

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 September 2018—August 2019 (data as of 2 October 2019)

Country	Total Population in 2019 ¹	Incidence Rate September 2018–August 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	
Albania	2 880 917	200.98	579	17	20	34	27	73	64	138	110	72	18	2	4	Aug-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Armenia	2 957 731	2.03	6	1	0	0	1	0	2	2	0	0	0	0	0	Aug-19
Austria	8 955 102	17.20	154	6	0	4	1	25	33	1	32	35	6	7	4	Aug-19
Azerbaijan	10 047 718	33.04	332	0	0	24	47	131	79	19	20	9	3	0	0	Aug-19
Belarus	9 452 411	22.11	209	7	2	5	5	14	19	18	20	66	37	15	1	Aug-19
Belgium	11 539 328	37.00	427	14	4	6	6	18	85	66	32	90	64	28	14	Aug-19
Bosnia and Herzegovina	3 301 000	422.90	1396	0	0	0	0	2	34	291	430	376	186	58	19	Aug-19
Bulgaria	7 000 119	165.43	1158	0	0	0	0	2	65	229	278	263	214	76	31	Aug-19
Croatia	4 130 304	6.05	25	0	0	0	0	0	1	0	0	4	6	10	4	Aug-19
Cyprus	1 198 575	5.01	6	0	0	0	0	1	0	0	3	1	1	0	0	Aug-19
Czech Republic	10 689 209	59.22	633	6	6	20	27	68	167	182	88	34	23	9	3	Aug-19
Denmark	5 771 876	3.12	18	2	0	0	1	2	3	6	2	1	1	0	0	Aug-19
Estonia	1 325 648	19.61	26	0	0	0	0	4	5	2	0	6	7	1	1	Aug-19
Finland	5 532 156	2.89	16	0	0	2	6	3	3	0	2	0	0	0	0	Aug-19
France	65 129 728	41.09	2676	38	76	62	61	122	209	320	342	557	469	313	107	Aug-19
Georgia	3 996 765	1189.96	4756	47	105	219	482	1096	1029	792	540	280	136	26	4	Aug-19
Germany	83 517 045	6.36	531	25	8	9	17	109	80	126	66	38	20	18	15	Aug-19
Greece	10 473 455	2.96	31	2	0	0	1	1	5	5	12	5	0	0	0	Aug-19
Hungary	9 684 679	2.48	24	0	0	0	1	2	5	4	2	9	0	1	0	Aug-19
Iceland	339 031	23.60	8	0	0	0	0	0	3	4	0	0	0	1	0	Aug-19
Ireland	4 882 495	14.13	69	2	1	1	1	6	17	21	4	10	3	2	1	Aug-19
Israel	8 519 377	443.93	3782	340	966	901	579	296	166	247	201	55	24	4	3	Aug-19
Italy	60 550 075	30.50	1847	56	83	58	76	180	173	229	309	237	217	152	77	Aug-19
Kazakhstan	18 551 427	561.52	10417	4	8	106	456	1516	1898	1918	1442	1127	954	586	402	Aug-19
Kyrgyzstan	6 415 850	451.38	2896	75	115	173	323	542	542	562	373	101	51	24	15	Aug-19
Latvia	1 906 743	2.62	5	0	1	0	2	0	0	0	0	0	1	1	0	Aug-19
Lithuania	2 759 627	308.38	851	0	0	15	16	23	131	395	174	72	12	13	0	Aug-19
Luxembourg	615 729	38.98	24	0	0	1	0	0	0	18	4	1	0	0	0	Aug-19
Malta	440 372	70.40	31	0	0	0	0	0	0	3	13	11	3	1	0	Aug-19
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Netherlands	17 097 130	4.04	69	0	0	0	2	4	4	10	2	13	16	9	9	Aug-19
North Macedonia	2 083 459	912.90	1902	2	1	5	13	146	275	356	428	467	166	31	12	Aug-19
Norway	5 378 857	3.16	17	0	0	0	0	0	1	7	4	2	1	0	2	Aug-19
Poland	37 887 768	41.60	1576	4	34	88	147	184	250	200	256	244	122	40	7	Aug-19
Portugal	10 226 187	4.89	50	3	2	24	12	2	2	2	0	2	1	0	0	Aug-19
