

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 July 2018—June 2019 (data as of 30 July 2019)**

Country	Total Population in 2018 <sup>1</sup>	Incidence Rate July 2018–June 2019 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	
Albania	2 934 363	215.04	631	45	13	17	20	34	27	73	64	138	110	72	18	Jun-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Armenia	2 934 152	2.04	6	0	0	1	0	0	1	0	2	2	0	0	0	Jun-19
Austria	8 751 820	16.80	147	1	3	6	0	4	1	25	33	1	32	35	6	Jun-19
Azerbaijan	9 923 914	33.35	331	0	0	0	0	24	47	131	79	19	20	9	2	Jun-19
Belarus	9 452 113	22.32	211	23	12	7	2	5	5	14	19	18	20	66	20	Jun-19
Belgium	11 498 519	35.48	408	3	11	14	4	8	7	18	85	66	34	96	62	Jun-19
Bosnia and Herzegovina	3 503 554	377.62	1323	4	0	0	0	0	0	2	34	291	430	376	186	Jun-19
Bulgaria	7 036 848	147.65	1039	7	0	0	0	0	0	2	65	229	278	263	195	Jun-19
Croatia	4 164 783	3.36	14	3	1	0	0	0	0	0	1	0	0	4	5	Jun-19
Cyprus	1 189 085	5.05	6	0	0	0	0	0	0	1	0	0	3	1	1	Jun-19
Czech Republic	10 625 250	59.29	630	3	6	6	6	20	27	68	168	182	89	34	21	Jun-19
Denmark	5 754 356	3.48	20	0	2	2	0	0	1	2	3	6	2	1	1	Jun-19
Estonia	1 306 788	18.37	24	0	0	0	0	0	0	4	5	2	0	6	7	Jun-19
Finland	5 542 517	3.43	19	0	3	0	0	2	6	3	3	0	2	0	-	May-19
France	65 233 271	36.30	2368	81	29	38	76	61	54	123	208	320	340	568	470	Jun-19
Georgia	3 907 131	1266.91	4950	163	60	47	105	219	482	1096	1029	792	540	280	137	Jun-19
Germany	82 293 457	6.79	559	42	25	25	8	9	17	109	80	126	66	38	14	Jun-19
Greece	11 142 161	6.10	68	29	8	2	0	0	1	1	5	5	12	5	0	Jun-19
Hungary	9 688 847	2.37	23	0	0	0	0	0	1	2	5	4	2	9	0	Jun-19
Iceland	337 780	20.72	7	0	0	0	0	0	0	0	3	4	0	0	0	Jun-19
Ireland	4 803 748	18.11	87	7	15	2	1	1	1	6	17	21	4	10	2	Jun-19
Israel	8 452 841	471.08	3982	76	140	339	966	901	579	295	166	241	201	54	24	Jun-19
Italy	59 290 969	30.88	1831	147	79	56	83	58	76	180	172	230	308	229	213	Jun-19
Kazakhstan	18 403 860	512.39	9430	1	-	4	8	106	456	1516	1898	1918	1442	1127	954	Jun-19
Kyrgyzstan	6 132 932	477.42	2928	60	31	75	115	173	323	541	541	561	371	99	38	Jun-19
Latvia	1 929 938	3.11	6	1	1	0	1	0	2	0	0	0	0	0	1	Jun-19
Lithuania	2 876 475	264.56	761	0	1	0	0	15	16	22	125	366	152	57	7	Jun-19
Luxembourg	590 321	44.04	26	0	2	0	0	1	0	0	0	18	4	1	0	Jun-19
Malta	432 089	81.00	35	5	0	0	0	0	0	0	0	3	13	11	3	Jun-19
Monaco	38 897	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Montenegro	629 219	15.89	10	10	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Netherlands	17 084 459	2.81	48	1	4	0	0	0	2	4	4	10	2	11	10	Jun-19
North Macedonia	2 085 051	904.05	1885	24	7	2	1	5	13	146	275	356	428	463	165	Jun-19
Norway	5 353 363	3.18	17	1	2	0	0	0	0	0	1	7	4	2	-	May-19
Poland	38 104 832	37.82	1441	21	12	4	34	87	135	81	246	281	220	197	123	Jun-19
Portugal	10 291 196	5.34	55	1	3	3	2	24	12	2	2	2	0	2	2	Jun-19
Republic of Moldova	4 041 065	85.87	347	1	245	20	11	21	4	3	2	13	3	14	10	Jun-19
Romania	19 580 634	83.14	1628	285	92	72	65	81	130	261	75	188	108	148	123	Jun-19
Russian Federation	143 964 709	24.27	3494	167	172	77	54	63	59	389	636	609	511	547	210	Jun-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Serbia	8 762 027	15.64	137	49	16	15	23	12	7	1	1	1	3	8	1	Jun-19
Slovakia	5 449 816	139.82	762	263	63	26	22	39	49	41	44	84	87	37	7	Jun-19
Slovenia	2 081 260	8.65	18	0	0	0	1	0	0	0	0	0	6	8	3	Jun-19
Spain	46 397 452	5.17	240	14	7	4	4	1	6	11	11	23	67	76	16	Jun-19
Sweden	9 982 709	3.01	30	5	1	3	1	1	2	0	1	4	7	3	2	Jun-19
Switzerland	8 544 034	26.92	230	1	4	4	12	1	2	9	50	65	53	27	2	Jun-19
Tajikistan	9 107 211	0.66	6	0	0	0	0	0	0	0	1	0	1	4	0	Jun-19
Turkey	81 916 871	32.58	2669	87	64	53	24	24	26	53	294	544	591	605	304	Jun-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Ukraine	44 009 214	1917.64	84394	3877	2517	1848	3808	7916	10182	13760	11559	8869	8686	7929	3443	Jun-19
United Kingdom	66 573 504	10.50	699	82	54	16	21	26	11	80	77	106	112	81	33	Jun-19
Uzbekistan	32 364 996	9.30	301	7	0	1	0	0	6	9	17	80	122	40	19	Jun-19
<b>Region</b>	<b>922 458 377</b>	<b>141.23</b>	<b>130281</b>	<b>5597</b>	<b>3705</b>	<b>2789</b>	<b>5478</b>	<b>9942</b>	<b>12776</b>	<b>19084</b>	<b>18106</b>	<b>16805</b>	<b>15486</b>	<b>13653</b>	<b>6860</b>	

