

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

Country	Total Population in 2019 ¹	Incidence Rate August 2018–July 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	
Albania	2 880 917	204.10	588	13	17	20	34	27	73	64	138	110	72	18	2	Jul-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Armenia	2 957 731	2.03	6	0	1	0	0	1	0	2	2	0	0	0	0	Jul-19
Austria	8 955 102	16.86	151	3	6	0	4	1	25	33	1	32	35	6	5	Jul-19
Azerbaijan	10 047 718	33.14	333	0	0	0	24	47	131	79	19	20	9	3	1	Jul-19
Belarus	9 452 411	23.17	219	12	7	2	5	5	14	19	18	20	66	37	14	Jul-19
Belgium	11 539 328	37.44	432	11	14	4	8	7	18	85	66	33	94	62	30	Jul-19
Bosnia and Herzegovina	3 301 000	417.15	1377	0	0	0	0	0	2	34	291	430	376	186	58	Jul-19
Bulgaria	7 000 119	159.43	1116	0	0	0	0	0	2	65	229	278	263	214	65	Jul-19
Croatia	4 130 304	5.08	21	1	0	0	0	0	0	1	0	0	4	6	9	Jul-19
Cyprus	1 198 575	5.01	6	0	0	0	0	0	1	0	0	3	1	1	0	Jul-19
Czech Republic	10 689 209	59.50	636	6	6	6	20	27	68	168	182	89	34	21	9	Jul-19
Denmark	5 771 876	3.47	20	2	2	0	0	1	2	3	6	2	1	1	0	Jul-19
Estonia	1 325 648	18.86	25	0	0	0	0	0	4	5	2	0	6	7	1	Jul-19
Finland	5 532 156	3.43	19	3	0	0	2	6	3	3	0	2	0	0	0	Jul-19
France	65 129 728	39.32	2561	29	38	76	61	54	122	207	317	340	549	463	305	Jul-19
Georgia	3 996 765	1203.97	4812	60	47	105	219	482	1096	1029	792	540	280	136	26	Jul-19
Germany	83 517 045	6.19	517	25	25	8	9	17	109	80	126	66	38	14	0	Jul-19
Greece	10 473 455	3.72	39	8	2	0	0	1	1	5	5	12	5	0	0	Jul-19
Hungary	9 684 679	2.48	24	0	0	0	0	1	2	5	4	2	9	0	1	Jul-19
Iceland	339 031	23.60	8	0	0	0	0	0	0	3	4	0	0	0	1	Jul-19
Ireland	4 882 495	17.00	83	15	2	1	1	1	6	17	21	4	10	3	2	Jul-19
Israel	8 519 377	459.42	3914	140	340	966	901	579	295	166	244	201	54	24	4	Jul-19
Italy	60 550 075	30.47	1845	79	56	83	58	76	180	173	229	308	236	215	152	Jul-19
Kazakhstan	18 551 427	539.85	10015	-	4	8	106	456	1516	1898	1918	1442	1127	954	586	Jul-19
Kyrgyzstan	6 415 850	451.69	2898	31	75	115	173	323	541	541	561	371	99	50	18	Jul-19
Latvia	1 906 743	3.15	6	1	0	1	0	2	0	0	0	0	0	1	1	Jul-19
Lithuania	2 759 627	287.36	793	1	0	0	15	16	22	130	379	155	58	8	9	Jul-19
Luxembourg	615 729	42.23	26	2	0	0	1	0	0	0	18	4	1	0	0	Jul-19
Malta	440 372	68.12	30	0	0	0	0	0	0	0	3	13	11	3	0	Jul-19
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Netherlands	17 097 130	3.33	57	4	0	0	0	2	4	4	10	2	12	14	5	Jul-19
North Macedonia	2 083 459	910.51	1897	7	2	1	5	13	146	275	356	428	467	166	31	Jul-19
Norway	5 378 857	3.16	17	2	0	0	0	0	0	1	7	4	2	1	0	Jul-19
Poland	37 887 768	41.36	1567	12	4	34	88	147	184	250	200	252	236	120	40	Jul-19
Portugal	10 226 187	5.18	53	3	3	2	24	12	2	2	2	0	2	1	0	Jul-19
Republic of Moldova	4 043 263	90.27	365	245	20	11	21	4	3	2	13	3	14	19	10	Jul-19
Romania	19 364 557	75.03	1453	92	72	65	81	130	261	75	188	108	148	123	110	Jul-19
Russian Federation	145 872 256	25.02	3649	172	77	54	63	59	389	636	609	513	627	373	77	Jul-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Serbia	8 772 235	10.03	88	16	15	23	12	7	1	1	1	3	8	1	0	Jul-19
