	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Italy	60 550 075	0.36	22	2	2	2	0	4	5	0	2	2	0	1	2	Dec-19
Kazakhstan	18 551 427	0.27	5	1	1	0	0	0	0	0	0	3	0	0	0	Dec-19
Kyrgyzstan	6 415 850	0.62	4	0	0	2	1	0	0	0	0	0	0	1	0	Dec-19
Latvia	1 906 743	1.05	2	1	0	0	1	0	0	0	0	0	0	-	-	Oct-19
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Montenegro	627 987	0.00	0	0	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	Dec-19
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Norway	5 378 857	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Poland	37 887 768	7.71	292	43	22	36	29	37	21	26	15	9	25	22	7	Dec-19
Portugal	10 226 187	0.29	3	1	0	0	0	0	0	0	0	0	1	1	0	Dec-19
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Romania	19 364 557	0.21	4	0	0	0	1	0	0	1	0	2	0	0	0	Dec-19
Russian Federation	145 872 256	0.23	34	1	9	2	3	13	3	3	0	0	0	0	0	Dec-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
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	Dec-19
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Spain	46 736 776	0.09	4	3	0	0	0	0	0	0	0	0	0	0	1	Dec-19
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Switzerland	8 591 365	0.12	1	0	0	0	0	0	1	0	0	0	0	0	0	Dec-19
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Turkey	83 429 615	0.54	45	0	3	3	9	9	4	2	5	3	2	3	2	Dec-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Ukraine	43 993 638	3.14	138	17	32	14	17	12	2	6	15	12	7	0	4	Dec-19
United Kingdom	67 530 172	0.04	3	0	1	0	0	0	0	0	1	1	0	0	0	Dec-19
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-19
Region	930 166 592	0.68	628	75	76	67	67	81	42	50	45	36	37	34	18	

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 2019 Revision.

² Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January—December 2019 (data as of 07 February 2020)

Country	Total Population in 2019 ¹	2018 (as of 07 February 2020)			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	2 880 917	508.54	1466	3	482	379	0	103	350	22	2	100%	92%	Dec-19	87%	12.1	100%	100%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-19	-	0.0	-	-
Armenia	2 957 731	6.44	19	0	7	7	0	0	133	5	0	100%	100%	Dec-19	100%	4.5	86%	100%
Austria	8 955 102	8.66	77	0	151	140	11	0	74	18	0	100%	100%	Dec-19	79%	0.8	99%	9%
Azerbaijan	10 047 718	7.14	71	0	261	240	21	0	53	1	0	100%	92%	Dec-19	99%	0.5	99%	98%
Belarus ⁷	9 452 411	24.97	236	0	191	191	0	0	361	0	0	100%	100%	Dec-19	100%	3.8	0%	0%
Belgium	11 539 328	10.19	117	0	485	375	60	50	-	0	0	100%	100%	Dec-19	-	-	-	-
Bosnia and Herzegovina	3 301 000	26.78	89	0	1401	180	0	1221	-	0	0	100%	42%	Dec-19	-	-	-	-
Bulgaria	7 000 119	1.84	13	0	1235	1119	69	47	-	8	0	100%	100%	Dec-19	96%	-	2%	100%