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, North Macedonia, Poland (since Feb 2019), Serbia and Ukraine.

<sup>1</sup> 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 July 2018—June 2019 (data as of 30 July 2019)**

Country	Total Population in 2018 <sup>1</sup>	Incidence Rate July 2018–June 2019 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	
Albania	2 934 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Andorra	76 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Armenia	2 934 152	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Austria	8 751 820	0.23	2	0	0	0	0	0	0	0	1	0	0	0	1	Jun-19
Azerbaijan	9 923 914	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Belarus	9 452 113	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Belgium <sup>2</sup>	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	0	0	0	0	1	0	0	0	1	0	1	0	Jun-19
Bulgaria	7 036 848	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Croatia	4 164 783	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Cyprus	1 189 085	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Czech Republic	10 625 250	0.09	1	1	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Denmark <sup>2</sup>	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Finland	5 542 517	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	May-19
France <sup>2</sup>	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	1.54	6	0	0	0	0	0	0	3	1	0	1	0	1	Jun-19
Germany	82 293 457	0.67	55	6	5	6	4	2	4	3	5	7	4	5	4	Jun-19
Greece	11 142 161	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Hungary	9 688 847	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Iceland	337 780	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Ireland	4 803 748	0.62	3	0	0	0	0	0	0	0	0	1	2	0	0	Jun-19
Israel	8 452 841	0.12	1	0	0	0	1	0	0	0	0	0	0	0	0	Jun-19
Italy	59 290 969	0.40	24	3	1	2	0	2	0	2	2	2	0	4	6	Jun-19
Kazakhstan	18 403 860	0.16	3	0	-	0	1	0	0	1	1	0	0	0	0	Jun-19
Kyrgyzstan	6 132 932	0.49	3	0	0	0	0	0	0	0	0	2	1	0	0	Jun-19
Latvia	1 929 938	1.55	3	0	0	0	0	0	1	1	0	0	1	0	0	Jun-19
Lithuania	2 876 475	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Luxembourg	590 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Malta	432 089	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Monaco	38 897	0.00	0	-	-	-	-	0	0	0	0	0	0	0	0	Jun-19
Montenegro	629 219	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Netherlands	17 084 459	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
North Macedonia	2 085 051	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Norway	5 353 363	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Poland	38 104 832	9.76	372	39	36	22	27	26	24	43	22	43	31	37	22	Jun-19
Portugal	10 291 196	0.29	3	0	1	1	0	0	0	1	0	0	0	0	0	Jun-19
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Romania	19 580 634	0.20	4	1	1	1	0	1	0	0	0	0	0	0	0	Jun-19
Russian Federation	143 964 709	0.17	24	0	0	1	0	1	1	1	9	2	5	4	0	Jun-19
San Marino	33 557	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-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	Jun-19
Slovenia	2 081 260	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Spain	46 397 452	0.26	12	0	0	0	0	0	9	3	0	0	0	0	0	Jun-19
Sweden	9 982 709	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Switzerland	8 544 034	0.12	1	0	0	0	0	0	0	0	0	0	0	0	1	Jun-19
Tajikistan	9 107 211	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Turkey	81 916 871	0.43	35	0	1	1	3	4	-	0	3	3	9	9	2	Jun-19
Turkmenistan	5 851 466	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jun-19
Ukraine	44 009 214	4.14	182	11	28	15	9	12	13	17	32	14	17	12	2	Jun-19
United Kingdom	66 573 504	0.03	2	0	0	1	0	0	0	0	1	0	0	0	0	Jun-19
Uzbekistan	32 364 996	0.03	1	0	0	0	0	0	0	0	0	0	1	0	0	Jun-19
<b>Region</b>	<b>922 458 377</b>	<b>0.80</b>	<b>740</b>	<b>61</b>	<b>73</b>	<b>50</b>	<b>45</b>	<b>49</b>	<b>52</b>	<b>75</b>	<b>77</b>	<b>75</b>	<b>72</b>	<b>72</b>	<b>39</b>	

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, North Macedonia, Poland and Ukraine.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

