

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 October 2018—September 2019 (data as of 31 October 2019)

Country	Total Population in 2019 ¹	Incidence Rate October 2018–September 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	
Albania	2 880 917	195.08	562	20	34	27	73	64	138	110	72	18	2	4	0	Sep-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Armenia	2 957 731	2.03	6	0	0	1	0	2	2	0	0	0	0	0	1	Sep-19
Austria	8 955 102	16.64	149	0	4	1	25	33	1	32	35	6	7	4	1	Sep-19
Azerbaijan	10 047 718	33.04	332	0	24	47	131	79	19	20	9	3	0	0	0	Sep-19
Belarus	9 452 411	21.37	202	2	5	5	14	19	18	20	66	37	15	1	0	Sep-19
Belgium	11 539 328	36.66	423	4	6	6	18	85	66	33	93	63	24	14	11	Sep-19
Bosnia and Herzegovina	3 301 000	423.81	1399	0	0	0	2	34	291	430	376	186	58	19	3	Sep-19
Bulgaria	7 000 119	167.85	1175	0	0	0	2	65	229	278	263	214	76	35	13	Sep-19
Croatia	4 130 304	9.20	38	0	0	0	0	1	0	0	4	6	10	4	13	Sep-19
Cyprus	1 198 575	5.01	6	0	0	0	1	0	0	3	1	1	0	0	0	Sep-19
Czech Republic	10 689 209	58.66	627	6	20	27	68	167	182	88	34	23	9	3	0	Sep-19
Denmark	5 771 876	2.77	16	0	0	1	2	3	6	2	1	1	0	0	0	Sep-19
Estonia	1 325 648	19.61	26	0	0	0	4	5	2	0	6	7	1	1	0	Sep-19
Finland	5 532 156	2.89	16	0	2	6	3	3	0	2	0	0	0	0	0	Sep-19
France	65 129 728	41.46	2700	76	62	61	122	209	320	343	557	471	313	110	56	Sep-19
Georgia	3 996 765	1178.45	4710	105	219	482	1096	1029	792	540	280	136	26	4	1	Sep-19
Germany	83 517 045	6.06	506	8	9	17	109	80	126	66	38	20	18	15	-	Aug-19
Greece	10 473 455	3.91	41	0	0	1	1	5	5	12	5	0	0	6	6	Sep-19
Hungary	9 684 679	2.48	24	0	0	1	2	5	4	2	9	0	1	0	0	Sep-19
Iceland	339 031	23.60	8	0	0	0	0	3	4	0	0	0	1	0	0	Sep-19
Ireland	4 882 495	14.34	70	1	1	1	6	17	21	4	10	3	2	1	3	Sep-19
Israel	8 519 377	404.02	3442	966	901	579	296	166	247	201	55	24	4	3	0	Sep-19
Italy	60 550 075	29.93	1812	83	58	76	180	173	229	310	237	218	151	78	19	Sep-19
Kazakhstan	18 551 427	576.56	10696	8	106	456	1516	1898	1918	1442	1127	954	586	402	283	Sep-19
Kyrgyzstan	6 415 850	442.50	2839	115	173	323	542	542	562	373	101	51	24	18	15	Sep-19
Latvia	1 906 743	2.62	5	1	0	2	0	0	0	0	0	1	1	0	0	Sep-19
Lithuania	2 759 627	310.55	857	0	15	16	23	131	395	176	74	14	13	0	0	Sep-19
Luxembourg	615 729	38.98	24	0	1	0	0	0	18	4	1	0	0	0	0	Sep-19
Malta	440 372	70.40	31	0	0	0	0	0	3	13	11	3	1	0	0	Sep-19
Monaco	38 964	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Montenegro	627 987	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Aug-19
Netherlands	17 097 130	4.56	78	0	0	2	4	4	10	2	13	16	10	15	2	Sep-19
North Macedonia	2 083 459	912.90	1902	1	5	13	146	275	356	428	467	166	31	12	2	Sep-19
Norway	5 378 857	3.16	17	0	0	0	0	1	7	4	2	1	0	2	0	Sep-19
Poland	37 887 768	41.73	1581	34	88	147	184	250	200	256	244	123	41	9	5	Sep-19
Portugal	10 226 187	4.60	47	2	24	12	2	2	2	0	2	1	0	0	0	Sep-19