Croatia	4 130 304	5.53	23	0	51	51	0	0	1	10	0	92%	83%	Nov-19	100%	0.0	92%	0%
Cyprus	1 198 575	11.77	14	0	6	5	1	0	-	1	0	100%	100%	Dec-19	100%	-	100%	0%
Czech Republic	10 689 209	20.35	217	0	577	498	40	39	-	17	0	100%	100%	Dec-19	95%	-	94%	0%
Denmark	5 771 876	1.39	8	0	15	15	0	0	-	4	0	100%	100%	Dec-19	100%	-	93%	0%
Estonia	1 325 648	7.56	10	0	27	26	0	1	130	13	0	100%	100%	Dec-19	99%	9.8	100%	100%
Finland	5 532 156	2.72	15	0	12	12	0	0	-	8	0	100%	92%	Dec-19	100%	-	92%	0%
France	65 129 728	44.91	2919	4	2637	1660	383	594	-	157	2	100%	100%	Dec-19	87%	-	86%	0%
Georgia	3 996 765	550.35	2203	3	3920	2559	124	1237	478	3	2	100%	92%	Dec-19	71%	12.0	99%	96%
Germany	83 517 045	6.53	543	0	505	398	79	28	-	75	0	100%	75%	Dec-19	93%	-	67%	0%
Greece	10 473 455	208.42	2193	2	45	28	1	16	2	17	0	100%	100%	Dec-19	65%	0.0	100%	0%
Hungary	9 684 679	1.44	14	0	23	23	0	0	0	10	1	100%	100%	Dec-19	100%	0.0	91%	100%
Iceland	339 031	0.00	0	-	9	9	0	0	-	3	0	100%	100%	Dec-19	100%	-	100%	100%
Ireland	4 882 495	16.19	78	0	73	42	7	24	-	11	0	100%	100%	Dec-19	82%	-	68%	67%
Israel	8 519 377	377.14	3161	0	1028	638	301	89	-	0	0	100%	83%	Dec-19	88%	-	0%	49%
Italy	60 550 075	44.30	2686	9	1626	1410	82	134	290	82	1	100%	92%	Dec-19	95%	0.5	84%	0%
Kazakhstan	18 551 427	31.44	576	0	13326	8018	4413	895	-	0	21	100%	100%	Dec-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	175.13	1104	2	2284	73	1251	960	683	5	0	100%	100%	Dec-19	7%	10.6	99%	99%
Latvia	1 906 743	10.89	21	0	2	2	0	0	-	2	0	83%	83%	Oct-19	100%	-	100%	100%
Lithuania	2 759 627	11.78	33	0	831	831	0	0	-	15	0	100%	92%	Dec-19	100%	-	100%	68%
Luxembourg	615 729	6.62	4	0	24	24	0	0	27	3	0	100%	100%	Dec-19	100%	4.4	96%	100%
Malta	440 372	11.38	5	0	32	32	0	0	-	0	0	100%	100%	Dec-19	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-19	-	0.0	-	-
Montenegro	627 987	323.35	203	0	0	0	0	0	39	-	-	100%	42%	Dec-19	100%	6.2	-	92%
Netherlands	17 097 130	1.41	24	0	82	68	14	0	-	20	0	100%	100%	Dec-19	100%	-	74%	0%
North Macedonia	2 083 459	30.73	64	0	1884	648	689	547	-	0	5	100%	58%	Dec-19	-	-	-	-
Norway	5 378 857	2.25	12	0	17	14	3	0	-	8	0	100%	83%	Dec-19	100%	-	88%	100%
Poland	37 887 768	10.31	391	0	1367	916	108	343	-	0	0	100%	100%	Dec-19	-	-	-	-
Portugal	10 226 187	16.67	171	0	10	10	0	0	79	6	0	100%	100%	Dec-19	94%	0.8	60%	88%
Republic of Moldova	4 043 263	83.91	340	0	89	66	23	0	32	23	0	100%	100%	Dec-19	100%	0.8	99%	98%
Romania	19 364 557	328.00	6398	22	1706	1270	399	37	-	3	5	100%	100%	Dec-19	98%	-	100%	99%
Russian Federation	145 872 256	15.71	2290	1	4153	3898	233	22	4583	230	0	100%	100%	Dec-19	100%	3.1	100%	41%
San Marino	33 860	0.00	0	-	11	11	0	0	0	1	0	100%	100%	Dec-19	100%	0.0	100%	100%
