

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 June 2018—May 2019 (data as of 4 July 2019)

Country	Total Population in 2018 ¹	Incidence Rate Jun 2018–May 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	
Albania	2 934 363	255.25	749	134	45	13	17	20	34	27	73	64	138	110	74	May-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Armenia	2 934 152	2.04	6	0	0	0	1	0	0	1	0	2	2	0	0	May-19
Austria	8 751 820	16.57	145	6	1	3	6	0	4	1	25	33	1	32	33	May-19
Azerbaijan	9 923 914	33.15	329	0	0	0	0	0	24	47	131	79	19	20	9	May-19
Belarus	9 452 113	20.00	189	13	23	12	7	2	5	5	14	19	18	20	51	May-19
Belgium	11 498 519	34.79	400	22	3	11	14	4	8	7	18	85	66	34	128	May-19
Bosnia and Herzegovina	3 503 554	328.24	1150	13	4	0	0	0	0	0	2	34	291	430	376	May-19
Bulgaria	7 036 848	114.26	804	1	7	0	0	0	0	0	1	65	227	278	225	May-19
Croatia	4 164 783	5.52	23	16	3	1	0	0	0	0	0	1	0	0	2	May-19
Cyprus	1 189 085	4.20	5	0	0	0	0	0	0	0	1	0	0	3	1	May-19
Czech Republic	10 625 250	49.60	527	10	3	6	6	6	19	15	66	162	169	64	1	May-19
Denmark	5 754 356	3.30	19	0	0	2	2	0	0	1	2	3	6	2	1	May-19
Estonia	1 306 788	13.01	17	0	0	0	0	0	0	0	4	5	2	0	6	May-19
Finland	5 542 517	3.43	19	0	0	3	0	0	2	6	3	3	0	2	0	May-19
France	65 233 271	31.52	2056	191	81	29	38	76	61	54	123	208	313	339	543	May-19
Georgia	3 907 131	1285.85	5024	211	163	60	47	105	219	482	1096	1029	792	540	280	May-19
Germany	82 293 457	7.79	641	102	42	25	25	8	9	17	109	79	126	66	33	May-19
Greece	11 142 161	16.15	180	112	29	8	2	0	0	1	1	5	5	12	5	May-19
Hungary	9 688 847	2.06	20	0	0	0	0	0	0	1	2	5	4	2	6	May-19
Iceland	337 780	20.72	7	0	0	0	0	0	0	0	0	3	4	0	0	May-19
Ireland	4 803 748	17.90	86	1	7	15	2	1	1	1	6	17	21	4	10	May-19
Israel	8 452 841	474.52	4011	75	76	140	339	965	901	579	295	166	235	194	46	May-19
Italy	59 290 969	32.43	1923	317	147	79	56	83	58	76	180	171	227	306	223	May-19
Kazakhstan	18 403 860	460.56	8476	-	1	-	4	8	106	456	1516	1898	1918	1442	1127	May-19
Kyrgyzstan	6 132 932	486.23	2982	99	60	31	75	115	173	323	541	541	561	371	92	May-19
Latvia	1 929 938	2.59	5	0	1	1	0	1	0	2	0	0	0	0	0	May-19
Lithuania	2 876 475	244.05	702	1	0	1	0	0	15	16	22	115	347	139	46	May-19
Luxembourg	590 321	44.04	26	0	0	2	0	0	1	0	0	0	18	4	1	May-19
Malta	432 089	74.06	32	0	5	0	0	0	0	0	0	0	3	13	11	May-19
Monaco	38 897	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Montenegro	629 219	41.32	26	16	10	0	0	0	0	0	0	0	0	0	0	May-19
Netherlands	17 084 459	2.40	41	10	1	4	0	0	0	2	4	4	10	1	5	May-19
North Macedonia	2 085 051	656.58	1369	3	24	7	2	1	5	13	148	287	400	479	-	Apr-19
Norway	5 353 363	3.18	17	0	1	2	0	0	0	0	0	1	7	4	2	May-19
Poland	38 104 832	10.21	389	15	21	12	4	34	87	135	81	0	0	0	0	May-19
Portugal	10 291 196	5.54	57	3	1	3	3	2	24	12	2	2	2	0	3	May-19
Republic of Moldova	4 041 065	85.87	347	10	1	245	20	11	21	4	3	2	13	3	14	May-19
Romania	19 580 634	82.53	1616	111	285	92	72	65	81	130	261	75	188	108	148	May-19
Russian Federation	143 964 709	21.07	3034	296	167	172	77	54	63	57	333	631	582	422	180	May-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Serbia	8 762 027	34.92	306	170	49	16	15	23	12	7	1	1	1	3	8	May-19
Slovakia	5 449 816	153.58	837	83	263	63	26	22	39	49	41	44	84	87	36	May-19
Slovenia	2 081 260	8.65	18	3	0	0	0	1	0	0	0	0	0	6	8	May-19
Spain	46 397 452	5.06	235	24	14	7	4	4	1	6	11	11	23	67	63	May-19
Sweden	9 982 709	3.01	30	2	5	1	3	1	1	2	0	1	4	7	3	May-19
Switzerland	8 544 034	26.45	226	2	1	4	4	12	1	2	9	50	65	52	24	May-19
Tajikistan	9 107 211	0.66	6	0	0	0	0	0	0	0	0	1	0	1	4	May-19
Turkey	81 916 871	22.17	1816	70	87	64	53	24	24	26	52	293	546	577	0	May-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Ukraine	44 009 214	1950.34	85833	4882	3877	2517	1848	3808	7916	10182	13760	11559	8869	8686	7929	May-19
United Kingdom	66 573 504	10.57	704	100	82	54	16	21	26	11	79	75	95	93	52	May-19
Uzbekistan	32 364 996	8.87	287	7	7	0	1	0	0	6	9	17	80	122	38	May-19
Region	922 458 377	138.49	127747	7131	5597	3705	2789	5477	9941	12762	19025	17846	16482	15145	11847	