Republic of Moldova	4 043 263	27.95	113	11	21	4	3	2	13	3	14	19	11	10	2	Sep-19
Romania	19 364 557	76.69	1485	65	81	130	261	77	188	110	148	123	110	80	112	Sep-19
Russian Federation	145 872 256	25.34	3697	54	63	59	388	638	611	520	661	455	156	72	20	Sep-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Serbia	8 772 235	6.50	57	23	12	7	1	1	1	3	8	1	0	0	0	Sep-19
Slovakia	5 457 013	77.33	422	22	39	49	41	44	84	87	37	7	5	7	0	Sep-19
Slovenia	2 078 654	9.62	20	1	0	0	0	0	0	6	8	3	1	1	0	Sep-19
Spain	46 736 776	5.48	256	4	1	6	11	11	23	67	74	28	12	12	7	Sep-19
Sweden	10 036 379	2.39	24	1	1	2	0	1	4	7	3	2	2	0	1	Sep-19
Switzerland	8 591 365	26.89	231	12	1	2	9	50	65	55	29	2	0	2	4	Sep-19
Tajikistan	9 321 018	0.64	6	0	0	0	0	1	0	1	4	0	0	0	0	Sep-19
Turkey	83 429 615	32.84	2740	24	24	26	53	294	544	591	605	306	158	76	39	Sep-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Ukraine	43 993 638	1789.08	78708	3808	7916	10182	13760	11559	8869	8686	7929	3443	1447	737	372	Sep-19
United Kingdom	67 530 172	12.20	824	21	26	11	81	80	109	118	128	115	85	41	9	Sep-19
Uzbekistan	32 981 716	59.85	1974	0	0	11	108	120	270	426	272	299	271	161	36	Sep-19
Region	930 166 592	136.45	126924	5478	9942	12799	19288	18228	16954	15874	14113	7570	3683	1959	1036	

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 October 2018—September 2019 (data as of 31 October 2019)

Country	Total Population in 2019 ¹	Incidence Rate October 2018–September 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	
Albania	2 880 917	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Andorra	77 142	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Armenia	2 957 731	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Austria	8 955 102	0.22	2	0	0	0	0	1	0	0	0	1	0	0	0	Sep-19
Azerbaijan	10 047 718	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Belarus	9 452 411	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Belgium ²	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	1.21	4	0	1	0	0	0	1	0	1	0	0	1	0	Sep-19
Bulgaria	7 000 119	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Croatia	4 130 304	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Cyprus	1 198 575	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Czech Republic	10 689 209	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-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	Sep-19
Finland	5 532 156	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
France ²	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	2.00	8	0	0	0	3	1	0	1	0	1	1	0	1	Sep-19
Germany	83 517 045	0.65	54	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	Sep-19
Hungary	9 684 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Iceland	339 031	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Ireland	4 882 495	0.61	3	0	0	0	0	0	1	2	0	0	0	0	0	Sep-19