Republic of Moldova	4 043 263	32.15	130	20	11	21	4	3	2	13	3	14	19	11	9	Aug-19
Romania	19 364 557	74.62	1445	72	65	81	130	261	77	188	110	148	123	110	80	Aug-19
Russian Federation	145 872 256	25.40	3705	77	54	63	59	388	637	611	517	648	451	147	53	Aug-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Serbia	8 772 235	8.21	72	15	23	12	7	1	1	1	3	8	1	0	0	Aug-19
Slovakia	5 457 013	81.55	445	26	22	39	49	41	44	84	87	37	7	5	4	Aug-19
Slovenia	2 078 654	9.62	20	0	1	0	0	0	0	0	6	8	3	1	1	Aug-19
Spain	46 736 776	5.41	253	4	4	1	6	11	11	23	67	74	28	13	11	Aug-19
Sweden	10 036 379	2.59	26	3	1	1	2	0	1	4	7	3	2	2	0	Aug-19
Switzerland	8 591 365	27.00	232	4	12	1	2	9	50	65	55	29	2	0	3	Aug-19
Tajikistan	9 321 018	0.64	6	0	0	0	0	0	1	0	1	4	0	0	0	Aug-19
Turkey	83 429 615	32.97	2751	53	24	24	26	53	294	544	591	606	306	157	73	Aug-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Ukraine	43 993 638	1822.63	80184	1848	3808	7916	10182	13760	11559	8869	8686	7929	3443	1447	737	Aug-19
United Kingdom	67 530 172	11.43	772	16	21	26	11	81	81	108	118	125	113	52	20	Aug-19
Uzbekistan	32 981 716	58.34	1924	1	0	0	11	109	122	271	430	275	299	263	143	Aug-19
Region	930 166 592	138.16	128512	2790	5478	9942	12799	19289	18230	16954	15870	14096	7559	3636	1869	

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 September 2018—August 2019 (data as of 2 October 2019)

Country	Total Population in 2019 ¹	Incidence Rate September 2018–August 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Austria	8 955 102	0.22	2	0	0	0	0	0	1	0	0	0	1	0	0	Aug-19
Azerbaijan	10 047 718	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	1.21	4	0	0	1	0	0	0	1	0	1	0	0	1	Aug-19
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-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	Aug-19
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	1.75	7	0	0	0	0	3	1	0	1	0	1	1	0	Aug-19
Germany	83 517 045	0.72	60	6	4	2	4	3	5	7	4	5	5	10	5	Aug-19
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Ireland	4 882 495	0.61	3	0	0	0	0	0	0	1	2	0	0	0	0	Aug-19
Israel	8 519 377	0.12	1	0	1	0	0	0	0	0	0	0	0	0	0	Aug-19
Italy	60 550 075	0.33	20	2	0	2	0	2	2	2	0	4	5	0	1	Aug-19
Kazakhstan	18 551 427	0.16	3	0	1	0	0	1	1	0	0	0	0	0	0	Aug-19
Kyrgyzstan	6 415 850	0.47	3	0	0	0	0	0	0	2	1	0	0	0	0	Aug-19
Latvia	1 906 743	1.57	3	0	0	0	1	1	0	0	1	0	0	0	0	Aug-19
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Monaco	38 964	0.00	0	-	-	0	0	0	0	0	0	0	0	0	0	Aug-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Netherlands	17 097 130	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Norway	5 378 857	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Poland	37 887 768	8.50	322	20	25	24	22	43	22	36	29	37	21	27	16	Aug-19