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, Serbia and Ukraine.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 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 June 2018—May 2019 (data as of 4 July 2019)

Country	Total Population in 2018 ¹	Incidence Rate Jun 2018–May 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	
Albania	2 934 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Austria	8 751 820	0.11	1	0	0	0	0	0	0	0	0	1	0	0	0	May-19
Azerbaijan	9 923 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Belarus	9 452 113	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Belgium ²	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	-	0	0	0	0	1	0	0	0	1	0	1	May-19
Bulgaria	7 036 848	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Croatia	4 164 783	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Cyprus	1 189 085	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Czech Republic	10 625 250	0.09	1	0	1	0	0	0	0	0	0	0	0	0	0	May-19
Denmark ²	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Finland	5 542 517	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
France ²	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	1.28	5	0	0	0	0	0	0	0	3	1	0	1	0	May-19
Germany	82 293 457	0.70	58	8	6	5	6	4	2	4	3	5	7	4	4	May-19
Greece	11 142 161	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	-	-	Mar-19
Ireland	4 803 748	0.62	3	0	0	0	0	0	0	0	0	0	1	2	0	May-19
Israel	8 452 841	0.12	1	0	0	0	0	1	0	0	0	0	0	0	0	May-19
Italy	59 290 969	0.34	20	2	3	1	2	0	2	0	2	2	2	0	4	May-19
Kazakhstan	18 403 860	0.16	3	-	0	-	0	1	0	0	1	1	0	0	0	May-19
Kyrgyzstan	6 132 932	0.65	4	1	0	0	0	0	0	0	0	0	2	1	0	May-19
Latvia	1 929 938	1.55	3	0	0	0	0	0	0	1	1	0	0	1	0	May-19
Lithuania	2 876 475	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Luxembourg	590 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Malta	432 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Monaco	38 897	0.00	0	-	-	-	-	-	0	0	0	0	0	0	0	May-19
Montenegro	629 219	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Apr-19
Netherlands	17 084 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
North Macedonia	2 085 051	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Apr-19
Norway	5 353 363	0.00	0	0	0	0	0	0	0	0	0	0	-	-	-	Feb-19
Poland	38 104 832	10.55	402	50	39	36	22	27	26	24	43	22	43	32	38	May-19
Portugal	10 291 196	0.49	5	2	0	1	1	0	0	0	1	0	0	0	0	May-19
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Romania	19 580 634	0.31	6	2	1	1	1	0	1	0	0	0	0	0	0	May-19
Russian Federation	143 964 709	0.13	19	1	0	0	1	0	1	1	1	9	2	0	3	May-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 449 816	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Slovenia	2 081 260	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Spain	46 397 452	0.28	13	1	0	0	0	0	0	9	3	0	0	0	0	May-19
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Switzerland	8 544 034	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Turkey	81 916 871	0.32	26	2	0	1	1	3	4	0	0	3	3	9	0	May-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-19
Ukraine	44 009 214	4.36	192	12	11	28	15	9	12	13	17	32	14	17	12	May-19
United Kingdom	66 573 504	0.02	1	0	0	0	1	0	0	0	0	0	0	0	0	May-19
Uzbekistan	32 364 996	0.03	1	0	0	0	0	0	0	0	0	0	0	1	0	May-19
Region	922 458 377	0.83	767	81	61	73	50	45	49	52	75	76	75	68	62	

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 2017 Revision.

² Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January—May 2019 (data as of 4 July 2019)

Country	Total Population in 2018 ¹	2018 (as of 04 July 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	2 934 363	499.60	1466	3	459	356	0	103	298	21	2	100%	100%	May-19	86%	10.2	100%	99%
Andorra	76 953	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-19	-	0.0	-	-
Armenia	2 934 152	6.48	19	0	4	4	0	0	69	3	0	100%	100%	May-19	100%	2.4	100%	100%
Austria	8 751 820	8.80	77	0	124	113	11	0	50	9	0	100%	100%	May-19	83%	0.6	99%	8%
Azerbaijan	9 923 914	7.15	71	0	258	236	21	1	41	1	0	100%	100%	May-19	98%	0.4	99%	98%
Belarus ⁷	9 452 113	24.97	236	0	122	122	0	0	154	0	0	100%	100%	May-19	100%	1.6	0%	0%
Belgium	11 498 519	10.44	120	0	331	232	36	63	-	0	0	100%	100%	May-19	-	-	-	-
Bosnia and Herzegovina	3 503 554	25.40	89	0	1133	140	0	993	-	0	0	100%	60%	May-19	-	-	-	-
Bulgaria	7 036 848	1.85	13	0	796	742	35	19	-	4	0	100%	100%	May-19	98%	-	1%	100%
Croatia	4 164 783	5.52	23	0	3	3	0	0	0	2	0	100%	100%	May-19	100%	0.0	67%	0%
Cyprus	1 189 085	11.77	14	0	5	4	1	0	-	1	0	100%	100%	May-19	100%	-	100%	0%
Czech Republic	10 625 250	19.20	204	0	462	386	38	38	-	1	0	100%	100%	May-19	94%	-	93%	0%
Denmark	5 754 356	1.39	8	0	14	14	0	0	-	4	0	100%	100%	May-19	100%	-	93%	0%
Estonia	1 306 788	7.65	10	0	17	17	0	0	44	10	0	100%	100%	May-19	100%	3.4	94%	100%
Finland	5 542 517	2.71	15	0	8	8	0	0	-	3	0	100%	100%	May-19	100%	-	38%	0%
France	65 233 271	44.66	2913	3	1526	870	240	416	-	111	0	100%	100%	May-19	88%	-	86%	0%
Georgia	3 907 131	563.84	2203	3	3737	2437	116	1184	375	3	2	100%	20%	May-19	71%	9.6	99%	96%
Germany	82 293 457	6.59	542	0	413	318	73	22	-	53	0	100%	80%	May-19	93%	-	64%	0%
Greece	11 142 161	196.82	2193	2	28	15	1	12	2	17	0	100%	100%	May-19	59%	0.0	86%	0%
Hungary	9 688 847	1.44	14	0	19	19	0	0	0	9	0	100%	100%	May-19	100%	0.0	63%	100%
Iceland	337 780	0.00	0	-	7	7	0	0	-	1	0	100%	100%	May-19	100%	-	100%	100%
Ireland	4 803 748	16.24	78	0	58	28	6	24	-	6	0	100%	100%	May-19	87%	-	67%	67%
Israel	8 452 841	373.60	3158	0	936	563	288	85	-	0	0	100%	60%	May-19	87%	-	0%	51%
Italy	59 290 969	45.30	2686	9	1107	958	52	97	143	53	1	100%	80%	May-19	93%	0.2	86%	0%
Kazakhstan	18 403 860	31.30	576	0	7901	5835	1786	280	-	0	0	100%	100%	May-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	180.01	1104	2	2106	34	1192	880	461	0	1	100%	100%	May-19	3%	7.5	99%	99%