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

**Table 3: Measles classification, reporting and surveillance performance, January—June 2019 (data as of 30 July 2019)**

Country	Total Population in 2018 <sup>1</sup>	2018 (as of 30 July 2019)			2019													
		Incidence Rate (per 1 million population)	Total measles cases <sup>2</sup>	Total measles death	Total measles cases <sup>2</sup>	Classification			Discarded Measles	Imported cases	Measles Death	Report			Surveillance Indicators <sup>6</sup>			
						Lab confirmed	Epi-Link	Clinically compatible <sup>3</sup>				Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month & year of last report	Laboratory investigation rate <sup>4</sup>	Rate of discarded cases <sup>5</sup>	Origin of infection <sup>4</sup>	Timeliness of investigation <sup>4</sup>
Albania <sup>7</sup>	2 934 363	499.60	1466	3	475	374	0	101	318	22	2	100%	100%	Jun-19	87%	10.8	100%	99%
Andorra	76 953	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jun-19	-	0.0	-	-
Armenia	2 934 152	6.48	19	0	4	4	0	0	83	3	0	100%	100%	Jun-19	100%	2.8	100%	100%
Austria	8 751 820	8.80	77	0	132	121	11	0	53	11	0	100%	100%	Jun-19	83%	0.6	99%	8%
Azerbaijan	9 923 914	7.15	71	0	260	238	21	1	43	1	0	100%	100%	Jun-19	98%	0.4	99%	98%
Belarus <sup>7</sup>	9 452 113	24.97	236	0	157	157	0	0	202	0	0	100%	100%	Jun-19	100%	2.1	0%	0%
Belgium	11 498 519	10.44	120	0	361	273	45	43	-	0	0	100%	100%	Jun-19	-	-	-	-
Bosnia and Herzegovina	3 503 554	25.40	89	0	1319	160	0	1159	-	0	0	100%	50%	Jun-19	-	-	-	-
Bulgaria	7 036 848	1.85	13	0	1032	933	62	37	-	6	0	100%	100%	Jun-19	96%	-	1%	100%
Croatia	4 164 783	5.52	23	0	10	10	0	0	0	5	0	100%	100%	Jun-19	100%	0.0	90%	0%
Cyprus	1 189 085	11.77	14	0	6	5	1	0	-	1	0	100%	100%	Jun-19	100%	-	100%	0%
Czech Republic	10 625 250	20.42	217	0	562	481	40	41	-	1	0	100%	100%	Jun-19	94%	-	82%	0%
Denmark	5 754 356	1.39	8	0	15	15	0	0	-	4	0	100%	100%	Jun-19	100%	-	93%	0%
Estonia	1 306 788	7.65	10	0	24	24	0	0	61	11	0	100%	100%	Jun-19	100%	4.7	100%	100%
Finland	5 542 517	2.71	15	0	8	8	0	0	-	3	0	83%	83%	May-19	100%	-	38%	0%
France	65 233 271	44.66	2913	3	2029	1149	329	551	-	128	0	100%	100%	Jun-19	88%	-	86%	0%
Georgia	3 907 131	563.84	2203	3	3874	2526	123	1225	403	3	2	100%	0%	Jun-19	71%	10.3	99%	96%
Germany	82 293 457	6.59	542	0	433	336	74	23	-	55	0	100%	83%	Jun-19	93%	-	64%	0%
Greece	11 142 161	196.82	2193	2	28	15	1	12	2	17	0	100%	100%	Jun-19	59%	0.0	100%	0%
Hungary	9 688 847	1.44	14	0	22	22	0	0	0	9	0	100%	100%	Jun-19	100%	0.0	77%	100%
Iceland	337 780	0.00	0	-	7	7	0	0	-	1	0	100%	100%	Jun-19	100%	-	100%	100%
Ireland	4 803 748	16.24	78	0	60	30	6	24	-	6	0	100%	100%	Jun-19	87%	-	65%	67%
Israel	8 452 841	373.72	3159	0	981	597	296	88	-	0	0	100%	67%	Jun-19	87%	-	0%	50%