Portugal	10 226 187	0.20	2	1	0	0	0	1	0	0	0	0	0	0	0	Aug-19
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Romania	19 364 557	0.10	2	1	0	1	0	0	0	0	0	0	0	0	0	Aug-19
Russian Federation	145 872 256	0.18	26	1	0	1	1	1	9	2	5	3	1	2	0	Aug-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-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	Aug-19
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Spain	46 736 776	0.26	12	0	0	0	9	3	0	0	0	0	0	0	0	Aug-19
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Switzerland	8 591 365	0.12	1	0	0	0	0	0	0	0	0	0	1	0	0	Aug-19
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Turkey	83 429 615	0.50	42	1	3	4	0	0	3	3	9	9	4	2	4	Aug-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-19
Ukraine	43 993 638	3.73	164	15	9	12	13	17	32	14	17	12	2	6	15	Aug-19
United Kingdom	67 530 172	0.03	2	1	0	0	0	0	1	0	0	0	0	0	0	Aug-19
Uzbekistan	32 981 716	0.03	1	0	0	0	0	0	0	0	1	0	0	0	0	Aug-19
Region	930 166 592	0.73	680	48	43	47	50	75	77	68	70	71	41	48	42	

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—August 2019 (data as of 2 October 2019)

Country	Total Population in 2019 ¹	2018 (as of 2 October 2019)			2019													
		Incidence Rate (per 1 million population)	Total measles cases ²	Total measles death	Total measles cases ²	Classification			Discarded Measles	Imported cases	Measles Death	Report			Surveillance Indicators ⁶			
						Lab confirmed	Epi-Link	Clinically compatible ³				Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 880 917	508.54	1466	3	481	378	0	103	332	22	2	100%	100%	Aug-19	87%	11.5	100%	99%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Aug-19	-	0.0	-	-
Armenia	2 957 731	6.44	19	0	4	4	0	0	92	3	0	100%	100%	Aug-19	100%	3.1	100%	100%
Austria	8 955 102	8.66	77	0	143	132	11	0	58	14	0	100%	100%	Aug-19	82%	0.6	99%	10%
Azerbaijan	10 047 718	7.14	71	0	261	240	21	0	49	1	0	100%	100%	Aug-19	98%	0.5	99%	98%
Belarus ⁷	9 452 411	24.97	236	0	190	190	0	0	284	0	0	100%	100%	Aug-19	100%	3.0	0%	0%
Belgium	11 539 328	10.19	117	0	397	317	45	35	-	0	0	100%	100%	Aug-19	-	-	-	-
Bosnia and Herzegovina	3 301 000	26.78	89	0	1396	178	0	1218	-	0	0	100%	38%	Aug-19	-	-	-	-
Bulgaria	7 000 119	1.84	13	0	1158	1047	66	45	-	7	0	100%	100%	Aug-19	96%	-	1%	100%
Croatia	4 130 304	5.53	23	0	25	25	0	0	0	10	0	100%	100%	Aug-19	100%	0.0	84%	0%
Cyprus	1 198 575	11.77	14	0	6	5	1	0	-	1	0	100%	100%	Aug-19	100%	-	100%	0%
Czech Republic	10 689 209	20.35	217	0	574	494	40	40	-	15	0	100%	100%	Aug-19	95%	-	94%	0%
Denmark	5 771 876	1.39	8	0	15	15	0	0	-	4	0	100%	100%	Aug-19	100%	-	93%	0%
Estonia	1 325 648	7.56	10	0	26	25	0	1	100	12	0	100%	100%	Aug-19	99%	7.5	100%	100%
Finland	5 532 156	2.72	15	0	8	8	0	0	-	6	0	100%	88%	Aug-19	100%	-	88%	0%