Slovakia	5 457 013	91.99	502	63	26	22	39	49	41	44	84	87	37	7	3	Jul-19
Slovenia	2 078 654	9.14	19	0	0	1	0	0	0	0	0	6	8	3	1	Jul-19
Spain	46 736 776	5.31	248	7	4	4	1	6	11	11	23	67	74	26	14	Jul-19
Sweden	10 036 379	2.69	27	1	3	1	1	2	0	1	4	7	3	2	2	Jul-19
Switzerland	8 591 365	27.12	233	4	4	12	1	2	9	50	65	55	29	2	0	Jul-19
Tajikistan	9 321 018	0.64	6	0	0	0	0	0	0	1	0	1	4	0	0	Jul-19
Turkey	83 429 615	32.82	2738	64	53	24	24	26	53	294	544	591	606	306	153	Jul-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Ukraine	43 993 638	1863.09	81964	2517	1848	3808	7916	10182	13760	11559	8869	8686	7929	3443	1447	Jul-19
United Kingdom	67 530 172	10.90	736	54	16	21	26	11	81	78	108	116	116	74	35	Jul-19
Uzbekistan	32 981 716	13.80	455	0	1	0	0	6	13	27	97	162	63	42	44	Jul-19
Region	930 166 592	138.25	128594	3705	2790	5478	9943	12788	19191	18126	16755	15568	13823	7156	3271	

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

Country	Total Population in 2019 ¹	Incidence Rate August 2018–July 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Austria	8 955 102	0.22	2	0	0	0	0	0	0	1	0	0	0	1	0	Jul-19
Azerbaijan	10 047 718	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.91	3	0	0	0	1	0	0	0	1	0	1	0	0	Jul-19
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun-19
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-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	Jul-19
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	1.75	7	0	0	0	0	0	3	1	0	1	0	1	1	Jul-19
Germany	83 517 045	0.59	49	5	6	4	2	4	3	5	7	4	5	4	0	Jul-19
Greece	10 473 455	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Ireland	4 882 495	0.61	3	0	0	0	0	0	0	0	1	2	0	0	0	Jul-19
Israel	8 519 377	0.12	1	0	0	1	0	0	0	0	0	0	0	0	0	Jul-19
Italy	60 550 075	0.33	20	1	2	0	2	0	2	2	2	0	4	5	0	Jul-19
Kazakhstan	18 551 427	0.16	3	-	0	1	0	0	1	1	0	0	0	0	0	Jul-19
Kyrgyzstan	6 415 850	0.47	3	0	0	0	0	0	0	0	2	1	0	0	0	Jul-19
Latvia	1 906 743	1.57	3	0	0	0	0	1	1	0	0	1	0	0	0	Jul-19
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Monaco	38 964	0.00	0	-	-	-	0	0	0	0	0	0	0	0	0	Jul-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Netherlands	17 097 130	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Norway	5 378 857	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Poland	37 887 768	9.26	351	36	22	27	26	24	43	22	36	29	37	21	28	Jul-19
Portugal	10 226 187	0.29	3	1	1	0	0	0	1	0	0	0	0	0	0	Jul-19
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Romania	19 364 557	0.15	3	1	1	0	1	0	0	0	0	0	0	0	0	Jul-19
Russian Federation	145 872 256	0.16	23	0	1	0	1	1	1	9	2	5	3	0	0	Jul-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-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	Jul-19
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Spain	46 736 776	0.26	12	0	0	0	0	9	3	0	0	0	0	0	0	Jul-19
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Switzerland	8 591 365	0.12	1	0	0	0	0	0	0	0	0	0	0	1	0	Jul-19
