

A monthly summary of the epidemiological data on selected vaccine-preventable diseases in the WHO European Region

**Table 1: Reported measles cases for the period February 2019—January 2020 (data as of 05 March 2020)**

Country	Total Population in 2019 <sup>1</sup>	Incidence Rate February 2019–January 2020 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	
Albania	2 880 917	142.66	411	64	138	110	72	18	2	4	0	0	0	1	2	Jan-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Armenia	2 957 731	2.37	7	2	2	0	0	0	0	0	1	2	0	0	0	Jan-20
Austria	8 955 102	14.29	128	33	1	32	35	6	7	4	2	1	2	3	2	Jan-20
Azerbaijan	10 047 718	13.04	131	79	19	20	9	3	0	0	0	0	0	0	1	Jan-20
Belarus	9 452 411	18.73	177	20	18	20	66	37	15	1	0	0	0	0	0	Jan-20
Belgium	11 539 328	42.90	495	85	66	33	93	61	25	14	10	29	32	15	32	Jan-20
Bosnia and Herzegovina	3 301 000	424.42	1401	34	291	430	376	186	58	19	3	1	0	1	2	Jan-20
Bulgaria	7 000 119	187.71	1314	65	229	278	263	214	76	35	15	11	18	41	69	Jan-20
Croatia	4 130 304	12.59	52	1	0	0	6	4	10	4	14	12	1	0	0	Jan-20
Cyprus	1 198 575	4.17	5	0	0	3	1	1	0	0	0	0	0	0	0	Jan-20
Czech Republic	10 689 209	47.62	509	167	181	87	34	23	9	3	0	2	3	0	0	Jan-20
Denmark	5 771 876	2.95	17	3	6	2	1	1	0	0	0	0	0	0	4	Jan-20
Estonia	1 325 648	17.35	23	5	2	0	6	7	1	1	0	0	0	1	0	Jan-20
Finland	5 532 156	1.99	11	3	0	2	0	0	0	0	0	0	4	0	2	Jan-20
France	65 129 728	39.95	2602	209	319	340	554	467	311	109	56	61	49	40	87	Jan-20
Georgia	3 996 765	708.07	2830	1029	792	540	280	136	26	4	1	6	6	4	6	Jan-20
Germany	83 517 045	4.92	411	80	125	64	37	21	19	22	11	5	8	6	13	Jan-20
Greece	10 473 455	4.30	45	5	5	12	5	0	0	6	9	1	1	0	1	Jan-20
Hungary	9 684 679	2.17	21	5	4	2	9	0	1	0	0	0	0	0	0	Jan-20
Iceland	339 031	26.55	9	3	4	0	0	0	1	0	0	0	0	1	0	Jan-20
Ireland	4 882 495	14.13	69	16	16	4	5	3	1	1	8	7	4	3	1	Jan-20
Israel	8 519 377	86.27	735	167	249	203	60	27	14	3	3	0	4	2	3	Jan-20
Italy	60 550 075	24.67	1494	175	228	309	236	216	152	77	20	7	10	12	52	Jan-20
Kazakhstan	18 551 427	700.86	13002	1898	1918	1963	1828	954	586	402	283	424	576	978	1192	Jan-20