Italy	59 290 969	45.30	2686	9	1332	1143	70	119	177	62	1	100%	83%	Jun-19	93%	0.3	84%	0%
Kazakhstan	18 403 860	31.30	576	0	8855	6275	2088	492	-	0	0	100%	100%	Jun-19	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 132 932	180.01	1104	2	2151	35	1216	900	497	0	1	100%	100%	Jun-19	3%	8.1	99%	99%
Latvia	1 929 938	10.88	21	0	1	1	0	0	-	1	0	100%	100%	Jun-19	100%	-	100%	100%
Lithuania	2 876 475	11.47	33	0	729	729	0	0	-	11	0	100%	83%	Jun-19	100%	-	100%	68%
Luxembourg	590 321	6.78	4	0	23	23	0	0	21	3	0	100%	100%	Jun-19	100%	3.6	96%	100%
Malta	432 089	11.57	5	0	30	30	0	0	-	0	0	100%	100%	Jun-19	100%	-	100%	0%
Monaco	38 897	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jun-19	-	0.0	-	-
Montenegro	629 219	322.62	203	0	0	0	0	0	19	-	-	100%	50%	Jun-19	100%	3.0	-	95%
Netherlands	17 084 459	1.40	24	0	41	40	1	0	-	12	0	100%	100%	Jun-19	75%	-	95%	0%
North Macedonia	2 085 051	30.69	64	0	1833	626	679	528	-	0	5	100%	50%	Jun-19	-	-	-	-
Norway	5 353 363	2.24	12	0	14	11	3	0	-	7	0	83%	67%	May-19	100%	-	93%	100%
Poland	38 104 832	9.89	377	0	1148	766	88	294	-	0	0	100%	100%	Jun-19	-	-	-	-
Portugal	10 291 196	16.62	171	0	10	9	0	1	46	5	0	100%	100%	Jun-19	96%	0.4	50%	96%
Republic of Moldova	4 041 065	84.14	340	0	45	39	6	0	18	19	0	100%	100%	Jun-19	100%	0.4	98%	97%
Romania	19 580 634	111.85	2190	22	903	721	163	19	-	2	1	100%	100%	Jun-19	98%	-	100%	98%
Russian Federation	143 964 709	15.91	2290	1	2902	2720	178	4	1620	170	2	100%	100%	Jun-19	100%	1.1	100%	54%
San Marino	33 557	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jun-19	-	0.0	-	-
Serbia	8 762 027	579.32	5076	14	15	13	0	2	-	0	0	100%	83%	Jun-19	-	-	-	-
Slovakia	5 449 816	104.96	572	0	300	255	41	4	13	5	0	100%	100%	Jun-19	100%	0.2	100%	100%
Slovenia	2 081 260	4.32	9	0	17	17	0	0	-	12	0	100%	100%	Jun-19	100%	-	94%	100%
Spain	46 397 452	4.87	226	0	204	183	12	9	148	22	1	100%	100%	Jun-19	100%	0.3	85%	93%
Sweden	9 982 709	3.81	38	0	17	16	1	0	-	9	0	100%	100%	Jun-19	100%	-	94%	0%
Switzerland	8 544 034	5.97	51	0	206	158	44	4	216	36	1	100%	100%	Jun-19	99%	2.5	86%	45%
Tajikistan	9 107 211	0.00	0	-	6	6	0	0	52	0	0	100%	100%	Jun-19	100%	0.6	100%	97%
Turkey <sup>7</sup>	81 916 871	8.74	716	0	2391	1903	488	0	3548	15	3	100%	50%	Jun-19	100%	4.3	8%	96%
Turkmenistan	5 851 466	0.00	0	-	0	0	0	0	18	-	-	100%	100%	Jun-19	100%	0.3	-	100%
Ukraine	44 009 214	1209.25	53218	15	54246	6039	0	48207	-	0	18	100%	100%	Jun-19	-	-	-	-
United Kingdom	66 573 504	14.32	953	0	489	488	1	0	-	69	0	100%	100%	Jun-19	100%	-	99%	2%
Uzbekistan	32 364 996	0.71	23	0	287	287	0	0	186	287	0	100%	100%	Jun-19	100%	0.6	100%	100%
<b>Region</b>	<b>922 458 377</b>	<b>91.56</b>	<b>84462</b>	<b>74</b>	<b>89994</b>	<b>30018</b>	<b>6088</b>	<b>53888</b>	<b>7744</b>	<b>1034</b>	<b>37</b>	<b>99%</b>	<b>92%</b>		<b>88%</b>	<b>1.6</b>	<b>76%</b>	<b>69%</b>