Israel	8 519 377	0.12	1	1	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Italy	60 550 075	0.31	19	0	1	0	2	2	2	0	4	5	0	1	2	Sep-19
Kazakhstan	18 551 427	0.32	6	1	0	0	1	1	0	0	0	0	0	0	3	Sep-19
Kyrgyzstan	6 415 850	0.47	3	0	0	0	0	0	2	1	0	0	0	0	0	Sep-19
Latvia	1 906 743	1.57	3	0	0	1	1	0	0	1	0	0	0	0	0	Sep-19
Lithuania	2 759 627	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Luxembourg	615 729	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Malta	440 372	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Monaco	38 964	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Montenegro	627 987	0.00	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	Sep-19
North Macedonia	2 083 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Norway	5 378 857	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Poland	37 887 768	8.47	321	25	24	22	43	22	36	29	37	21	27	24	11	Sep-19
Portugal	10 226 187	0.10	1	0	0	0	1	0	0	0	0	0	0	0	0	Sep-19
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Romania	19 364 557	0.05	1	0	1	0	0	0	0	0	0	0	0	0	0	Sep-19
Russian Federation	145 872 256	0.17	25	0	1	1	1	9	2	5	3	1	2	0	0	Sep-19
San Marino	33 860	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-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	Sep-19
Slovenia	2 078 654	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Spain	46 736 776	0.26	12	0	0	9	3	0	0	0	0	0	0	0	0	Sep-19
Sweden	10 036 379	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Switzerland	8 591 365	0.12	1	0	0	0	0	0	0	0	0	1	0	0	0	Sep-19
Tajikistan	9 321 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Turkey	83 429 615	0.54	45	3	4	0	0	3	3	9	9	4	2	5	3	Sep-19
Turkmenistan	5 942 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-19
Ukraine	43 993 638	3.66	161	9	12	13	17	32	14	17	12	2	6	15	12	Sep-19
United Kingdom	67 530 172	0.01	1	0	0	0	0	1	0	0	0	0	0	0	0	Sep-19
Uzbekistan	32 981 716	0.03	1	0	0	0	0	0	0	1	0	0	0	0	0	Sep-19
Region	930 166 592	0.72	672	43	46	50	75	77	68	70	71	41	48	51	32	

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—September 2019 (data as of 31 October 2019)

Country	Total Population in 2019 ¹	2018 (as of 31 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	342	22	2	100%	89%	Sep-19	87%	11.9	100%	99%
Andorra	77 142	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Sep-19	-	0.0	-	-
Armenia	2 957 731	6.44	19	0	5	5	0	0	99	4	0	100%	100%	Sep-19	100%	3.3	100%	100%
Austria	8 955 102	8.66	77	0	144	133	11	0	60	15	0	100%	100%	Sep-19	81%	0.7	99%	10%
Azerbaijan	10 047 718	7.14	71	0	261	240	21	0	49	1	0	100%	100%	Sep-19	99%	0.5	99%	98%
Belarus ⁷	9 452 411	24.97	236	0	190	190	0	0	301	0	0	100%	100%	Sep-19	100%	3.2	0%	0%
Belgium	11 539 328	10.19	117	0	407	338	38	31	-	0	0	100%	100%	Sep-19	-	-	-	-