Kyrgyzstan	6 415 850	294.74	1891	544	563	374	101	52	24	18	22	2	5	54	132	Jan-20
Latvia	1 906 743	1.05	2	0	0	0	0	1	1	0	0	0	0	0	0	Jan-20
Lithuania	2 759 627	293.52	810	131	396	178	76	14	14	0	0	0	0	1	0	Jan-20
Luxembourg	615 729	38.98	24	0	18	4	1	0	0	0	0	1	0	0	0	Jan-20
Malta	440 372	72.67	32	0	3	13	11	3	1	0	0	0	1	0	0	Jan-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Dec-19
Netherlands	17 097 130	4.68	80	4	10	2	13	17	10	17	3	0	4	0	0	Jan-20
North Macedonia	2 083 459	834.19	1738	275	356	428	467	166	31	12	2	1	0	0	0	Jan-20
Norway	5 378 857	3.72	20	1	7	4	2	1	0	2	0	0	0	0	3	Jan-20
Poland	37 887 768	31.38	1189	250	200	289	249	124	41	9	5	6	2	8	6	Jan-20
Portugal	10 226 187	1.27	13	2	2	0	2	1	0	0	0	0	0	1	5	Jan-20
Republic of Moldova	4 043 263	21.52	87	2	13	3	14	19	11	10	2	2	8	2	1	Jan-20
Romania	19 364 557	78.34	1517	303	188	110	148	123	110	80	112	100	79	93	71	Jan-20
Russian Federation	145 872 256	26.05	3800	641	615	547	728	488	257	167	110	40	56	116	35	Jan-20
San Marino	33 860	324.87	11	0	1	9	0	0	1	0	0	0	0	0	0	Jan-20
Serbia	8 772 235	2.28	20	1	1	3	8	1	0	0	0	1	4	1	0	Jan-20
Slovakia	5 457 013	49.66	271	44	84	87	37	7	5	7	0	0	0	0	0	Jan-20
Slovenia	2 078 654	25.50	53	0	0	6	8	3	1	1	0	0	7	22	5	Jan-20
Spain	46 736 776	6.18	289	11	24	68	99	34	13	12	6	1	3	10	8	Jan-20
Sweden	10 036 379	2.19	22	1	4	7	3	2	2	0	1	0	0	0	2	Jan-20
Switzerland	8 591 365	27.47	236	50	65	54	29	2	0	2	5	0	2	11	16	Jan-20
Tajikistan	9 321 018	6.87	64	1	0	1	4	0	0	0	0	1	0	0	57	Jan-20
Turkey	83 429 615	35.66	2975	294	544	591	606	306	158	76	39	53	66	104	138	Jan-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Ukraine	43 993 638	992.76	43675	11559	8869	8686	7929	3443	1447	737	372	214	112	204	103	Jan-20
United Kingdom	67 530 172	12.32	832	80	110	119	129	115	87	42	29	49	15	26	31	Jan-20
Uzbekistan	32 981 716	62.76	2070	51	143	175	73	122	79	85	130	275	421	148	368	Jan-20
<b>Region</b>	<b>930 166 592</b>	<b>94.20</b>	<b>87620</b>	<b>18393</b>	<b>16829</b>	<b>16212</b>	<b>14713</b>	<b>7429</b>	<b>3607</b>	<b>1986</b>	<b>1274</b>	<b>1315</b>	<b>1503</b>	<b>1909</b>	<b>2450</b>	