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, North Macedonia, Poland (since Feb 2019), Serbia and Ukraine.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

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

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

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

<sup>5</sup> Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed measles cases.

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

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

**Table 4: Rubella classification, reporting and surveillance performance, January—June 2019 (data as of 30 July 2019)**

Country	Total Population in 2018 <sup>1</sup>	2018 (as of 30 July 2019)		2019												
		Incidence Rate (per 1 million population)	Total rubella cases <sup>2</sup>	Total rubella cases <sup>2</sup>	Classification			Discarded Rubella	Imported cases	Report			Surveillance Indicators <sup>6</sup>			
					Lab confirmed	Epi-Link	Clinically compatible <sup>3</sup>			Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month & year of last report	Laboratory investigation rate <sup>4</sup>	Rate of discarded cases <sup>5</sup>	Origin of infection <sup>4</sup>	Timeliness of investigation <sup>4</sup>
Albania <sup>7</sup>	2 934 363	0.00	0	0	0	0	0	318	-	100%	100%	Jun-19	99%	10.8	-	99%
Andorra	76 953	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Armenia	2 934 152	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Austria	8 751 820	0.69	6	2	1	1	0	-	0	100%	100%	Jun-19	100%	-	100%	0%
Azerbaijan	9 923 914	0.00	0	0	0	0	0	3	-	100%	100%	Jun-19	100%	0.0	-	100%
Belarus <sup>7</sup>	9 452 113	0.21	2	0	0	0	0	202	-	100%	100%	Jun-19	100%	2.1	-	0%
Belgium <sup>8</sup>	11 498 519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 503 554	0.86	3	2	0	0	2	-	0	100%	50%	Jun-19	-	-	-	-
Bulgaria	7 036 848	0.14	1	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
Croatia	4 164 783	0.00	0	0	0	0	0	-	-	100%	83%	Jun-19	-	-	-	-
Cyprus	1 189 085	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
Czech Republic	10 625 250	0.19	2	0	0	0	0	-	-	100%	50%	Jun-19	-	-	-	-
Denmark <sup>8</sup>	5 754 356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 306 788	0.00	0	0	0	0	0	7	-	100%	100%	Jun-19	100%	0.5	-	100%
Finland	5 542 517	0.00	0	0	0	0	0	-	-	83%	83%	May-19	-	-	-	-
France <sup>8</sup>	65 233 271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 907 131	0.00	0	6	4	0	2	11	0	100%	50%	Jun-19	76%	0.3	100%	100%
Germany	82 293 457	0.70	58	28	9	2	17	-	2	100%	83%	Jun-19	35%	-	61%	0%
Greece	11 142 161	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