Serbia	8 772 235	576.64	5076	14	21	19	0	2	-	0	0	100%	92%	Dec-19	-	-	-	-
Slovakia	5 457 013	104.90	572	0	312	267	41	4	13	8	0	100%	100%	Dec-19	100%	0.2	100%	100%
Slovenia	2 078 654	4.33	9	0	48	48	0	0	-	13	0	100%	100%	Dec-19	100%	-	88%	100%
Spain	46 736 776	4.84	226	0	292	276	9	7	308	39	0	100%	100%	Dec-19	98%	0.7	99%	81%
Sweden	10 036 379	3.81	38	0	20	19	1	0	-	12	0	100%	100%	Dec-19	100%	-	95%	0%
Switzerland	8 591 365	5.98	51	0	217	169	44	4	302	40	1	100%	100%	Dec-19	99%	3.5	86%	41%
Tajikistan	9 321 018	0.00	0	-	7	7	0	0	96	0	0	100%	100%	Dec-19	100%	1.0	100%	97%
Turkey ⁷	83 429 615	8.70	716	0	2890	2401	489	0	5795	19	3	100%	75%	Dec-19	100%	6.9	7%	97%
Turkmenistan	5 942 089	0.00	0	-	0	0	0	0	48	-	-	100%	100%	Dec-19	100%	0.8	-	98%
Ukraine	43 993 638	1202.77	53218	15	57282	6531	35	50716	-	0	20	100%	100%	Dec-19	-	-	-	-
United Kingdom	67 530 172	14.19	953	0	882	881	1	0	-	110	1	100%	100%	Dec-19	100%	-	99%	2%
Uzbekistan	32 981 716	0.86	28	0	1692	687	40	965	467	13	0	100%	75%	Dec-19	50%	1.4	84%	99%
Region	930 166 592	95.69	88695	75	104248	37191	8972	58085	14344	1035	64	100%	93%		88%	3.0	78%	66%

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, North Macedonia, Poland (since Feb 2019), Serbia and Ukraine.

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—December 2019 (data as of 07 February 2020)

Country	Total Population in 2019 ¹	2018 (as of 07 February 2020)		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	2 880 917	0.00	0	0	0	0	0	350	-	100%	100%	Dec-19	99%	12.1	-	100%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Austria	8 955 102	0.67	6	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
Azerbaijan	10 047 718	0.00	0	2	2	0	0	8	0	100%	92%	Dec-19	100%	0.1	0%	90%
Belarus ⁷	9 452 411	0.21	2	0	0	0	0	361	-	100%	100%	Dec-19	100%	3.8	-	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.90	3	3	0	0	3	-	0	100%	42%	Dec-19	-	-	-	-
Bulgaria	7 000 119	0.14	1	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	58%	Dec-19	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
Czech Republic	10 689 209	0.19	2	0	0	0	0	-	-	100%	42%	Dec-19	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	12	-	100%	100%	Dec-19	100%	0.9	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	92%	Dec-19	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	0.00	0	9	4	0	5	36	0	100%	92%	Dec-19	80%	0.9	100%	96%
Germany	83 517 045	0.70	58	56	14	3	39	-	3	100%	75%	Dec-19	26%	-	63%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	92%	Dec-19	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	83%	Dec-19	-	-	-	-
Ireland	4 882 495	0.00	0	1	0	0	1	-	0	100%	100%	Dec-19	100%	-	100%	100%
Israel	8 519 377	0.24	2	0	0	0	0	-	-	100%	83%	Dec-19	-	-	-	-