Bosnia and Herzegovina	3 301 000	26.78	89	0	1399	179	0	1220	-	0	0	100%	33%	Sep-19	-	-	-	-
Bulgaria	7 000 119	1.84	13	0	1175	1064	66	45	-	7	0	100%	100%	Sep-19	96%	-	2%	100%
Croatia	4 130 304	5.53	23	0	38	38	0	0	0	10	0	100%	100%	Sep-19	100%	0.0	89%	0%
Cyprus	1 198 575	11.77	14	0	6	5	1	0	-	1	0	100%	100%	Sep-19	100%	-	100%	0%
Czech Republic	10 689 209	20.35	217	0	574	494	40	40	-	15	0	100%	100%	Sep-19	95%	-	94%	0%
Denmark	5 771 876	1.39	8	0	15	15	0	0	-	4	0	100%	100%	Sep-19	100%	-	93%	0%
Estonia	1 325 648	7.56	10	0	26	25	0	1	108	12	0	100%	100%	Sep-19	99%	8.1	100%	100%
Finland	5 532 156	2.72	15	0	8	8	0	0	-	6	0	100%	89%	Sep-19	100%	-	88%	0%
France	65 129 728	44.91	2919	4	2501	1504	379	618	-	153	2	100%	100%	Sep-19	87%	-	86%	0%
Georgia	3 996 765	550.35	2203	3	3904	2548	123	1233	449	3	2	100%	89%	Sep-19	71%	11.2	99%	96%
Germany	83 517 045	6.52	542	0	472	370	75	27	-	66	0	89%	78%	Aug-19	93%	-	66%	0%
Greece	10 473 455	208.42	2193	2	40	25	1	14	2	17	0	100%	100%	Sep-19	66%	0.0	100%	0%
Hungary	9 684 679	1.44	14	0	23	23	0	0	0	10	1	100%	100%	Sep-19	100%	0.0	91%	100%
Iceland	339 031	0.00	0	-	8	8	0	0	-	2	0	100%	100%	Sep-19	100%	-	100%	100%
Ireland	4 882 495	16.19	78	0	67	35	6	26	-	9	0	100%	100%	Sep-19	85%	-	66%	67%
Israel	8 519 377	377.02	3160	0	996	611	297	88	-	0	0	100%	78%	Sep-19	87%	-	0%	50%
Italy	60 550 075	44.30	2686	9	1595	1392	82	121	253	77	1	100%	89%	Sep-19	95%	0.4	84%	0%
Kazakhstan	18 551 427	31.44	576	0	10126	6879	2585	662	-	0	0	100%	100%	Sep-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	175.13	1104	2	2228	54	1238	936	577	0	0	100%	100%	Sep-19	4%	9.0	99%	99%
Latvia	1 906 743	10.89	21	0	2	2	0	0	-	2	0	100%	100%	Sep-19	100%	-	100%	100%
Lithuania	2 759 627	11.78	33	0	826	826	0	0	-	15	0	100%	89%	Sep-19	100%	-	100%	68%
Luxembourg	615 729	6.62	4	0	23	23	0	0	24	3	0	100%	100%	Sep-19	100%	3.9	96%	100%
Malta	440 372	11.38	5	0	31	31	0	0	-	0	0	100%	100%	Sep-19	100%	-	100%	0%
Monaco	38 964	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Sep-19	-	0.0	-	-
Montenegro	627 987	323.35	203	0	0	0	0	0	29	-	-	89%	33%	Aug-19	100%	4.6	-	97%
Netherlands	17 097 130	1.41	24	0	76	63	13	0	-	19	0	100%	100%	Sep-19	87%	-	76%	0%
North Macedonia	2 083 459	30.73	64	0	1883	647	689	547	-	0	5	100%	56%	Sep-19	-	-	-	-
Norway	5 378 857	2.25	12	0	17	14	3	0	-	8	0	100%	78%	Sep-19	100%	-	88%	100%
Poland	37 887 768	10.31	391	0	1312	901	102	309	-	0	0	100%	100%	Sep-19	-	-	-	-
Portugal	10 226 187	16.67	171	0	9	9	0	0	61	5	0	100%	100%	Sep-19	97%	0.6	56%	91%
Republic of Moldova	4 043 263	83.91	340	0	77	58	19	0	27	23	0	100%	100%	Sep-19	100%	0.7	99%	98%
Romania	19 364 557	327.95	6397	22	1209	936	248	25	-	2	5	100%	100%	Sep-19	98%	-	100%	99%
Russian Federation	145 872 256	15.71	2290	1	3521	3290	225	6	3131	197	0	100%	100%	Sep-19	100%	2.1	100%	45%
San Marino	33 860	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Sep-19	-	0.0	-	-