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.

<sup>1</sup> 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 February 2019—January 2020 (data as of 05 March 2020)**

Country	Total Population in 2019 <sup>1</sup>	Incidence Rate February 2019–January 2020 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Austria	8 955 102	0.00	0	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	0	2	0	1	Jan-20
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Belgium <sup>2</sup>	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	1	0	1	0	0	1	0	0	0	0	0	Jan-20
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Denmark <sup>2</sup>	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
France <sup>2</sup>	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	1.50	6	1	0	1	0	1	1	0	1	1	0	0	0	Jan-20
Germany	83 517 045	0.66	55	5	7	4	5	5	11	6	3	1	4	3	1	Jan-20
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Ireland	4 882 495	0.20	1	0	0	1	0	0	0	0	0	0	0	0	0	Jan-20
Israel	8 519 377	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Italy	60 550 075	0.48	29	2	2	0	4	5	0	2	1	0	1	3	9	Jan-20
Kazakhstan	18 551 427	0.22	4	1	0	0	0	0	0	0	3	0	0	0	0	Jan-20
Kyrgyzstan	6 415 850	0.62	4	0	2	1	0	0	0	0	0	0	1	0	0	Jan-20
Latvia	1 906 743	0.52	1	0	0	1	0	0	0	0	0	0	0	0	0	Jan-20
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Montenegro	627 987	0.00	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	Jan-20
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Norway	5 378 857	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Poland	37 887 768	7.42	281	22	36	29	37	21	26	15	9	25	22	7	32	Jan-20
Portugal	10 226 187	0.20	2	0	0	0	0	0	0	0	0	1	1	0	0	Jan-20
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Romania	19 364 557	0.21	4	0	0	1	0	0	1	0	2	0	0	0	0	Jan-20
Russian Federation	145 872 256	0.23	34	9	2	3	13	3	3	0	0	0	0	0	1	Jan-20
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-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	Jan-20
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Spain	46 736 776	0.02	1	0	0	0	0	0	0	0	0	0	0	1	0	Jan-20
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Switzerland	8 591 365	0.12	1	0	0	0	0	1	0	0	0	0	0	0	0	Jan-20
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Turkey	83 429 615	0.59	49	3	3	9	9	4	2	5	3	2	3	2	4	Jan-20
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
Ukraine	43 993 638	2.91	128	32	14	17	12	2	6	15	12	7	0	8	3	Jan-20
United Kingdom	67 530 172	0.04	3	1	0	0	0	0	0	1	1	0	0	0	0	Jan-20
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jan-20
<b>Region</b>	<b>930 166 592</b>	<b>0.65</b>	<b>609</b>	<b>76</b>	<b>67</b>	<b>67</b>	<b>81</b>	<b>42</b>	<b>50</b>	<b>45</b>	<b>35</b>	<b>37</b>	<b>34</b>	<b>24</b>	<b>51</b>	

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.

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

<sup>2</sup> Country does not have a comprehensive rubella surveillance system.

