

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 2019—July 2020 (data as of 01 September 2020)**

Country	Total Population in 2020 <sup>1</sup>	Incidence Rate August 2019–July 2020 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	
Albania	2 877 797	2.78	8	4	0	0	0	1	2	1	0	0	0	0	0	Jul-20
Andorra	77 265	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Armenia	2 963 243	1.01	3	0	1	2	0	0	0	0	0	0	0	0	0	Jul-20
Austria	9 006 398	4.11	37	4	2	1	2	3	2	11	12	0	0	0	0	Jul-20
Azerbaijan	10 139 177	0.20	2	0	0	0	0	0	0	2	0	0	0	0	0	Jul-20
Belarus	9 449 323	0.11	1	1	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Belgium	11 589 623	12.08	140	14	10	29	32	15	25	11	2	1	0	1	-	Jun-20
Bosnia and Herzegovina	3 280 819	8.53	28	19	3	1	0	1	2	0	0	2	0	0	0	Jul-20
Bulgaria	6 948 445	52.53	365	35	15	11	18	41	94	80	54	16	1	0	0	Jul-20
Croatia	4 105 267	7.55	31	4	14	12	1	0	0	0	0	0	0	0	0	Jul-20
Cyprus	1 207 359	0.83	1	0	0	0	0	0	0	1	0	0	0	0	0	Jul-20
Czech Republic	10 708 981	1.12	12	3	0	2	3	0	1	2	0	0	1	0	0	Jul-20
Denmark	5 792 202	0.69	4	0	0	0	0	0	4	0	0	0	0	0	0	Jul-20
Estonia	1 326 535	1.51	2	1	0	0	0	1	0	0	0	0	0	0	0	Jul-20
Finland	5 540 720	1.62	9	0	0	0	4	0	2	2	0	1	0	0	0	Jul-20
France	65 273 511	8.35	545	109	56	61	49	40	87	77	61	3	2	0	0	Jul-20
Georgia	3 989 167	9.02	36	4	1	6	6	4	6	3	2	2	1	0	1	Jul-20
Germany	83 783 942	1.48	124	22	11	5	8	6	25	27	20	0	0	0	-	Jun-20
Greece	10 423 054	1.82	19	6	9	1	1	0	1	1	0	0	0	0	0	Jul-20
Hungary	9 660 351	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Iceland	341 243	2.93	1	0	0	0	0	1	0	0	0	0	0	0	0	Jul-20
Ireland	4 937 786	8.51	42	1	8	7	4	3	1	12	4	1	0	0	1	Jul-20
Israel	8 655 535	2.08	18	3	3	0	4	2	4	2	0	0	0	0	0	Jul-20
Italy	60 461 826	3.77	228	77	20	7	10	12	52	41	9	0	0	0	0	Jul-20
Kazakhstan	18 776 707	315.71	5928	402	283	424	576	978	1192	1003	652	354	63	1	0	Jul-20
Kyrgyzstan	6 524 195	123.69	807	18	22	2	5	54	159	202	273	59	13	0	0	Jul-20
Latvia	1 886 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Lithuania	2 722 289	0.73	2	0	0	0	0	1	0	1	0	0	0	0	-	Jun-20
Luxembourg	625 978	1.60	1	0	0	1	0	0	0	0	0	0	0	0	0	Jul-20
Malta	441 543	6.79	3	0	0	0	1	0	0	2	0	0	0	0	0	Jul-20
Monaco	39 242	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun-20
Montenegro	628 066	0.00	0	0	0	0	0	0	-	-	-	-	-	-	-	Dec-19
Netherlands	17 134 872	1.52	26	17	3	0	4	0	1	1	0	0	0	0	0	Jul-20
North Macedonia	2 083 374	7.20	15	12	2	1	0	0	0	-	-	-	-	-	-	Jan-20
Norway	5 421 241	1.11	6	2	0	0	0	0	3	1	0	0	0	0	0	Jul-20
Poland	37 846 611	1.53	58	9	5	6	2	8	6	10	9	1	1	1	0	Jul-20
Portugal	10 196 709	0.88	9	0	0	0	0	1	4	2	0	0	2	0	0	Jul-20
Republic of Moldova	4 033 963	10.16	41	10	2	2	8	2	2	1	14	0	0	0	0	Jul-20
Romania	19 237 691	76.00	1462	80	112	100	79	120	334	259	233	92	37	16	0	Jul-20
Russian Federation	145 934 462	10.51	1534	167	110	40	56	131	182	271	406	147	24	0	0	Jul-20
San Marino	33 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Serbia	8 737 371	0.69	6	0	0	1	4	1	0	0	0	0	0	0	0	Jul-20
Slovakia	5 459 642	1.28	7	7	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Slovenia	2 078 938	17.32	36	1	0	0	7	22	5	1	0	0	0	0	0	Jul-20
Spain	46 754 778	2.20	103	12	6	1	3	10	37	30	3	0	0	1	0	Jul-20
Sweden	10 099 265	0.59	6	0	1	0	0	0	2	3	0	0	0	0	0	Jul-20
Switzerland	8 654 622	6.12	53	2	5	0	2	11	14	12	4	3	0	0	0	Jul-20
Tajikistan	9 537 645	17.72	169	0	0	1	0	0	57	44	59	8	0	0	0	Jul-20
Turkey	84 339 067	11.02	929	76	39	53	67	104	139	217	192	25	11	3	3	Jul-20
Turkmenistan	6 031 200	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Ukraine	43 733 762	41.96	1835	737	372	214	112	204	112	39	30	11	1	2	1	Jul-20
United Kingdom	67 886 011	3.61	245	42	29	49	15	26	50	23	9	0	2	0	0	Jul-20
Uzbekistan	33 469 203	152.95	5119	85	130	275	421	155	712	1618	1277	403	43	0	0	Jul-20
<b>Region</b>	<b>932 888 145</b>	<b>21.50</b>	<b>20056</b>	<b>1986</b>	<b>1274</b>	<b>1315</b>	<b>1504</b>	<b>1958</b>	<b>3319</b>	<b>4013</b>	<b>3325</b>	<b>1129</b>	<b>202</b>	<b>25</b>	<b>6</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) and Serbia.