Latvia	1 929 938	10.88	21	0	0	0	0	0	-	-	-	100%	100%	May-19	-	-	-	-
Lithuania	2 876 475	11.47	33	0	669	669	0	0	-	10	0	100%	80%	May-19	100%	-	100%	68%
Luxembourg	590 321	6.78	4	0	23	23	0	0	19	3	0	100%	100%	May-19	100%	3.2	96%	100%
Malta	432 089	11.57	5	0	27	27	0	0	-	0	0	100%	100%	May-19	100%	-	100%	0%
Monaco	38 897	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-19	-	0.0	-	-
Montenegro	629 219	322.62	203	0	0	0	0	0	19	-	-	100%	60%	May-19	100%	3.0	-	95%
Netherlands	17 084 459	1.40	24	0	24	24	0	0	-	8	0	100%	100%	May-19	67%	-	92%	0%
North Macedonia	2 085 051	30.69	64	0	1314	453	385	476	-	0	4	80%	40%	Apr-19	-	-	-	-
Norway	5 353 363	2.24	12	0	14	11	3	0	-	7	0	100%	80%	May-19	100%	-	93%	100%
Poland	38 104 832	9.89	377	0	81	60	8	13	-	15	0	100%	100%	May-19	82%	-	99%	100%
Portugal	10 291 196	16.62	171	0	9	8	0	1	41	5	0	100%	100%	May-19	96%	0.4	44%	100%
Republic of Moldova	4 041 065	84.14	340	0	35	31	4	0	15	18	0	100%	100%	May-19	100%	0.4	97%	98%
Romania	19 580 634	111.85	2190	22	780	621	140	19	-	1	1	100%	100%	May-19	97%	-	100%	98%
Russian Federation	143 964 709	15.89	2288	1	2148	2000	147	1	1365	131	0	100%	100%	May-19	100%	0.9	100%	52%
San Marino	33 557	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-19	-	0.0	-	-
Serbia	8 762 027	579.32	5076	14	14	13	0	1	-	0	0	100%	80%	May-19	-	-	-	-
Slovakia	5 449 816	104.96	572	0	292	247	41	4	13	5	0	100%	100%	May-19	100%	0.2	100%	100%
Slovenia	2 081 260	4.32	9	0	14	14	0	0	-	9	0	100%	100%	May-19	100%	-	71%	100%
Spain	46 397 452	4.87	226	0	175	158	9	8	115	17	0	100%	100%	May-19	100%	0.2	50%	91%
Sweden	9 982 709	3.81	38	0	15	14	1	0	-	7	0	100%	100%	May-19	100%	-	93%	0%
Switzerland	8 544 034	5.97	51	0	200	154	41	5	197	32	1	100%	100%	May-19	99%	2.3	86%	47%
Tajikistan	9 107 211	0.00	0	-	6	6	0	0	44	0	0	100%	100%	May-19	100%	0.5	100%	96%
Turkey ⁷	81 916 871	8.31	681	0	1468	1058	410	0	1996	9	1	100%	60%	May-19	100%	2.4	11%	97%
Turkmenistan	5 851 466	0.00	0	-	0	0	0	0	14	-	-	100%	100%	May-19	100%	0.2	-	100%
Ukraine	44 009 214	1209.25	53218	15	50803	5717	0	45086	-	0	18	100%	100%	May-19	-	-	-	-
United Kingdom	66 573 504	14.32	953	0	394	394	0	0	-	56	0	100%	100%	May-19	100%	-	100%	1%
Uzbekistan	32 364 996	0.71	23	0	266	266	0	0	178	266	0	100%	100%	May-19	100%	0.5	100%	100%
Region	922 458 377	91.51	84411	74	80345	25429	5085	49831	5653	911	31	100%	92%		86%	1.2	79%	69%