France	65 129 728	44.91	2919	4	2439	1465	367	607	-	145	2	100%	100%	Aug-19	87%	-	86%	0%
Georgia	3 996 765	550.35	2203	3	3903	2547	123	1233	440	3	2	100%	88%	Aug-19	71%	11.0	99%	96%
Germany	83 517 045	6.52	542	0	472	370	75	27	-	66	0	100%	88%	Aug-19	93%	-	66%	0%
Greece	10 473 455	208.42	2193	2	28	15	1	12	2	17	0	100%	100%	Aug-19	59%	0.0	100%	0%
Hungary	9 684 679	1.44	14	0	23	23	0	0	0	10	1	100%	100%	Aug-19	100%	0.0	91%	100%
Iceland	339 031	0.00	0	-	8	8	0	0	-	2	0	100%	100%	Aug-19	100%	-	100%	100%
Ireland	4 882 495	16.19	78	0	64	33	6	25	-	7	0	100%	100%	Aug-19	86%	-	66%	69%
Israel	8 519 377	377.02	3160	0	996	611	297	88	-	0	0	100%	75%	Aug-19	87%	-	0%	50%
Italy	60 550 075	44.30	2686	9	1574	1373	82	119	238	74	1	100%	88%	Aug-19	95%	0.4	84%	0%
Kazakhstan	18 551 427	31.44	576	0	9843	6759	2508	576	-	0	0	100%	100%	Aug-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	175.13	1104	2	2210	50	1230	930	545	0	0	100%	100%	Aug-19	4%	8.5	99%	99%
Latvia	1 906 743	10.89	21	0	2	2	0	0	-	2	0	100%	100%	Aug-19	100%	-	100%	100%
Lithuania	2 759 627	11.78	33	0	820	820	0	0	-	15	0	100%	88%	Aug-19	100%	-	100%	68%
Luxembourg	615 729	6.62	4	0	23	23	0	0	24	3	0	100%	100%	Aug-19	100%	3.9	96%	100%
Malta	440 372	11.38	5	0	31	31	0	0	-	0	0	100%	100%	Aug-19	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Aug-19	-	0.0	-	-
Montenegro	627 987	323.35	203	0	0	0	0	0	29	-	-	100%	38%	Aug-19	100%	4.6	-	97%
Netherlands	17 097 130	1.41	24	0	67	58	9	0	-	17	0	100%	100%	Aug-19	78%	-	97%	0%
North Macedonia	2 083 459	30.73	64	0	1881	647	689	545	-	0	5	100%	50%	Aug-19	-	-	-	-
Norway	5 378 857	2.25	12	0	17	14	3	0	-	8	0	100%	75%	Aug-19	100%	-	88%	100%
Poland	37 887 768	10.31	391	0	1303	897	102	304	-	0	0	100%	100%	Aug-19	-	-	-	-
Portugal	10 226 187	16.67	171	0	9	9	0	0	59	5	0	100%	100%	Aug-19	97%	0.6	56%	93%
Republic of Moldova	4 043 263	83.91	340	0	74	55	19	0	23	23	0	100%	100%	Aug-19	100%	0.6	99%	98%
Romania	19 364 557	266.79	5204	22	1097	886	191	20	-	2	5	100%	100%	Aug-19	98%	-	100%	99%
Russian Federation	145 872 256	15.71	2290	1	3452	3225	223	4	2860	192	0	100%	100%	Aug-19	100%	2.0	100%	47%
San Marino	33 860	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Aug-19	-	0.0	-	-
Serbia	8 772 235	576.64	5076	14	15	13	0	2	-	0	0	100%	88%	Aug-19	-	-	-	-
Slovakia	5 457 013	104.90	572	0	309	264	41	4	13	8	0	100%	100%	Aug-19	100%	0.2	100%	100%
Slovenia	2 078 654	4.33	9	0	19	19	0	0	-	13	0	100%	100%	Aug-19	100%	-	89%	100%
Spain	46 736 776	4.84	226	0	238	216	13	9	217	33	0	100%	100%	Aug-19	100%	0.5	100%	93%
Sweden	10 036 379	3.81	38	0	19	18	1	0	-	11	0	100%	100%	Aug-19	100%	-	95%	0%
Switzerland	8 591 365	5.98	51	0	213	164	44	5	249	38	1	100%	100%	Aug-19	99%	2.9	85%	43%