**Table 3: Measles classification, reporting and surveillance performance, January 2020 (data as of 05 March 2020)**

Country	Total Population in 2019 <sup>1</sup>	2019 (as of 05 March 2020)			2020													
		Incidence Rate (per 1 million population)	Total measles cases <sup>2</sup>	Total measles death	Total measles cases <sup>2</sup>	Classification			Discarded Measles	Imported cases	Measles Death	Report			Surveillance Indicators <sup>6</sup>			
						Lab confirmed	Epi-Link	Clinically compatible <sup>3</sup>				Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month & year of last report	Laboratory investigation rate <sup>4</sup>	Rate of discarded cases <sup>5</sup>	Origin of infection <sup>4</sup>	Timeliness of investigation <sup>4</sup>
Albania <sup>7</sup>	2 880 917	167.31	482	2	2	2	0	0	9	0	0	100%	100%	Jan-20	100%	0.3	100%	100%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jan-20	-	0.0	-	-
Armenia	2 957 731	2.37	7	0	0	0	0	0	6	-	-	100%	100%	Jan-20	100%	0.2	-	100%
Austria	8 955 102	16.86	151	0	2	1	0	1	0	2	0	100%	100%	Jan-20	50%	0.0	100%	0%
Azerbaijan	10 047 718	25.98	261	0	1	0	0	1	3	0	0	100%	100%	Jan-20	75%	0.0	0%	75%
Belarus <sup>7</sup>	9 452 411	20.21	191	0	0	0	0	0	12	-	-	100%	100%	Jan-20	100%	0.1	-	0%
Belgium	11 539 328	41.68	481	0	32	10	5	17	-	0	0	100%	100%	Jan-20	-	-	-	-
Bosnia and Herzegovina	3 301 000	424.42	1401	0	2	0	0	2	-	0	0	100%	100%	Jan-20	-	-	-	-
Bulgaria	7 000 119	178.14	1247	0	69	63	2	4	-	2	1	100%	100%	Jan-20	96%	-	3%	100%
Croatia	4 130 304	12.59	52	0	0	0	0	0	0	-	-	100%	100%	Jan-20	-	0.0	-	-
Cyprus	1 198 575	5.01	6	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Czech Republic	10 689 209	53.98	577	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Denmark	5 771 876	2.60	15	0	4	4	0	0	-	0	0	100%	100%	Jan-20	100%	-	100%	0%
Estonia	1 325 648	20.37	27	0	0	0	0	0	13	-	-	100%	100%	Jan-20	100%	1.0	-	100%
Finland	5 532 156	2.17	12	0	2	2	0	0	-	0	0	100%	100%	Jan-20	100%	-	50%	0%
France	65 129 728	40.49	2637	2	87	63	14	10	-	8	0	100%	100%	Jan-20	97%	-	77%	0%
Georgia	3 996 765	980.79	3920	2	6	6	0	0	7	0	0	100%	100%	Jan-20	100%	0.2	83%	92%
Germany	83 517 045	6.07	507	0	13	9	1	3	-	2	0	100%	100%	Jan-20	75%	-	85%	0%
Greece	10 473 455	4.30	45	0	1	1	0	0	0	0	0	100%	100%	Jan-20	100%	0.0	0%	0%
Hungary	9 684 679	2.37	23	1	0	0	0	0	0	-	-	100%	100%	Jan-20	-	0.0	-	-
Iceland	339 031	26.55	9	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Ireland	4 882 495	14.95	73	0	1	0	0	1	-	0	0	100%	100%	Jan-20	100%	-	0%	0%
Israel	8 519 377	120.67	1028	0	3	3	0	0	-	0	0	100%	100%	Jan-20	100%	-	0%	100%
Italy	60 550 075	26.75	1620	1	52	42	7	3	12	7	0	100%	100%	Jan-20	98%	0.0	85%	0%