Serbia	8 772 235	576.64	5076	14	15	13	0	2	-	0	0	100%	89%	Sep-19	-	-	-	-
Slovakia	5 457 013	104.90	572	0	312	267	41	4	13	8	0	100%	100%	Sep-19	100%	0.2	100%	100%
Slovenia	2 078 654	4.33	9	0	19	19	0	0	-	13	0	100%	100%	Sep-19	100%	-	89%	100%
Spain	46 736 776	4.84	226	0	245	226	11	8	245	37	0	100%	100%	Sep-19	99%	0.5	100%	92%
Sweden	10 036 379	3.81	38	0	20	19	1	0	-	12	0	100%	100%	Sep-19	100%	-	95%	0%
Switzerland	8 591 365	5.98	51	0	216	168	44	4	264	38	1	100%	100%	Sep-19	99%	3.1	85%	43%
Tajikistan	9 321 018	0.00	0	-	6	6	0	0	66	0	0	100%	100%	Sep-19	100%	0.7	100%	96%
Turkey ⁷	83 429 615	8.70	716	0	2666	2179	487	0	4771	17	3	100%	67%	Sep-19	100%	5.7	7%	96%
Turkmenistan	5 942 089	0.00	0	-	0	0	0	0	45	-	-	100%	100%	Sep-19	100%	0.8	-	98%
Ukraine	43 993 638	1202.77	53218	15	56802	6394	0	50408	-	0	20	100%	100%	Sep-19	-	-	-	-
United Kingdom	67 530 172	14.19	953	0	766	765	1	0	-	106	1	100%	100%	Sep-19	100%	-	99%	3%
Uzbekistan	32 981 716	0.86	28	0	1963	396	0	1567	232	0	1	100%	100%	Sep-19	29%	0.7	26%	100%
Region	930 166 592	95.69	88692	75	98705	33813	6847	58045	11148	939	44	100%	94%		85%	2.3	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—September 2019 (data as of 31 October 2019)

Country	Total Population in 2019 ¹	2018 (as of 31 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	342	-	100%	100%	Sep-19	99%	11.9	-	99%
Andorra	77 142	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Armenia	2 957 731	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Austria	8 955 102	0.67	6	2	1	1	0	-	0	100%	100%	Sep-19	100%	-	100%	0%
Azerbaijan	10 047 718	0.00	0	0	0	0	0	6	-	100%	100%	Sep-19	100%	0.1	-	100%
Belarus ⁷	9 452 411	0.21	2	0	0	0	0	300	-	100%	100%	Sep-19	100%	3.2	-	0%
Belgium ⁸	11 539 328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 301 000	0.90	3	3	0	0	3	-	0	100%	33%	Sep-19	-	-	-	-
Bulgaria	7 000 119	0.14	1	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
Croatia	4 130 304	0.00	0	0	0	0	0	-	-	100%	67%	Sep-19	-	-	-	-
Cyprus	1 198 575	0.00	0	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
Czech Republic	10 689 209	0.19	2	0	0	0	0	-	-	100%	33%	Sep-19	-	-	-	-
Denmark ⁸	5 771 876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 325 648	0.00	0	0	0	0	0	11	-	100%	100%	Sep-19	100%	0.8	-	100%
Finland	5 532 156	0.00	0	0	0	0	0	-	-	100%	89%	Sep-19	-	-	-	-
France ⁸	65 129 728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 996 765	0.00	0	8	4	0	4	25	0	100%	89%	Sep-19	82%	0.6	100%	94%
Germany	83 517 045	0.70	58	44	12	2	30	-	3	89%	78%	Aug-19	26%	-	59%	0%
Greece	10 473 455	0.00	0	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
Hungary	9 684 679	0.00	0	0	0	0	0	0	-	100%	89%	Sep-19	-	0.0	-	-
Iceland	339 031	0.00	0	0	0	0	0	-	-	100%	78%	Sep-19	-	-	-	-
Ireland	4 882 495	0.00	0	3	0	0	3	-	0	100%	100%	Sep-19	67%	-	67%	67%