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, Serbia and Ukraine.

¹ Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 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—May 2019 (data as of 4 July 2019)

Country	Total Population in 2018 ¹	2018 (as of 04 July 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	2 934 363	0.00	0	0	0	0	0	298	-	100%	100%	May-19	100%	10.2	-	100%
Andorra	76 953	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Armenia	2 934 152	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Austria	8 751 820	0.69	6	1	1	0	0	-	0	100%	100%	May-19	100%	-	100%	0%
Azerbaijan	9 923 914	0.00	0	0	0	0	0	3	-	100%	100%	May-19	100%	0.0	-	100%
Belarus ⁷	9 452 113	0.21	2	0	0	0	0	154	-	100%	100%	May-19	100%	1.6	-	0%
Belgium ⁸	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	2	0	0	2	-	0	100%	60%	May-19	-	-	-	-
Bulgaria	7 036 848	0.14	1	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Croatia	4 164 783	0.00	0	0	0	0	0	-	-	100%	80%	May-19	-	-	-	-
Cyprus	1 189 085	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Czech Republic	10 625 250	0.19	2	0	0	0	0	-	-	100%	60%	May-19	-	-	-	-
Denmark ⁸	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	5	-	100%	100%	May-19	100%	0.4	-	100%
Finland	5 542 517	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
France ⁸	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.00	0	5	4	0	1	11	0	100%	60%	May-19	81%	0.3	100%	100%
Germany	82 293 457	0.70	58	23	8	2	13	-	2	100%	80%	May-19	38%	-	65%	0%
Greece	11 142 161	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Hungary	9 688 847	0.00	0	0	0	0	0	0	-	100%	80%	May-19	-	0.0	-	-
Iceland	337 780	0.00	0	0	0	0	0	-	-	60%	60%	Mar-19	-	-	-	-
Ireland	4 803 748	0.00	0	3	0	0	3	-	0	100%	100%	May-19	67%	-	67%	67%
Israel	8 452 841	0.24	2	0	0	0	0	-	-	100%	60%	May-19	-	-	-	-
Italy	59 290 969	0.35	21	10	5	0	5	9	2	100%	80%	May-19	89%	0.0	100%	0%
Kazakhstan	18 403 860	0.05	1	2	2	0	0	-	0	100%	100%	May-19	-	-	-	-
Kyrgyzstan ⁷	6 132 932	1.30	8	3	3	0	0	461	0	100%	100%	May-19	2%	7.5	100%	100%
Latvia	1 929 938	2.07	4	2	1	0	1	-	1	100%	100%	May-19	100%	-	100%	100%
Lithuania	2 876 475	0.35	1	0	0	0	0	-	-	100%	80%	May-19	-	-	-	-
Luxembourg	590 321	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Malta	432 089	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Monaco	38 897	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Montenegro	629 219	0.00	0	0	0	0	0	0	-	80%	60%	Apr-19	-	0.0	-	-
Netherlands	17 084 459	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
North Macedonia	2 085 051	0.00	0	0	0	0	0	-	-	80%	40%	Apr-19	-	-	-	-
Norway	5 353 363	0.00	0	0	0	0	0	-	-	40%	40%	Feb-19	-	-	-	-
Poland ⁹	38 104 832	11.81	450	178	2	3	173	-	0	100%	100%	May-19	-	-	-	-
Portugal	10 291 196	0.49	5	1	0	0	1	5	0	100%	100%	May-19	67%	0.0	100%	100%
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	1	-	100%	100%	May-19	100%	0.0	-	100%
Romania	19 580 634	0.46	9	0	0	0	0	-	-	100%	80%	May-19	-	-	-	-
Russian Federation	143 964 709	0.04	6	15	15	0	0	0	3	100%	100%	May-19	100%	0.0	100%	33%
San Marino	33 557	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 449 816	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Slovenia	2 081 260	0.00	0	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Spain	46 397 452	0.26	12	3	2	1	0	6	0	100%	100%	May-19	100%	0.0	0%	100%
Sweden	9 982 709	0.00	0	0	0	0	0	0	-	100%	100%	May-19	-	0.0	-	-
Switzerland	8 544 034	0.23	2	0	0	0	0	11	-	100%	100%	May-19	100%	0.1	-	9%
Tajikistan	9 107 211	0.00	0	0	0	0	0	15	-	100%	100%	May-19	100%	0.2	-	87%
Turkey ⁷	81 916 871	0.29	24	15	15	0	0	1996	1	100%	60%	May-19	99%	2.4	13%	99%
Turkmenistan	5 851 466	0.00	0	0	0	0	0	19	-	100%	100%	May-19	100%	0.3	-	100%
Ukraine	44 009 214	5.34	235	92	13	0	79	-	0	100%	100%	May-19	-	-	-	-
United Kingdom	66 573 504	0.03	2	0	0	0	0	-	-	100%	100%	May-19	-	-	-	-
Uzbekistan	32 364 996	0.00	0	1	1	0	0	0	1	100%	100%	May-19	100%	0.0	100%	100%
Region⁹	922 458 377	0.93	854	356	72	6	278	2994	10	90%	83%		88%	0.6	70%	93%

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 2017 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.

⁹ Classification of cases revised on 25 July 2019.