Kazakhstan	18 551 427	718.33	13326	21	1192	649	481	62	-	0	1	100%	100%	Jan-20	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 415 850	358.95	2303	0	132	17	70	45	46	18	1	100%	100%	Jan-20	25%	0.7	100%	98%
Latvia	1 906 743	1.05	2	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Lithuania	2 759 627	301.49	832	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Luxembourg	615 729	38.98	24	0	0	0	0	0	2	-	-	100%	100%	Jan-20	100%	0.3	-	100%
Malta	440 372	72.67	32	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jan-20	-	0.0	-	-
Montenegro	627 987	0.00	0	-	-	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 097 130	4.91	84	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
North Macedonia	2 083 459	904.27	1884	5	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Norway	5 378 857	3.16	17	0	3	3	0	0	-	2	0	100%	100%	Jan-20	100%	-	67%	100%
Poland	37 887 768	36.08	1367	0	6	3	0	3	-	0	0	100%	100%	Jan-20	-	-	-	-
Portugal	10 226 187	0.98	10	0	5	4	0	1	3	4	0	100%	100%	Jan-20	75%	0.0	80%	88%
Republic of Moldova	4 043 263	22.01	89	0	1	1	0	0	0	0	0	100%	100%	Jan-20	100%	0.0	100%	100%
Romania	19 364 557	88.25	1709	5	71	25	42	4	-	0	0	100%	100%	Jan-20	90%	-	100%	7%
Russian Federation	145 872 256	28.48	4154	0	35	35	0	0	128	6	0	100%	100%	Jan-20	100%	0.1	100%	19%
San Marino	33 860	324.87	11	0	0	0	0	0	0	-	-	100%	0%	Jan-20	-	0.0	-	-
Serbia	8 772 235	2.39	21	0	0	0	0	0	-	-	-	100%	100%	Jan-20	-	-	-	-
Slovakia	5 457 013	57.17	312	0	0	0	0	0	0	-	-	100%	100%	Jan-20	-	0.0	-	-
Slovenia	2 078 654	23.09	48	0	5	5	0	0	-	0	0	100%	100%	Jan-20	100%	-	0%	100%
Spain	46 736 776	6.25	292	0	8	8	0	0	6	0	0	100%	100%	Jan-20	100%	0.0	0%	71%
Sweden	10 036 379	1.99	20	0	2	2	0	0	-	2	0	100%	100%	Jan-20	100%	-	100%	0%
Switzerland	8 591 365	26.65	229	2	16	13	3	0	31	6	0	100%	100%	Jan-20	100%	0.4	88%	40%
Tajikistan	9 321 018	0.75	7	0	57	35	22	0	39	0	0	100%	100%	Jan-20	100%	0.4	0%	100%
Turkey <sup>7</sup>	83 429 615	34.64	2890	3	138	138	0	0	381	0	0	100%	100%	Jan-20	100%	0.5	61%	98%
Turkmenistan <sup>7</sup>	5 942 089	0.00	0	-	0	0	0	0	3	-	-	100%	100%	Jan-20	100%	0.1	-	100%
Ukraine	43 993 638	1303.19	57332	20	103	30	6	67	-	0	0	100%	100%	Jan-20	31%	-	100%	99%
United Kingdom	67 530 172	13.06	882	1	31	31	0	0	-	3	0	100%	100%	Jan-20	100%	-	90%	0%
Uzbekistan	32 981 716	52.85	1743	0	368	0	0	368	0	0	0	100%	100%	Jan-20	0%	0.0	0%	65%
<b>Region</b>	<b>930 166 592</b>	<b>112.23</b>	<b>104392</b>	<b>65</b>	<b>2450</b>	<b>1205</b>	<b>653</b>	<b>592</b>	<b>701</b>	<b>62</b>	<b>3</b>	<b>98%</b>	<b>96%</b>	<b>Jan-20</b>	<b>70%</b>	<b>0.1</b>	<b>50%</b>	<b>69%</b>