Israel	8 519 377	0.24	2	0	0	0	0	-	-	100%	78%	Sep-19	-	-	-	-
Italy	60 550 075	0.33	20	18	9	0	9	12	3	100%	89%	Sep-19	87%	0.0	94%	0%
Kazakhstan	18 551 427	0.05	1	5	5	0	0	-	0	100%	100%	Sep-19	-	-	-	-
Kyrgyzstan ⁷	6 415 850	1.27	8	3	3	0	0	577	0	100%	100%	Sep-19	2%	9.0	100%	99%
Latvia	1 906 743	2.07	4	2	1	0	1	-	1	100%	100%	Sep-19	100%	-	100%	100%
Lithuania	2 759 627	0.36	1	0	0	0	0	-	-	100%	89%	Sep-19	-	-	-	-
Luxembourg	615 729	0.00	0	0	0	0	0	1	-	100%	100%	Sep-19	100%	0.2	-	100%
Malta	440 372	0.00	0	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
Monaco	38 964	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Montenegro	627 987	0.00	0	0	0	0	0	0	-	89%	44%	Aug-19	-	0.0	-	-
Netherlands	17 097 130	0.00	0	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
North Macedonia	2 083 459	0.00	0	0	0	0	0	-	-	100%	67%	Sep-19	-	-	-	-
Norway	5 378 857	0.00	0	0	0	0	0	-	-	100%	67%	Sep-19	-	-	-	-
Poland	37 887 768	11.52	437	250	4	2	244	-	0	100%	100%	Sep-19	-	-	-	-
Portugal	10 226 187	0.49	5	1	0	0	1	8	0	100%	100%	Sep-19	78%	0.1	100%	89%
Republic of Moldova	4 043 263	0.00	0	0	0	0	0	1	-	100%	100%	Sep-19	100%	0.0	-	100%
Romania	19 364 557	0.46	9	0	0	0	0	-	-	100%	89%	Sep-19	-	-	-	-
Russian Federation	145 872 256	0.04	6	23	23	0	0	0	4	100%	100%	Sep-19	100%	0.0	100%	43%
San Marino	33 860	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Serbia	8 772 235	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 457 013	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Slovenia	2 078 654	0.00	0	0	0	0	0	-	-	100%	100%	Sep-19	-	-	-	-
Spain	46 736 776	0.26	12	3	2	1	0	10	0	100%	100%	Sep-19	100%	0.0	0%	100%
Sweden	10 036 379	0.00	0	0	0	0	0	0	-	100%	100%	Sep-19	-	0.0	-	-
Switzerland	8 591 365	0.23	2	1	1	0	0	19	1	100%	100%	Sep-19	100%	0.2	100%	5%
Tajikistan	9 321 018	0.00	0	0	0	0	0	27	-	100%	100%	Sep-19	100%	0.3	-	93%
Turkey ⁷	83 429 615	0.27	22	38	38	0	0	4771	2	100%	67%	Sep-19	87%	5.7	21%	96%
Turkmenistan	5 942 089	0.00	0	0	0	0	0	38	-	100%	100%	Sep-19	100%	0.6	-	100%
Ukraine	43 993 638	5.31	235	127	19	0	108	-	0	100%	100%	Sep-19	-	-	-	-
United Kingdom	67 530 172	0.03	2	1	1	0	0	-	0	100%	100%	Sep-19	100%	-	100%	0%
Uzbekistan	32 981 716	0.00	0	1	1	0	0	0	0	100%	100%	Sep-19	100%	0.0	100%	100%
Region	930 166 592	0.90	838	533	124	6	403	6148	14	92%	84%		80%	1.3	64%	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—September 2019 (data as of 31 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	718	381 (53)	B3	0%	1	1 (100)	-	-	100%	89%	Sep-19
Andorra											No lab
Armenia	101	4 (4)	D8	0%	101	0 (0)	-	-	89%	67%	Aug-19
Austria	1633	126 (8)	B3,D8	100%	4864	0 (0)	-	-	100%	100%	Sep-19
Azerbaijan	383	304 (79)	B3	0%	100	8 (8)	-	-	100%	67%	Sep-19
Belarus	584	234 (40)	B3,D8	79%	344	0 (0)	-	-	100%	100%	Sep-19