Hungary	9 688 847	0.00	0	0	0	0	0	0	-	100%	83%	Jun-19	-	0.0	-	-
Iceland	337 780	0.00	0	0	0	0	0	-	-	100%	67%	Jun-19	-	-	-	-
Ireland	4 803 748	0.00	0	3	0	0	3	-	0	100%	100%	Jun-19	67%	-	67%	67%
Israel	8 452 841	0.24	2	0	0	0	0	-	-	100%	67%	Jun-19	-	-	-	-
Italy	59 290 969	0.35	21	16	8	1	7	10	3	100%	83%	Jun-19	84%	0.0	94%	0%
Kazakhstan	18 403 860	0.05	1	2	2	0	0	-	0	100%	100%	Jun-19	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 132 932	1.30	8	3	3	0	0	497	0	100%	100%	Jun-19	2%	8.1	100%	99%
Latvia	1 929 938	2.07	4	2	1	0	1	-	1	100%	100%	Jun-19	100%	-	100%	100%
Lithuania	2 876 475	0.35	1	0	0	0	0	-	-	100%	83%	Jun-19	-	-	-	-
Luxembourg	590 321	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	100%	-	-	100%
Malta	432 089	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
Monaco	38 897	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Montenegro	629 219	0.00	0	0	0	0	0	0	-	100%	50%	Jun-19	-	0.0	-	-
Netherlands	17 084 459	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
North Macedonia	2 085 051	0.00	0	0	0	0	0	-	-	100%	50%	Jun-19	-	-	-	-
Norway	5 353 363	0.00	0	0	0	0	0	-	-	100%	50%	Jun-19	-	-	-	-
Poland	38 104 832	11.81	450	198	3	2	193	-	0	100%	100%	Jun-19	-	-	-	-
Portugal	10 291 196	0.49	5	1	0	0	1	6	0	100%	100%	Jun-19	71%	0.1	100%	100%
Republic of Moldova	4 041 065	0.00	0	0	0	0	0	1	-	100%	100%	Jun-19	100%	0.0	-	100%
Romania	19 580 634	0.46	9	0	0	0	0	-	-	100%	83%	Jun-19	-	-	-	-
Russian Federation	143 964 709	0.04	6	21	21	0	0	0	4	100%	100%	Jun-19	100%	0.0	100%	38%
San Marino	33 557	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Serbia	8 762 027	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 449 816	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Slovenia	2 081 260	0.00	0	0	0	0	0	-	-	100%	100%	Jun-19	-	-	-	-
Spain	46 397 452	0.26	12	3	2	1	0	6	0	100%	100%	Jun-19	100%	0.0	0%	100%
Sweden	9 982 709	0.00	0	0	0	0	0	0	-	100%	100%	Jun-19	-	0.0	-	-
Switzerland	8 544 034	0.23	2	1	1	0	0	13	1	100%	100%	Jun-19	100%	0.2	100%	14%
Tajikistan	9 107 211	0.00	0	0	0	0	0	23	-	100%	100%	Jun-19	100%	0.3	-	91%
Turkey <sup>7</sup>	81 916 871	0.27	22	26	26	0	0	3548	1	100%	50%	Jun-19	89%	4.3	15%	96%
Turkmenistan	5 851 466	0.00	0	0	0	0	0	28	-	100%	100%	Jun-19	100%	0.5	-	100%
Ukraine	44 009 214	5.34	235	94	13	0	81	-	0	100%	100%	Jun-19	-	-	-	-
United Kingdom	66 573 504	0.03	2	1	1	0	0	-	0	100%	100%	Jun-19	100%	-	100%	0%
Uzbekistan	32 364 996	0.00	0	1	1	0	0	0	1	100%	100%	Jun-19	100%	0.0	100%	100%
<b>Region</b>	<b>922 458 377</b>	<b>0.92</b>	<b>852</b>	<b>410</b>	<b>96</b>	<b>7</b>	<b>307</b>	<b>4673</b>	<b>13</b>	<b>92%</b>	<b>82%</b>	<b>Jun-19</b>	<b>81%</b>	<b>1.0</b>	<b>67%</b>	<b>91%</b>