Tajikistan	9 321 018	0.00	0	-	6	6	0	0	63	0	0	100%	100%	Aug-19	100%	0.7	100%	96%
Turkey ⁷	83 429 615	8.70	716	0	2624	2136	488	0	4530	17	3	100%	63%	Aug-19	100%	5.4	7%	96%
Turkmenistan	5 942 089	0.00	0	-	0	0	0	0	24	-	-	100%	100%	Aug-19	100%	0.4	-	100%
Ukraine	43 993 638	1202.77	53218	15	56430	6337	0	50093	-	0	19	100%	100%	Aug-19	-	-	-	-
United Kingdom	67 530 172	14.19	953	0	698	697	1	0	-	99	1	100%	100%	Aug-19	100%	-	99%	4%
Uzbekistan	32 981 716	0.86	28	0	1912	383	2	1527	233	0	1	100%	100%	Aug-19	29%	0.7	26%	100%
Region	930 166 592	94.40	87499	75	97503	33232	6699	57572	10464	905	43	100%	94%		85%	2.2	73%	68%

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—August 2019 (data as of 2 October 2019)

Country	Total Population in 2019 ¹	2018 (as of 2 October 2019)		2019												
		Incidence Rate (per 1 million population)	Total rubella cases ²	Total rubella cases ²	Classification			Discarded Rubella	Imported cases	Report			Surveillance Indicators ⁶			
					Lab confirmed	Epi-Link	Clinically compatible ³			Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 880 917	0.00	0	0	0	0	0	332	-	100%	100%	Aug-19	99%	11.5	-	98%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Austria	8 955 102	0.67	6	2	1	1	0	-	0	100%	100%	Aug-19	100%	-	100%	0%
Azerbaijan	10 047 718	0.00	0	0	0	0	0	3	-	100%	100%	Aug-19	100%	0.0	-	100%
Belarus ⁷	9 452 411	0.21	2	0	0	0	0	283	-	100%	100%	Aug-19	100%	3.0	-	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.90	3	3	0	0	3	-	0	100%	38%	Aug-19	-	-	-	-
Bulgaria	7 000 119	0.14	1	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	75%	Aug-19	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Czech Republic	10 689 209	0.19	2	0	0	0	0	-	-	100%	38%	Aug-19	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	11	-	100%	100%	Aug-19	100%	0.8	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	88%	Aug-19	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	0.00	0	7	4	0	3	22	0	100%	88%	Aug-19	83%	0.6	100%	93%
Germany	83 517 045	0.70	58	44	12	2	30	-	3	100%	88%	Aug-19	26%	-	59%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	88%	Aug-19	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	75%	Aug-19	-	-	-	-
Ireland	4 882 495	0.00	0	3	0	0	3	-	0	100%	100%	Aug-19	67%	-	67%	67%
Israel	8 519 377	0.24	2	0	0	0	0	-	-	100%	75%	Aug-19	-	-	-	-
Italy	60 550 075	0.35	21	16	8	0	8	12	3	100%	88%	Aug-19	82%	0.0	94%	0%
Kazakhstan	18 551 427	0.05	1	2	2	0	0	-	0	100%	100%	Aug-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	1.27	8	3	3	0	0	545	0	100%	100%	Aug-19	2%	8.5	100%	99%
Latvia	1 906 743	2.07	4	2	1	0	1	-	1	100%	100%	Aug-19	100%	-	100%	100%
Lithuania	2 759 627	0.36	1	0	0	0	0	-	-	100%	88%	Aug-19	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Montenegro	627 987	0.00	0	0	0	0	0	0	-	100%	50%	Aug-19	-	0.0	-	-