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Turkey	83 429 615	0.47	39	1	1	3	4	0	0	3	3	9	9	4	2	Jul-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-19
Ukraine	43 993 638	4.02	177	28	15	9	12	13	17	32	14	17	12	2	6	Jul-19
United Kingdom	67 530 172	0.03	2	0	1	0	0	0	0	1	0	0	0	0	0	Jul-19
Uzbekistan	32 981 716	0.03	1	0	0	0	0	0	0	0	0	1	0	0	0	Jul-19
Region	930 166 592	0.76	706	73	50	45	49	52	75	77	68	70	71	39	37	

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—July 2019 (data as of 2 September 2019)

Country	Total Population in 2019 ¹	2018 (as of 2 September 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	477	376	0	101	330	22	2	100%	100%	Jul-19	87%	11.5	100%	99%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jul-19	-	0.0	-	-
Armenia	2 957 731	6.44	19	0	4	4	0	0	84	3	0	100%	100%	Jul-19	100%	2.8	100%	100%
Austria	8 955 102	8.66	77	0	137	126	11	0	57	11	0	100%	100%	Jul-19	81%	0.6	98%	8%
Azerbaijan	10 047 718	7.14	71	0	262	240	21	1	47	1	0	100%	100%	Jul-19	98%	0.5	99%	98%
Belarus ⁷	9 452 411	24.97	236	0	188	188	0	0	253	0	0	100%	100%	Jul-19	100%	2.7	0%	0%
Belgium	11 539 328	10.45	120	0	388	303	48	37	-	0	0	100%	100%	Jul-19	-	-	-	-
Bosnia and Herzegovina	3 301 000	26.78	89	0	1377	171	0	1206	-	0	0	100%	43%	Jul-19	-	-	-	-
Bulgaria	7 000 119	1.84	13	0	1116	1009	63	44	-	7	0	100%	100%	Jul-19	96%	-	1%	100%
Croatia	4 130 304	5.53	23	0	20	20	0	0	0	8	0	100%	100%	Jul-19	100%	0.0	80%	0%
Cyprus	1 198 575	11.77	14	0	6	5	1	0	-	1	0	100%	100%	Jul-19	100%	-	100%	0%
Czech Republic	10 689 209	20.35	217	0	571	490	40	41	-	15	0	100%	100%	Jul-19	95%	-	94%	0%
Denmark	5 771 876	1.39	8	0	15	15	0	0	-	4	0	100%	100%	Jul-19	100%	-	93%	0%
Estonia	1 325 648	7.56	10	0	25	25	0	0	95	11	0	100%	100%	Jul-19	100%	7.2	100%	100%
Finland	5 532 156	2.72	15	0	8	8	0	0	-	5	0	100%	86%	Jul-19	100%	-	75%	0%
France	65 129 728	44.82	2913	3	2303	1393	350	560	-	136	2	100%	100%	Jul-19	88%	-	86%	0%
Georgia	3 996 765	550.35	2203	3	3899	2545	123	1231	425	3	2	100%	14%	Jul-19	71%	10.6	99%	96%
Germany	83 517 045	6.52	542	0	433	336	74	23	-	55	0	100%	86%	Jul-19	93%	-	64%	0%
Greece	10 473 455	208.42	2193	2	28	15	1	12	2	17	0	100%	100%	Jul-19	59%	0.0	100%	0%
Hungary	9 684 679	1.44	14	0	23	23	0	0	0	10	0	100%	100%	Jul-19	100%	0.0	91%	100%
Iceland	339 031	0.00	0	-	8	8	0	0	-	2	0	100%	100%	Jul-19	100%	-	100%	100%
Ireland	4 882 495	16.19	78	0	63	32	6	25	-	7	0	100%	100%	Jul-19	86%	-	65%	68%
Israel	8 519 377	377.02	3160	0	988	603	297	88	-	0	0	100%	71%	Jul-19	87%	-	0%	50%
Italy	60 550 075	44.30	2686	9	1493	1285	75	133	219	64	1	100%	86%	Jul-19	93%	0.4	83%	0%
Kazakhstan	18 551 427	31.44	576	0	9441	6533	2347	561	-	0	0	100%	100%	Jul-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	175.13	1104	2	2181	47	1221	913	531	0	1	100%	100%	Jul-19	4%	8.3	99%	99%
Latvia	1 906 743	10.89	21	0	2	2	0	0	-	2	0	100%	100%	Jul-19	100%	-	100%	100%
Lithuania	2 759 627	11.78	33	0	761	761	0	0	-	15	0	100%	86%	Jul-19	100%	-	100%	68%