Italy	60 550 075	0.33	20	22	9	1	12	19	3	100%	92%	Dec-19	93%	0.0	86%	0%
Kazakhstan	18 551 427	0.05	1	5	5	0	0	-	0	100%	100%	Dec-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	1.27	8	4	4	0	0	683	0	100%	100%	Dec-19	8%	10.6	100%	99%
Latvia	1 906 743	2.07	4	2	1	0	1	-	1	83%	83%	Oct-19	100%	-	100%	100%
Lithuania	2 759 627	0.36	1	0	0	0	0	-	-	100%	92%	Dec-19	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	3	-	100%	100%	Dec-19	100%	0.5	-	100%
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Montenegro	627 987	0.00	0	0	0	0	0	0	-	100%	50%	Dec-19	-	0.0	-	-
Netherlands	17 097 130	0.00	0	0	0	0	0	-	-	100%	100%	Dec-19	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	100%	75%	Dec-19	-	-	-	-
Norway	5 378 857	0.00	0	0	0	0	0	-	-	100%	75%	Dec-19	-	-	-	-
Poland	37 887 768	11.52	437	292	4	2	286	-	0	100%	100%	Dec-19	-	-	-	-
Portugal	10 226 187	0.49	5	3	0	0	3	9	0	100%	100%	Dec-19	75%	0.1	67%	75%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Dec-19	100%	0.0	-	100%
Romania	19 364 557	0.46	9	4	4	0	0	-	0	100%	83%	Dec-19	100%	-	0%	100%
Russian Federation	145 872 256	0.04	6	34	34	0	0	0	4	100%	100%	Dec-19	100%	0.0	100%	53%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	92%	Dec-19	-	-	-	-
Spain	46 736 776	0.26	12	4	2	1	1	13	0	100%	100%	Dec-19	100%	0.0	25%	100%
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	100%	Dec-19	-	0.0	-	-
Switzerland	8 591 365	0.23	2	1	1	0	0	31	1	100%	100%	Dec-19	97%	0.4	100%	9%
Tajikistan	9 321 018	0.00	0	0	0	0	0	36	-	100%	100%	Dec-19	100%	0.4	-	94%
Turkey ⁷	83 429 615	0.27	22	45	45	0	0	5795	2	100%	75%	Dec-19	100%	6.9	20%	97%
Turkmenistan	5 942 089	0.00	0	0	0	0	0	102	-	100%	100%	Dec-19	100%	1.7	-	100%
Ukraine	43 993 638	5.31	235	138	29	0	109	-	0	100%	100%	Dec-19	-	-	-	-
United Kingdom	67 530 172	0.03	2	3	3	0	0	-	0	100%	100%	Dec-19	100%	-	100%	0%
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	-	100%	75%	Dec-19	-	0.0	-	-
Region	930 166 592	0.90	838	628	161	7	460	7459	14	92%	84%		92%	1.6	63%	91%

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 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—December 2019 (data as of 07 February 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	727	382 (53)	B3	0%	1	1 (100)	-	-	100%	92%	Dec-19
Andorra											No lab
Armenia	147	7 (5)	D8	0%	147	0 (0)	-	-	100%	58%	Dec-19
Austria	1978	128 (6)	B3,D8	100%	6759	0 (0)	-	-	100%	92%	Dec-19
Azerbaijan	389	310 (80)	B3	0%	64	2 (3)	-	-	100%	67%	Dec-19
Belarus	620	234 (38)	B3,D8	44%	380	0 (0)	-	-	92%	92%	Nov-19
Belgium	1050	403 (38)	B3,D8	32%	109	16 (15)	-	-	100%	17%	Dec-19
Bosnia and Herzegovina	412	281 (68)	B3	83%	384	1 (0)	-	-	83%	83%	Dec-19
Bulgaria	1720	1110 (65)	B3,D8	0%	475	0 (0)	-	-	100%	83%	Dec-19