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.

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

<sup>2</sup> All confirmed measles cases regardless of origin.

<sup>3</sup> Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

<sup>4</sup> Target (>=80%) not achieving are highlighted in red.

<sup>5</sup> 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.

<sup>6</sup> Surveillance indicators can not be calculated for Member States submitting aggregate data.

<sup>7</sup> Country classifies discard cases as "discarded, not measles, not rubella".

**Table 4: Rubella classification, reporting and surveillance performance, January 2020 (data as of 05 March 2020)**

Country	Total Population in 2019 <sup>1</sup>	2019 (as of 05 March 2020)		2020												
		Incidence Rate (per 1 million population)	Total rubella cases <sup>2</sup>	Total rubella cases <sup>2</sup>	Classification			Discarded Rubella	Imported cases	Report			Surveillance Indicators <sup>6</sup>			
					Lab confirmed	Epi-Link	Clinically compatible <sup>3</sup>			Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month & year of last report	Laboratory investigation rate <sup>4</sup>	Rate of discarded cases <sup>5</sup>	Origin of infection <sup>4</sup>	Timeliness of investigation <sup>4</sup>
Albania <sup>7</sup>	2 880 917	0.00	0	0	0	0	0	9	-	100%	100%	Jan-20	100%	0.3	-	100%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Austria	8 955 102	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Azerbaijan	10 047 718	0.20	2	1	1	0	0	0	0	100%	100%	Jan-20	100%	0.0	0%	100%
Belarus <sup>7</sup>	9 452 411	0.00	0	0	0	0	0	12	-	100%	100%	Jan-20	100%	0.1	-	0%
Belgium <sup>8</sup>	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Bulgaria	7 000 119	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Czech Republic	10 689 209	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Denmark <sup>8</sup>	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
France <sup>8</sup>	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	2.25	9	0	0	0	0	2	-	100%	100%	Jan-20	100%	0.1	-	100%
Germany	83 517 045	0.68	57	1	0	0	1	-	0	100%	100%	Jan-20	0%	-	100%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Ireland	4 882 495	0.20	1	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Israel	8 519 377	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Italy	60 550 075	0.36	22	9	3	0	6	0	0	100%	100%	Jan-20	78%	0.0	22%	0%
Kazakhstan	18 551 427	0.27	5	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 415 850	0.62	4	0	0	0	0	46	-	100%	100%	Jan-20	17%	0.7	-	93%
Latvia	1 906 743	1.05	2	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Lithuania	2 759 627	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Jan-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%	Jan-20	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Norway	5 378 857	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Poland	37 887 768	7.71	292	32	0	0	32	-	0	100%	100%	Jan-20	-	-	-	-
Portugal	10 226 187	0.29	3	0	0	0	0	1	-	100%	100%	Jan-20	100%	0.0	-	100%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Romania	19 364 557	0.21	4	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Russian Federation	145 872 256	0.23	34	1	1	0	0	0	0	100%	100%	Jan-20	100%	0.0	100%	0%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	0%	Jan-20	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Spain	46 736 776	0.09	4	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Switzerland	8 591 365	0.12	1	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
Tajikistan	9 321 018	0.00	0	0	0	0	0	2	-	100%	100%	Jan-20	100%	0.0	-	100%
Turkey <sup>7</sup>	83 429 615	0.54	45	4	4	0	0	381	0	100%	100%	Jan-20	100%	0.5	100%	98%
Turkmenistan <sup>7</sup>	5 942 089	0.00	0	0	0	0	0	3	-	100%	100%	Jan-20	100%	0.1	-	100%
Ukraine	43 993 638	3.23	142	3	1	0	2	-	0	100%	100%	Jan-20	33%	-	100%	100%
United Kingdom	67 530 172	0.04	3	0	0	0	0	-	-	100%	100%	Jan-20	-	-	-	-
Uzbekistan	32 981 716	0.00	0	0	0	0	0	0	-	100%	100%	Jan-20	-	0.0	-	-
<b>Region</b>	<b>930 166 592</b>	<b>0.68</b>	<b>633</b>	<b>51</b>	<b>10</b>	<b>0</b>	<b>41</b>	<b>456</b>	<b>0</b>	<b>91%</b>	<b>89%</b>	<b>Jan-20</b>	<b>91%</b>	<b>0.1</b>	<b>58%</b>	<b>93%</b>