Luxembourg	615 729	6.62	4	0	23	23	0	0	23	3	0	100%	100%	Jul-19	100%	3.7	96%	100%
Malta	440 372	11.38	5	0	30	30	0	0	-	0	0	100%	100%	Jul-19	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jul-19	-	0.0	-	-
Montenegro	627 987	323.35	203	0	0	0	0	0	27	-	-	100%	43%	Jul-19	100%	4.3	-	96%
Netherlands	17 097 130	1.41	24	0	51	47	4	0	-	14	0	100%	100%	Jul-19	79%	-	96%	0%
North Macedonia	2 083 459	30.73	64	0	1869	642	687	540	-	0	5	100%	57%	Jul-19	-	-	-	-
Norway	5 378 857	2.25	12	0	15	12	3	0	-	8	0	100%	71%	Jul-19	100%	-	93%	100%
Poland	37 887 768	10.31	391	0	1282	882	103	297	-	0	0	100%	100%	Jul-19	-	-	-	-
Portugal	10 226 187	16.67	171	0	9	9	0	0	53	5	0	100%	100%	Jul-19	97%	0.5	56%	94%
Republic of Moldova	4 043 263	83.91	340	0	64	47	17	0	20	21	0	100%	100%	Jul-19	100%	0.5	98%	98%
Romania	19 364 557	112.27	2190	22	1013	818	176	19	-	2	1	100%	100%	Jul-19	98%	-	100%	98%
Russian Federation	145 872 256	15.71	2290	1	3224	3019	198	7	2309	180	0	100%	100%	Jul-19	100%	1.6	100%	50%
San Marino	33 860	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jul-19	-	0.0	-	-
Serbia	8 772 235	576.64	5076	14	15	13	0	2	-	0	0	100%	86%	Jul-19	-	-	-	-
Slovakia	5 457 013	104.90	572	0	303	258	41	4	13	7	0	100%	100%	Jul-19	100%	0.2	100%	100%
Slovenia	2 078 654	4.33	9	0	18	18	0	0	-	12	0	100%	100%	Jul-19	100%	-	89%	100%
Spain	46 736 776	4.84	226	0	226	202	6	18	210	26	1	100%	100%	Jul-19	100%	0.4	90%	94%
Sweden	10 036 379	3.81	38	0	19	18	1	0	-	11	0	100%	100%	Jul-19	100%	-	95%	0%
Switzerland	8 591 365	5.98	51	0	210	162	44	4	237	36	1	100%	100%	Jul-19	99%	2.8	85%	44%
Tajikistan	9 321 018	0.00	0	-	6	6	0	0	60	0	0	100%	100%	Jul-19	100%	0.6	100%	97%
Turkey ⁷	83 429 615	8.70	716	0	2547	2059	488	0	4141	17	3	100%	57%	Jul-19	100%	5.0	8%	96%
Turkmenistan	5 942 089	0.00	0	-	0	0	0	0	18	-	-	100%	100%	Jul-19	100%	0.3	-	100%
Ukraine	43 993 638	1202.77	53218	15	55693	6228	0	49465	-	0	18	100%	100%	Jul-19	-	-	-	-
United Kingdom	67 530 172	14.19	953	0	608	607	1	0	-	87	0	100%	100%	Jul-19	100%	-	100%	2%
Uzbekistan	32 981 716	0.71	23	0	448	334	2	112	898	1	0	100%	100%	Jul-19	40%	2.7	80%	100%
Region	930 166 592	91.14	84477	74	93890	31997	6449	55444	10052	829	37	100%	92%		86%	2.1	76%	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—July 2019 (data as of 2 September 2019)

Country	Total Population in 2019 ¹	2018 (as of 2 September)		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	330	-	100%	100%	Jul-19	99%	11.5	-	98%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Austria	8 955 102	0.67	6	2	1	1	0	-	0	100%	100%	Jul-19	100%	-	100%	0%
Azerbaijan	10 047 718	0.00	0	0	0	0	0	3	-	100%	100%	Jul-19	100%	0.0	-	100%
Belarus ⁷	9 452 411	0.21	2	0	0	0	0	252	-	100%	100%	Jul-19	100%	2.7	-	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.90	3	2	0	0	2	-	0	100%	43%	Jul-19	-	-	-	-
Bulgaria	7 000 119	0.14	1	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	86%	71%	Jun-19	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