Table 5: Measles and rubella laboratory test results, January—May 2019 (data as of 4 July 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	590	309 (52)	-	-	1	1 (100)	-	-	80%	80%	Apr-19
Andorra											No lab
Armenia	59	4 (7)	D8	0%	59	0 (0)	-	-	100%	80%	May-19
Austria	1079	106 (10)	B3,D8	100%	2471	0 (0)	-	-	100%	100%	May-19
Azerbaijan	376	302 (80)	B3	0%	85	8 (9)	-	-	100%	40%	May-19
Belarus	360	166 (46)	B3,D8	79%	193	0 (0)	-	-	100%	100%	May-19
Belgium	203	104 (51)	B3,D8	87%	23	3 (13)	-	-	40%	0%	Feb-19
Bosnia and Herzegovina	333	229 (69)	B3	83%	307	1 (0)	-	-	100%	100%	May-19
Bulgaria	1150	691 (60)	-	-	347	0 (0)	-	-	100%	100%	May-19
Croatia	10	1 (10)	D8	100%	1	0 (0)	-	-	80%	0%	Apr-19
Cyprus	113	5 (4)	-	-	182	1 (1)	-	-	100%	40%	May-19
Czech Republic	1165	621 (53)	-	-	358	61 (17)	-	-	100%	100%	May-19
Denmark	1017	54 (5)	B3,D8	58%	14	1 (7)	-	-	100%	100%	May-19
Estonia	287	28 (10)	D8,H1	100%	150	1 (1)	-	-	100%	100%	May-19
Finland	145	32 (22)	D8	100%	145	1 (1)	-	-	100%	100%	May-19
France	665	262 (39)	B3,D8,H1	6%	0	-	-	-	60%	0%	Mar-19
Georgia	2002	1584 (79)	D8	7%	290	5 (2)	-	-	100%	100%	May-19
Germany	-	-	B3,D8	38%	-	-	-	-	-	-	No report
Greece	-	-	B3	100%	-	-	-	-	-	-	No report
Hungary	221	43 (19)	B3,D8	92%	67	0 (0)	-	-	100%	100%	May-19
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	970	74 (8)	D8	74%	1090	211 (19)	-	-	100%	100%	May-19
Israel	2673	815 (30)	D8	100%	2692	87 (3)	-	-	100%	80%	May-19
Italy	2779	1690 (61)	B3,D8	66%	1078	15 (1)	-	-	100%	100%	May-19
Kazakhstan	6787	5705 (84)	B3,D8	100%	1217	2 (0)	-	-	100%	100%	May-19
Kyrgyzstan	64	41 (64)	-	-	63	1 (2)	-	-	100%	80%	May-19
Latvia	133	3 (2)	D8	100%	141	3 (2)	-	-	100%	80%	May-19
Lithuania	2962	747 (25)	-	-	170	0 (0)	-	-	100%	100%	May-19
Luxembourg	332	2 (1)	D8	100%	0	-	-	-	100%	100%	May-19
Malta	113	43 (38)	D8	22%	264	0 (0)	-	-	100%	80%	May-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	58	20 (34)	D8	100%	45	0 (0)	-	-	100%	100%	May-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	40%	20%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	D8	59%	-	-	-	-	-	-	No report
Portugal	152	24 (16)	B3,D8	20%	8	0 (0)	-	-	100%	100%	May-19
Republic of Moldova	37	20 (54)	D8	0%	35	0 (0)	-	-	100%	100%	May-19
Romania	1499	1245 (83)	B3,D8	100%	242	0 (0)	-	-	100%	80%	May-19
Russian Federation	5362	2730 (51)	B3,D8	25%	4033	60 (1)	2B	80%	100%	100%	May-19
San Marino											No lab
Serbia	55	17 (31)	B3,D8	50%	55	1 (2)	-	-	100%	100%	May-19
Slovakia	113	81 (72)	-	-	1	0 (0)	-	-	100%	100%	May-19
Slovenia	158	32 (20)	B3,D8	100%	134	2 (1)	-	-	100%	100%	May-19
Spain	-	-	B3,D8	73%	-	-	-	-	-	-	No report
Sweden	720	29 (4)	B3,D8	100%	726	2 (0)	-	-	100%	100%	May-19
Switzerland	416	217 (52)	B3,D8	99%	2	2 (100)	-	-	100%	80%	May-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	80%	80%	Apr-19
Turkey	8366	2243 (27)	-	-	6640	78 (1)	-	-	100%	80%	May-19
Turkmenistan	35	0 (0)	-	-	35	0 (0)	-	-	100%	100%	May-19
Ukraine	989	522 (53)	D8	0%	489	15 (3)	-	-	100%	100%	May-19
United Kingdom	1910	360 (19)	B3,D8	34%	328	0 (0)	-	-	100%	100%	May-19
Uzbekistan	454	268 (59)	-	-	454	1 (0)	-	-	100%	80%	May-19
Region	47346	21658 (46)	-	54%	24672	563 (2)	-	80%	77%	68%	

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.