Belgium	203	104 (51)	B3,D8	61%	23	3 (13)	-	-	22%	0%	Feb-19
Bosnia and Herzegovina	411	280 (68)	B3	83%	384	1 (0)	-	-	100%	100%	Sep-19
Bulgaria	1633	1052 (64)	B3,D8	0%	411	0 (0)	-	-	100%	100%	Sep-19
Croatia	28	14 (50)	B3,D8	100%	2	0 (0)	-	-	67%	0%	Jun-19
Cyprus	181	7 (4)	-	-	306	1 (0)	-	-	100%	33%	Sep-19
Czech Republic	1289	667 (52)	-	-	429	66 (15)	-	-	100%	100%	Sep-19
Denmark	1201	65 (5)	B3,D8	62%	24	2 (8)	-	-	100%	100%	Sep-19
Estonia	555	46 (8)	D8	45%	309	1 (0)	-	-	100%	100%	Sep-19
Finland	177	32 (18)	D8	100%	178	1 (1)	-	-	100%	100%	Sep-19
France	1835	739 (40)	B3,D8,H1	6%	0	-	-	-	89%	11%	Aug-19
Georgia	2165	1665 (77)	D8	7%	350	27 (8)	-	-	100%	78%	Sep-19
Germany	-	-	B3,D8	15%	-	-	-	-	-	-	No report
Greece	10	4 (40)	B3,D8	86%	0	-	-	-	89%	11%	Aug-19
Hungary	324	49 (15)	B3,D8	92%	121	0 (0)	-	-	100%	100%	Sep-19
Iceland	-	-	B3	0%	-	-	-	-	-	-	No report
Ireland	1415	94 (7)	B3,D8	81%	1918	432 (23)	-	-	100%	100%	Sep-19
Israel	3740	913 (24)	D8	25%	3873	150 (4)	-	-	100%	89%	Sep-19
Italy	4005	2351 (59)	B3,D8	35%	1710	85 (5)	-	-	100%	89%	Sep-19
Kazakhstan	7879	6588 (84)	B3,D8	100%	1468	5 (0)	-	-	100%	89%	Sep-19
Kyrgyzstan	95	59 (62)	-	-	94	1 (1)	-	-	89%	89%	Sep-19
Latvia	243	11 (5)	D8	100%	280	4 (1)	-	-	100%	89%	Sep-19
Lithuania	4046	816 (20)	D8	0%	188	2 (1)	-	-	100%	100%	Sep-19
Luxembourg	413	2 (0)	D8	100%	0	-	-	-	100%	100%	Sep-19
Malta	122	45 (37)	B3,D8	17%	321	0 (0)	-	-	67%	56%	Jun-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	93	36 (39)	D8	92%	77	0 (0)	-	-	67%	67%	Jun-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	22%	11%	Feb-19
Norway	33	27 (82)	B3,D8	100%	0	-	-	-	100%	11%	Sep-19
Poland	-	-	D8	37%	-	-	-	-	-	-	No report
Portugal	219	28 (13)	B3,D8	33%	9	1 (11)	-	-	89%	89%	Aug-19
Republic of Moldova	90	59 (66)	D8	0%	88	0 (0)	-	-	100%	100%	Sep-19
Romania	2363	1967 (83)	B3,D8	93%	371	0 (0)	-	-	100%	78%	Sep-19
Russian Federation	8159	3934 (48)	B3,D8	16%	5904	84 (1)	2B,1E	78%	100%	89%	Sep-19
San Marino											No lab
Serbia	66	17 (26)	B3,D8	20%	66	1 (2)	-	-	89%	89%	Aug-19
Slovakia	128	90 (70)	B3	0%	12	0 (0)	-	-	100%	100%	Sep-19
Slovenia	255	51 (20)	B3,D8	85%	218	3 (1)	-	-	100%	100%	Sep-19
Spain	-	-	B3,D8	32%	-	-	-	-	-	-	No report
Sweden	1247	54 (4)	B3,D8	100%	1481	5 (0)	-	-	100%	89%	Sep-19
Switzerland	494	234 (47)	B3,D8	96%	5	5 (100)	-	-	100%	89%	Sep-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	44%	44%	Apr-19
Turkey	12007	3063 (26)	B3	54%	9522	123 (1)	-	-	89%	67%	Aug-19
Turkmenistan	82	0 (0)	-	-	82	0 (0)	-	-	100%	100%	Sep-19
Ukraine	1365	706 (52)	B3,D8	0%	815	25 (3)	-	-	100%	100%	Sep-19
United Kingdom	3720	732 (20)	B3,D8	38%	584	1 (0)	-	-	89%	89%	Aug-19
Uzbekistan	683	432 (63)	B3,D8	0%	683	1 (0)	-	-	100%	78%	Sep-19
Region	66827	28271 (42)	-	35%	37753	1039 (3)	-	78%	77%	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.