Czech Republic	10 689 209	0.19	2	0	0	0	0	-	-	100%	43%	Jul-19	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	8	-	100%	100%	Jul-19	100%	0.6	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	86%	Jul-19	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	0.00	0	7	4	0	3	18	0	100%	57%	Jul-19	84%	0.5	100%	92%
Germany	83 517 045	0.70	58	28	9	2	17	-	2	100%	86%	Jul-19	35%	-	61%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	86%	Jul-19	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	71%	Jul-19	-	-	-	-
Ireland	4 882 495	0.00	0	3	0	0	3	-	0	100%	100%	Jul-19	67%	-	67%	67%
Israel	8 519 377	0.24	2	0	0	0	0	-	-	100%	71%	Jul-19	-	-	-	-
Italy	60 550 075	0.35	21	15	8	1	6	12	3	100%	86%	Jul-19	88%	0.0	93%	0%
Kazakhstan	18 551 427	0.05	1	2	2	0	0	-	0	100%	100%	Jul-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	1.27	8	3	3	0	0	531	0	100%	100%	Jul-19	2%	8.3	100%	99%
Latvia	1 906 743	2.07	4	2	1	0	1	-	1	100%	100%	Jul-19	100%	-	100%	100%
Lithuania	2 759 627	0.36	1	0	0	0	0	-	-	100%	86%	Jul-19	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	100%	-	-	100%
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Montenegro	627 987	0.00	0	0	0	0	0	0	-	100%	43%	Jul-19	-	0.0	-	-
Netherlands	17 097 130	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	100%	57%	Jul-19	-	-	-	-
Norway	5 378 857	0.00	0	0	0	0	0	-	-	100%	57%	Jul-19	-	-	-	-
Poland	37 887 768	11.87	450	216	3	2	211	-	0	100%	100%	Jul-19	-	-	-	-
Portugal	10 226 187	0.49	5	1	0	0	1	7	0	100%	100%	Jul-19	75%	0.1	100%	88%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Jul-19	100%	0.0	-	100%
Romania	19 364 557	0.46	9	0	0	0	0	-	-	100%	86%	Jul-19	-	-	-	-
Russian Federation	145 872 256	0.04	6	20	20	0	0	0	4	100%	100%	Jul-19	100%	0.0	100%	35%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Jul-19	-	-	-	-
Spain	46 736 776	0.26	12	3	2	1	0	9	0	100%	100%	Jul-19	100%	0.0	0%	100%
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	100%	Jul-19	-	0.0	-	-
Switzerland	8 591 365	0.23	2	1	1	0	0	13	1	100%	100%	Jul-19	100%	0.2	100%	14%
Tajikistan	9 321 018	0.00	0	0	0	0	0	26	-	100%	100%	Jul-19	100%	0.3	-	92%
Turkey ⁷	83 429 615	0.27	22	30	30	0	0	4141	1	100%	57%	Jul-19	88%	5.0	17%	96%
Turkmenistan	5 942 089	0.00	0	0	0	0	0	28	-	100%	100%	Jul-19	100%	0.5	-	100%
Ukraine	43 993 638	5.31	235	100	17	0	83	-	0	100%	100%	Jul-19	-	-	-	-
United Kingdom	67 530 172	0.03	2	1	1	0	0	-	0	100%	100%	Jul-19	100%	-	100%	0%
Uzbekistan	32 981 716	0.00	0	1	1	0	0	0	0	100%	100%	Jul-19	100%	0.0	100%	100%
Region	930 166 592	0.92	852	437	103	7	327	5379	12	92%	83%		81%	1.1	65%	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—July 2019 (data as of 2 September 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	700	378 (54)	-	-	1	1 (100)	-	-	100%	86%	Jul-19
Andorra											No lab
Armenia	95	4 (4)	D8	0%	95	0 (0)	-	-	100%	71%	Jul-19
Austria	1386	118 (9)	B3,D8	100%	3388	0 (0)	-	-	100%	100%	Jul-19