Netherlands	17 097 130	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	100%	63%	Aug-19	-	-	-	-
Norway	5 378 857	0.00	0	0	0	0	0	-	-	100%	63%	Aug-19	-	-	-	-
Poland	37 887 768	11.52	437	231	4	2	225	-	0	100%	100%	Aug-19	-	-	-	-
Portugal	10 226 187	0.49	5	1	0	0	1	8	0	100%	100%	Aug-19	78%	0.1	100%	89%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Aug-19	100%	0.0	-	100%
Romania	19 364 557	0.46	9	0	0	0	0	-	-	100%	88%	Aug-19	-	-	-	-
Russian Federation	145 872 256	0.04	6	23	23	0	0	0	4	100%	100%	Aug-19	100%	0.0	100%	43%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Aug-19	-	-	-	-
Spain	46 736 776	0.26	12	3	2	1	0	9	0	100%	100%	Aug-19	100%	0.0	0%	100%
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	100%	Aug-19	-	0.0	-	-
Switzerland	8 591 365	0.23	2	1	1	0	0	16	1	100%	100%	Aug-19	100%	0.2	100%	12%
Tajikistan	9 321 018	0.00	0	0	0	0	0	26	-	100%	100%	Aug-19	100%	0.3	-	92%
Turkey ⁷	83 429 615	0.27	22	34	34	0	0	4531	1	100%	63%	Aug-19	87%	5.4	15%	96%
Turkmenistan	5 942 089	0.00	0	0	0	0	0	35	-	100%	100%	Aug-19	100%	0.6	-	100%
Ukraine	43 993 638	5.31	235	115	18	0	97	-	0	100%	100%	Aug-19	-	-	-	-
United Kingdom	67 530 172	0.03	2	1	1	0	0	-	0	100%	100%	Aug-19	100%	-	100%	0%
Uzbekistan	32 981 716	0.00	0	1	1	0	0	0	0	100%	100%	Aug-19	100%	0.0	100%	100%
Region	930 166 592	0.91	839	492	115	6	371	5834	13	92%	84%		80%	1.2	63%	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, 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—August 2019 (data as of 2 October 2019)

Country	Measles				Rubella				Report ¹		
	Total specimens tested ¹	Positive for measles (%) ¹	Genotypes reported to MeaNS ²	Sequencing reported within 60 days ²	Total specimens tested ¹	Positive for rubella (%) ¹	Genotypes reported to RubeNS ³	Sequencing reported within 60 days ³	Completeness ⁴	Timeliness ⁴	Month of last report
Albania	708	381 (54)	-	-	1	1 (100)	-	-	100%	88%	Aug-19
Andorra											No lab
Armenia	101	4 (4)	D8	0%	101	0 (0)	-	-	100%	75%	Aug-19
Austria	1493	125 (8)	B3,D8	100%	3778	0 (0)	-	-	100%	100%	Aug-19
Azerbaijan	383	304 (79)	B3	0%	91	8 (9)	-	-	100%	63%	Aug-19
Belarus	567	234 (41)	B3,D8	79%	327	0 (0)	-	-	100%	100%	Aug-19
Belgium	203	104 (51)	B3,D8	61%	23	3 (13)	-	-	25%	0%	Feb-19
Bosnia and Herzegovina	406	280 (69)	B3	83%	379	1 (0)	-	-	100%	100%	Aug-19
Bulgaria	1608	1034 (64)	B3,D8	0%	407	0 (0)	-	-	100%	100%	Aug-19
Croatia	28	14 (50)	B3,D8	100%	2	0 (0)	-	-	75%	0%	Jun-19
Cyprus	168	7 (4)	-	-	265	1 (0)	-	-	100%	38%	Aug-19
Czech Republic	1273	666 (52)	-	-	423	65 (15)	-	-	100%	100%	Aug-19
Denmark	1163	65 (6)	B3,D8	62%	21	2 (10)	-	-	100%	100%	Aug-19
Estonia	516	46 (9)	D8	45%	273	1 (0)	-	-	100%	100%	Aug-19