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, North Macedonia, Poland and Ukraine.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2017 Revision.

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

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

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

<sup>5</sup> Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed rubella cases.

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

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

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

**Table 5: Measles and rubella laboratory test results, January—June 2019 (data as of 30 July 2019)**

Country	Measles				Rubella				Report <sup>1</sup>		
	Total specimens tested <sup>1</sup>	Positive for measles (%) <sup>1</sup>	Genotypes reported to MeaNS <sup>2</sup>	Sequencing reported within 60 days <sup>2</sup>	Total specimens tested <sup>1</sup>	Positive for rubella (%) <sup>1</sup>	Genotypes reported to RubeNS <sup>3</sup>	Sequencing reported within 60 days <sup>3</sup>	Completeness <sup>4</sup>	Timeliness <sup>4</sup>	Month of last report
Albania	684	373 (55)	-	-	1	1 (100)	-	-	100%	83%	Jun-19
Andorra											No lab
Armenia	59	4 (7)	D8	0%	59	0 (0)	-	-	83%	67%	May-19
Austria	1224	114 (9)	B3,D8	100%	2910	0 (0)	-	-	100%	100%	Jun-19
Azerbaijan	381	304 (80)	B3	0%	91	8 (9)	-	-	100%	50%	Jun-19
Belarus	476	209 (44)	B3,D8	79%	262	0 (0)	-	-	100%	100%	Jun-19
Belgium	203	104 (51)	B3,D8	87%	23	3 (13)	-	-	33%	0%	Feb-19
Bosnia and Herzegovina	383	263 (69)	B3	83%	356	0 (0)	-	-	100%	100%	Jun-19
Bulgaria	1416	894 (63)	B3,D8	0%	367	0 (0)	-	-	100%	100%	Jun-19
Croatia	28	14 (50)	B3,D8	100%	2	0 (0)	-	-	100%	0%	Jun-19
Cyprus	113	5 (4)	-	-	182	1 (1)	-	-	83%	33%	May-19
Czech Republic	1226	645 (53)	-	-	393	64 (16)	-	-	100%	100%	Jun-19
Denmark	1088	63 (6)	B3,D8	58%	16	1 (6)	-	-	100%	100%	Jun-19
Estonia	389	42 (11)	D8	100%	204	1 (0)	-	-	100%	100%	Jun-19
Finland	149	32 (21)	D8	100%	149	1 (1)	-	-	100%	100%	Jun-19
France	1547	629 (41)	B3,D8,H1	8%	0	-	-	-	100%	17%	Jun-19
Georgia	2090	1641 (79)	D8	7%	313	26 (8)	-	-	100%	100%	Jun-19
Germany	-	-	B3,D8	14%	-	-	-	-	-	-	No report
Greece	-	-	B3,D8	67%	-	-	-	-	-	-	No report
Hungary	255	46 (18)	B3,D8	92%	78	0 (0)	-	-	100%	100%	Jun-19