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.

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

<sup>2</sup> All confirmed rubella cases regardless of origin.

<sup>3</sup> Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

<sup>4</sup> Target (>=80%) not achieving are highlighted in red.

<sup>5</sup> 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.

<sup>6</sup> Surveillance indicators can not be calculated for Member States submitting aggregate data.

<sup>7</sup> Country classifies discard cases as "discarded, not measles, not rubella".

<sup>8</sup> Country does not have a comprehensive rubella surveillance system.

**Table 5: Measles and rubella laboratory test results, January 2020 (data as of 05 March 2020)**

Country	Measles				Rubella				Report <sup>1</sup>		
	Total specimens tested <sup>1</sup>	Positive for measles (%) <sup>1</sup>	Genotypes reported to MeaNS <sup>2</sup>	Sequencing reported within 60 days <sup>2</sup>	Total specimens tested <sup>1</sup>	Positive for rubella (%) <sup>1</sup>	Genotypes reported to RubeNS <sup>3</sup>	Sequencing reported within 60 days <sup>3</sup>	Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month of last report
Albania	10	1 (10)	-	-	0	-	-	-	100%	100%	Jan-20
Andorra											No lab
Armenia	6	0 (0)	-	-	6	0 (0)	-	-	100%	100%	Jan-20
Austria	132	0 (0)	-	-	427	0 (0)	-	-	100%	100%	Jan-20
Azerbaijan	5	0 (0)	-	-	2	1 (50)	-	-	100%	100%	Jan-20
Belarus	16	0 (0)	-	-	16	0 (0)	-	-	100%	100%	Jan-20
Belgium	-	-	D8	100%	-	-	-	-	-	-	No Report
Bosnia and Herzegovina	2	0 (0)	-	-	0	-	-	-	100%	100%	Jan-20
Bulgaria	109	86 (79)	-	-	19	0 (0)	-	-	100%	0%	Jan-20
Croatia	2	0 (0)	-	-	0	-	-	-	100%	100%	Jan-20
Cyprus	-	-	-	-	-	-	-	-	-	-	No report
Czech Republic	2	0 (0)	-	-	1	0 (0)	-	-	100%	100%	Jan-20
Denmark	55	11 (20)	D8	100%	2	0 (0)	-	-	100%	100%	Jan-20
Estonia	29	0 (0)	-	-	43	0 (0)	-	-	100%	100%	Jan-20
Finland	21	5 (24)	B3	100%	19	0 (0)	-	-	100%	100%	Jan-20
France	-	-	-	-	-	-	-	-	-	-	No Report
Georgia	16	5 (31)	-	-	10	0 (0)	-	-	100%	100%	Jan-20
Germany	70	24 (34)	B3,D8	100%	33	2 (6)	-	-	100%	100%	Jan-20
Greece	0	-	-	-	0	-	-	-	100%	100%	Jan-20
Hungary	8	0 (0)	-	-	12	0 (0)	-	-	100%	100%	Jan-20
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	136	1 (1)	-	-	259	0 (0)	-	-	100%	100%	Jan-20
Israel	0	-	-	-	194	41 (21)	-	-	100%	100%	Jan-20
Italy	173	73 (42)	-	-	91	8 (9)	-	-	100%	100%	Jan-20
Kazakhstan	820	647 (79)	-	-	14	0 (0)	-	-	100%	100%	Jan-20
Kyrgyzstan	26	15 (58)	-	-	26	0 (0)	-	-	100%	100%	Jan-20
Latvia	22	1 (5)	-	-	33	0 (0)	-	-	100%	100%	Jan-20
Lithuania	38	3 (8)	-	-	33	0 (0)	-	-	100%	100%	Jan-20
Luxembourg	2	0 (0)	-	-	0	-	-	-	100%	100%	Jan-20
Malta	-	-	-	-	-	-	-	-	-	-	No Report
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	-	-	-	-	-	-	-	-	-	-	No report
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	0	-	D8	100%	0	-	-	-	100%	100%	Jan-20
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	30	10 (33)	-	-	3	0 (0)	-	-	100%	100%	Jan-20
Republic of Moldova	1	1 (100)	-	-	1	0 (0)	-	-	100%	100%	Jan-20
Romania	217	164 (76)	-	-	48	0 (0)	-	-	100%	100%	Jan-20
Russian Federation	572	218 (38)	-	-	547	9 (2)	-	-	100%	100%	Jan-20
San Marino											No lab
Serbia	3	0 (0)	-	-	3	0 (0)	-	-	100%	100%	Jan-20
Slovakia	4	0 (0)	-	-	5	0 (0)	-	-	100%	100%	Jan-20
Slovenia	143	12 (8)	D8	100%	49	0 (0)	-	-	100%	100%	Jan-20
Spain	-	-	B3	100%	-	-	-	-	-	-	No report
Sweden	158	5 (3)	D8	100%	188	2 (1)	-	-	100%	100%	Jan-20
Switzerland	52	19 (37)	D8	100%	0	-	-	-	100%	100%	Jan-20
Tajikistan	71	0 (0)	-	-	70	0 (0)	-	-	100%	100%	Jan-20
Turkey	1018	224 (22)	-	-	692	20 (3)	-	-	100%	100%	Jan-20
Turkmenistan	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	32	13 (41)	-	-	32	2 (6)	-	-	100%	0%	Jan-20
United Kingdom	372	32 (9)	B3,D8	100%	156	0 (0)	-	-	100%	100%	Jan-20
Uzbekistan	0	-	-	-	0	-	-	-	100%	100%	Jan-20
<b>Region</b>	<b>4373</b>	<b>1570 (36)</b>	<b>-</b>	<b>100%</b>	<b>3034</b>	<b>85 (3)</b>	<b>-</b>	<b>-</b>	<b>74%</b>	<b>70%</b>	

<sup>1</sup> Data source : Monthly aggregated or specimen-based data reported to WHO/Europe.

<sup>2</sup> MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

<sup>3</sup> RubeNS: <http://www.who-rubella.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to RubeNS.

<sup>4</sup> 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.