Azerbaijan	381	304 (80)	B3	0%	91	8 (9)	-	-	100%	57%	Jul-19
Belarus	534	232 (43)	B3,D8	79%	296	0 (0)	-	-	100%	100%	Jul-19
Belgium	203	104 (51)	B3,D8	87%	23	3 (13)	-	-	29%	0%	Feb-19
Bosnia and Herzegovina	402	276 (69)	B3	83%	375	1 (0)	-	-	100%	100%	Jul-19
Bulgaria	1546	989 (64)	B3,D8	0%	392	0 (0)	-	-	100%	100%	Jul-19
Croatia	28	14 (50)	B3,D8	100%	2	0 (0)	-	-	86%	0%	Jun-19
Cyprus	113	5 (4)	-	-	182	1 (1)	-	-	71%	29%	May-19
Czech Republic	1256	661 (53)	-	-	408	64 (16)	-	-	100%	100%	Jul-19
Denmark	1111	65 (6)	B3,D8	62%	19	1 (5)	-	-	100%	100%	Jul-19
Estonia	490	46 (9)	D8	45%	238	1 (0)	-	-	100%	100%	Jul-19
Finland	158	32 (20)	D8	100%	159	1 (1)	-	-	100%	100%	Jul-19
France	1547	629 (41)	B3,D8,H1	7%	0	-	-	-	86%	14%	Jun-19
Georgia	2133	1661 (78)	D8	7%	325	26 (8)	-	-	100%	86%	Jul-19
Germany	-	-	B3,D8	14%	-	-	-	-	-	-	No report
Greece	-	-	B3,D8	67%	-	-	-	-	-	-	No report
Hungary	290	47 (16)	B3,D8	92%	102	0 (0)	-	-	100%	100%	Jul-19
Iceland	-	-	B3	0%	-	-	-	-	-	-	No report
Ireland	1211	84 (7)	D8	77%	1506	211 (14)	-	-	100%	100%	Jul-19
Israel	3320	894 (27)	D8	67%	3391	115 (3)	-	-	100%	86%	Jul-19
Italy	3586	2172 (61)	B3,D8	41%	1403	24 (2)	-	-	100%	86%	Jul-19
Kazakhstan	7553	6328 (84)	B3,D8	100%	1444	2 (0)	-	-	100%	86%	Jul-19
Kyrgyzstan	88	54 (61)	-	-	87	1 (1)	-	-	86%	86%	Jul-19
Latvia	171	10 (6)	D8	100%	191	4 (2)	-	-	100%	86%	Jul-19
Lithuania	3832	812 (21)	D8	0%	184	2 (1)	-	-	100%	100%	Jul-19
Luxembourg	406	2 (0)	D8	100%	0	-	-	-	100%	100%	Jul-19
Malta	122	45 (37)	D8	22%	321	0 (0)	-	-	86%	71%	Jun-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	65	23 (35)	D8	98%	52	0 (0)	-	-	71%	71%	May-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	29%	14%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	D8	39%	-	-	-	-	-	-	No report
Portugal	207	28 (14)	B3,D8	33%	9	1 (11)	-	-	100%	100%	Jul-19
Republic of Moldova	73	48 (66)	D8	0%	71	0 (0)	-	-	100%	100%	Jul-19
Romania	2027	1699 (84)	B3,D8	100%	310	0 (0)	-	-	100%	71%	Jul-19
Russian Federation	7057	3534 (50)	B3,D8	23%	5330	73 (1)	2B,1E	78%	100%	100%	Jul-19
San Marino											No lab
Serbia	65	17 (26)	B3,D8	20%	65	1 (2)	-	-	100%	100%	Jul-19
Slovakia	124	88 (71)	B3	0%	7	0 (0)	-	-	100%	100%	Jul-19
Slovenia	224	44 (20)	B3,D8	84%	190	2 (1)	-	-	100%	100%	Jul-19
Spain	-	-	B3,D8	39%	-	-	-	-	-	-	No report
Sweden	977	48 (5)	B3,D8	100%	1116	4 (0)	-	-	100%	86%	Jul-19
Switzerland	461	226 (49)	B3,D8	96%	2	2 (100)	-	-	100%	86%	Jul-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	57%	57%	Apr-19
Turkey	10065	2678 (27)	B3	54%	7622	88 (1)	-	-	86%	71%	Jun-19
Turkmenistan	54	0 (0)	-	-	54	0 (0)	-	-	100%	100%	Jul-19
Ukraine	1185	622 (52)	D8	0%	657	21 (3)	-	-	100%	100%	Jul-19
United Kingdom	2868	565 (20)	B3,D8	40%	433	1 (0)	-	-	100%	100%	Jul-19
Uzbekistan	543	331 (61)	B3,D8	0%	543	1 (0)	-	-	100%	71%	Jul-19
Region	59091	26106 (44)	-	41%	31121	660 (2)	-	78%	75%	65%	

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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