Croatia	254	88 (35)	B3,D8	100%	7	0 (0)	-	-	92%	0%	Nov-19
Cyprus	198	7 (4)	-	-	324	1 (0)	-	-	83%	33%	Oct-19
Czech Republic	1331	675 (51)	-	-	455	72 (16)	-	-	100%	100%	Dec-19
Denmark	1333	67 (5)	B3,D8	62%	29	2 (7)	-	-	100%	92%	Dec-19
Estonia	618	47 (8)	D8	48%	400	2 (1)	-	-	100%	92%	Dec-19
Finland	201	36 (18)	D8	100%	202	1 (0)	-	-	92%	92%	Nov-19
France	1985	758 (38)	B3,D8,H1	6%	0	-	-	-	83%	8%	Oct-19
Georgia	2193	1670 (76)	D8	7%	367	27 (7)	-	-	92%	75%	Nov-19
Germany	1090	480 (44)	B3,D8	15%	285	8 (3)	-	-	100%	0%	Dec-19
Greece	35	12 (34)	B3,D8	86%	0	-	-	-	100%	17%	Dec-19
Hungary	347	49 (14)	B3,D8	92%	150	0 (0)	-	-	100%	92%	Dec-19
Iceland	-	-	B3	0%	-	-	-	-	-	-	No report
Ireland	1734	111 (6)	B3,D8	79%	2517	432 (17)	-	-	100%	92%	Dec-19
Israel	4043	928 (23)	B3,D8	33%	4274	193 (5)	-	-	100%	83%	Dec-19
Italy	4349	2380 (55)	B3,D8	32%	1907	87 (5)	-	-	100%	75%	Dec-19
Kazakhstan	9516	8000 (84)	B3,D8	55%	1866	5 (0)	-	-	100%	83%	Dec-19
Kyrgyzstan	119	67 (56)	B3	17%	118	2 (2)	-	-	92%	92%	Dec-19
Latvia	320	15 (5)	D8	100%	379	4 (1)	-	-	100%	83%	Dec-19
Lithuania	4172	817 (20)	D8	0%	267	2 (1)	-	-	100%	92%	Dec-19
Luxembourg	432	2 (0)	D8	100%	0	-	-	-	100%	92%	Dec-19
Malta	185	48 (26)	B3,D8	17%	655	0 (0)	-	-	100%	50%	Dec-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	181	75 (41)	D8	93%	152	0 (0)	-	-	100%	100%	Dec-19
North Macedonia	924	508 (55)	-	-	11	0 (0)	-	-	100%	8%	Dec-19
Norway	33	27 (82)	B3,D8	100%	0	-	-	-	92%	25%	Nov-19
Poland	-	-	D8	37%	-	-	-	-	-	-	No report
Portugal	300	33 (11)	B3,D8	43%	10	1 (10)	-	-	92%	92%	Dec-19
Republic of Moldova	103	67 (65)	D8	0%	101	0 (0)	-	-	100%	92%	Dec-19
Romania	2839	2350 (83)	B3,D8	93%	466	3 (1)	-	-	100%	75%	Dec-19
Russian Federation	10878	5159 (47)	B3,D8	16%	8618	115 (1)	2B,1E	78%	100%	83%	Dec-19
San Marino											No lab
Serbia	84	22 (26)	B3,D8	20%	84	1 (1)	-	-	92%	92%	Dec-19
Slovakia	136	90 (66)	B3	0%	23	0 (0)	-	-	100%	92%	Dec-19
Slovenia	561	103 (18)	B3,D8	93%	363	3 (1)	-	-	100%	92%	Dec-19
Spain	-	-	B3,D8	32%	-	-	-	-	-	-	No report
Sweden	1661	56 (3)	B3,D8	100%	1993	7 (0)	-	-	100%	83%	Dec-19
Switzerland	568	255 (45)	B3,D8	96%	6	6 (100)	-	-	100%	83%	Dec-19
Tajikistan	137	3 (2)	-	-	135	0 (0)	-	-	100%	100%	Dec-19
Turkey	14687	3419 (23)	B3	54%	11842	194 (2)	-	-	100%	58%	Dec-19
Turkmenistan	133	0 (0)	-	-	133	0 (0)	-	-	100%	100%	Dec-19
Ukraine	1448	731 (50)	B3,D8	0%	897	27 (3)	-	-	100%	100%	Dec-19
United Kingdom	5180	896 (17)	B3,D8	43%	1212	4 (0)	-	-	100%	83%	Dec-19
Uzbekistan	1005	687 (68)	B3,D8	0%	1005	1 (0)	-	-	100%	83%	Dec-19
Region	82356	33593 (41)	-	34%	49572	1220 (2)	-	78%	85%	64%	

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.