Iceland	-	-	B3	0%	-	-	-	-	-	-	No report
Ireland	1105	80 (7)	D8	74%	1299	211 (16)	-	-	100%	100%	Jun-19
Israel	3037	872 (29)	D8	100%	3067	99 (3)	-	-	100%	83%	Jun-19
Italy	3252	1959 (60)	B3,D8	52%	1219	19 (2)	-	-	100%	100%	Jun-19
Kazakhstan	7210	6052 (84)	B3,D8	100%	1383	2 (0)	-	-	100%	83%	Jun-19
Kyrgyzstan	67	42 (63)	-	-	66	1 (2)	-	-	83%	83%	Jun-19
Latvia	147	3 (2)	D8	100%	154	4 (3)	-	-	100%	83%	Jun-19
Lithuania	3446	777 (23)	D8	0%	177	1 (1)	-	-	100%	100%	Jun-19
Luxembourg	391	2 (1)	D8	100%	0	-	-	-	100%	100%	Jun-19
Malta	122	45 (37)	D8	22%	321	0 (0)	-	-	100%	83%	Jun-19
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	58	20 (34)	D8	98%	45	0 (0)	-	-	83%	83%	May-19
North Macedonia	397	188 (47)	-	-	0	-	-	-	33%	17%	Feb-19
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Poland	-	-	D8	59%	-	-	-	-	-	-	No report
Portugal	180	26 (14)	B3,D8	33%	8	0 (0)	-	-	100%	100%	Jun-19
Republic of Moldova	61	38 (62)	D8	0%	59	0 (0)	-	-	100%	100%	Jun-19
Romania	1779	1479 (83)	B3,D8	100%	281	0 (0)	-	-	100%	83%	Jun-19
Russian Federation	6319	3250 (51)	B3,D8	24%	4682	61 (1)	2B	80%	100%	100%	Jun-19
San Marino											No lab
Serbia	64	17 (27)	B3,D8	33%	64	1 (2)	-	-	100%	100%	Jun-19
Slovakia	118	85 (72)	B3	0%	1	0 (0)	-	-	100%	100%	Jun-19
Slovenia	200	41 (21)	B3,D8	100%	172	2 (1)	-	-	100%	100%	Jun-19
Spain	-	-	B3,D8	76%	-	-	-	-	-	-	No report
Sweden	879	42 (5)	B3,D8	100%	934	4 (0)	-	-	100%	100%	Jun-19
Switzerland	439	224 (51)	B3,D8	96%	2	2 (100)	-	-	100%	83%	Jun-19
Tajikistan	37	1 (3)	-	-	37	0 (0)	-	-	67%	67%	Apr-19
Turkey	10065	2678 (27)	B3	54%	7622	88 (1)	-	-	100%	83%	Jun-19
Turkmenistan	51	0 (0)	-	-	51	0 (0)	-	-	100%	100%	Jun-19
Ukraine	1114	596 (54)	D8	0%	594	18 (3)	-	-	100%	100%	Jun-19
United Kingdom	2764	542 (20)	B3,D8	38%	419	0 (0)	-	-	100%	100%	Jun-19
Uzbekistan	481	287 (60)	B3,D8	0%	481	1 (0)	-	-	100%	83%	Jun-19
<b>Region</b>	<b>55494</b>	<b>24728 (45)</b>	<b>-</b>	<b>46%</b>	<b>28544</b>	<b>620 (2)</b>	<b>-</b>	<b>80%</b>	<b>77%</b>	<b>67%</b>	

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

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

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

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

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