Finland	166	32 (19)	D8	100%	167	1 (1)	-	-	100%	100%	Aug-19
France	1547	629 (41)	B3,D8,H1	7%	0	-	-	-	75%	13%	Jun-19
Georgia	2151	1663 (77)	D8	7%	341	27 (8)	-	-	100%	75%	Aug-19
Germany	-	-	B3,D8	14%	-	-	-	-	-	-	No report
Greece	10	4 (40)	B3,D8	75%	0	-	-	-	100%	13%	Aug-19
Hungary	307	49 (16)	B3,D8	92%	110	0 (0)	-	-	100%	100%	Aug-19
Iceland	-	-	B3	0%	-	-	-	-	-	-	No report
Ireland	1317	89 (7)	D8	77%	1733	432 (25)	-	-	100%	100%	Aug-19
Israel	3493	905 (26)	D8	40%	3595	135 (4)	-	-	100%	88%	Aug-19
Italy	3840	2316 (60)	B3,D8	41%	1553	82 (5)	-	-	100%	88%	Aug-19
Kazakhstan	7714	6468 (84)	B3,D8	100%	1448	2 (0)	-	-	100%	88%	Aug-19
Kyrgyzstan	90	55 (61)	-	-	89	1 (1)	-	-	100%	88%	Aug-19
Latvia	203	11 (5)	D8	100%	228	4 (2)	-	-	100%	88%	Aug-19
Lithuania	4046	816 (20)	D8	0%	188	2 (1)	-	-	100%	100%	Aug-19
Luxembourg	408	2 (0)	D8	100%	0	-	-	-	100%	100%	Aug-19
Malta	122	45 (37)	D8	22%	321	0 (0)	-	-	75%	63%	Jun-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	81	29 (36)	D8	92%	67	0 (0)	-	-	75%	75%	Jun-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	25%	13%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	D8	38%	-	-	-	-	-	-	No report
Portugal	219	28 (13)	B3,D8	33%	9	1 (11)	-	-	100%	100%	Aug-19
Republic of Moldova	84	56 (67)	D8	0%	82	0 (0)	-	-	100%	100%	Aug-19
Romania	2223	1860 (84)	B3,D8	93%	338	0 (0)	-	-	100%	75%	Aug-19
Russian Federation	7656	3733 (49)	B3,D8	16%	5910	82 (1)	2B,1E	78%	100%	88%	Aug-19
San Marino											No lab
Serbia	66	17 (26)	B3,D8	20%	66	1 (2)	-	-	100%	100%	Aug-19
Slovakia	127	90 (71)	B3	0%	8	0 (0)	-	-	100%	100%	Aug-19
Slovenia	238	47 (20)	B3,D8	85%	203	2 (1)	-	-	100%	100%	Aug-19
Spain	-	-	B3,D8	34%	-	-	-	-	-	-	No report
Sweden	1094	49 (4)	B3,D8	100%	1273	5 (0)	-	-	100%	88%	Aug-19
Switzerland	478	229 (48)	B3,D8	96%	3	3 (100)	-	-	100%	88%	Aug-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	50%	50%	Apr-19
Turkey	12007	3063 (26)	B3	54%	9522	123 (1)	-	-	100%	75%	Aug-19
Turkmenistan	63	0 (0)	-	-	63	0 (0)	-	-	100%	100%	Aug-19
Ukraine	1265	644 (51)	D8	0%	720	22 (3)	-	-	100%	100%	Aug-19
United Kingdom	3720	732 (20)	B3,D8	40%	584	1 (0)	-	-	100%	100%	Aug-19
Uzbekistan	618	382 (62)	B3,D8	0%	618	1 (0)	-	-	100%	75%	Aug-19
Region	64404	27496 (43)	-	39%	35367	1009 (3)	-	78%	77%	66%	

¹ Data source: Monthly aggregated or specimen-based data reported to WHO/Europe.² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.³ RubeNS: <http://www.who-rubella.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to RubeNS.⁴ Target (>=80%) not achieving are highlighted in red.

NB: Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in tables 1-4.

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