<sup>1</sup> 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 2019—July 2020 (data as of 01 September 2020)**

Country	Total Population in 2020 <sup>1</sup>	Incidence Rate August 2019–July 2020 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	
Albania	2 877 797	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Andorra	77 265	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Armenia	2 963 243	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Austria	9 006 398	0.11	1	0	0	0	0	0	0	0	0	0	0	1	0	Jul-20
Azerbaijan	10 139 177	0.39	4	0	0	0	2	0	1	0	1	0	0	0	0	Jul-20
Belarus	9 449 323	0.11	1	0	0	0	0	0	0	0	1	0	0	0	0	Jul-20
Belgium <sup>2</sup>	11 589 623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 280 819	0.30	1	1	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Bulgaria	6 948 445	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Croatia	4 105 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Cyprus	1 207 359	0.83	1	0	0	0	0	0	0	1	0	0	0	0	0	Jul-20
Czech Republic	10 708 981	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Denmark <sup>2</sup>	5 792 202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 535	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Finland	5 540 720	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
France <sup>2</sup>	65 273 511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 989 167	0.50	2	0	1	1	0	0	0	0	0	0	0	0	0	Jul-20
Germany	83 783 942	0.36	30	6	3	1	4	3	1	3	4	3	1	1	-	Jun-20
Greece	10 423 054	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Hungary	9 660 351	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Iceland	341 243	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Ireland	4 937 786	0.41	2	0	0	0	0	0	1	0	0	1	0	0	0	Jul-20
Israel	8 655 535	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Italy	60 461 826	0.35	21	2	1	0	1	4	9	4	0	0	0	0	0	Jul-20
Kazakhstan	18 776 707	0.21	4	0	3	0	0	0	0	0	0	0	0	0	1	Jul-20
Kyrgyzstan	6 524 195	0.15	1	0	0	0	1	0	0	0	0	0	0	0	0	Jul-20
Latvia	1 886 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Lithuania	2 722 289	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun-20
Luxembourg	625 978	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Malta	441 543	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Monaco	39 242	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun-20
Montenegro	628 066	0.00	0	0	0	0	0	0	-	-	-	-	-	-	-	Dec-19
Netherlands	17 134 872	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
North Macedonia	2 083 374	0.00	0	0	0	0	0	0	0	-	-	-	-	-	-	Jan-20
Norway	5 421 241	0.18	1	0	0	0	0	0	0	1	0	0	0	0	0	Jul-20
Poland	37 846 611	4.17	158	15	9	25	22	7	30	19	11	6	3	5	6	Jul-20
Portugal	10 196 709	0.20	2	0	0	1	0	0	0	1	0	0	0	0	0	Jul-20
Republic of Moldova	4 033 963	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Romania	19 237 691	0.26	5	0	2	0	0	0	1	1	1	0	0	0	0	Jul-20
Russian Federation	145 934 462	0.02	3	0	0	0	0	0	1	2	0	0	0	0	0	Jul-20
San Marino	33 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Serbia	8 737 371	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 459 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Slovenia	2 078 938	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Spain	46 754 778	0.02	1	0	0	0	0	1	0	0	0	0	0	0	0	Jul-20
Sweden	10 099 265	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Switzerland	8 654 622	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Tajikistan	9 537 645	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Turkey	84 339 067	0.36	30	5	3	2	4	4	4	2	3	1	0	2	0	Jul-20
Turkmenistan	6 031 200	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
Ukraine	43 733 762	1.55	68	15	12	7	0	8	6	11	1	3	1	2	2	Jul-20
United Kingdom	67 886 011	0.03	2	1	1	0	0	0	0	0	0	0	0	0	0	Jul-20
Uzbekistan	33 469 203	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-20
<b>Region</b>	<b>932 888 145</b>	<b>0.36</b>	<b>338</b>	<b>45</b>	<b>35</b>	<b>37</b>	<b>34</b>	<b>27</b>	<b>54</b>	<b>45</b>	<b>22</b>	<b>14</b>	<b>5</b>	<b>11</b>	<b>9</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 and Poland.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 Revision.

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

**Table 3: Measles classification, reporting and surveillance performance, January–July 2020 (data as of 01 September 2020)**

Country	Total Population in 2020 <sup>1</sup>	2019 (as of 01 September 2020)			2020													
		Incidence Rate (per 1 million population)	Total measles cases <sup>2</sup>	Total measles deaths	Total measles cases <sup>2</sup>	Classification			Discarded measles	Imported cases	Measles deaths	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>	2 877 797	167.31	482	2	3	3	0	0	12	0	0	100%	100%	Jul-20	100%	0.4	100%	100%
Andorra	77 265	0.00	0	-	0	0	0	0	0	-	-	100%	86%	Jul-20	-	0.0	-	-
Armenia	2 963 243	2.37	7	0	0	0	0	0	19	-	-	100%	100%	Jul-20	100%	0.6	-	100%
Austria	9 006 398	16.86	151	0	25	20	3	2	1	1	0	100%	100%	Jul-20	91%	0.0	100%	8%
Azerbaijan	10 139 177	25.98	261	0	2	2	0	0	7	0	0	100%	86%	Jul-20	100%	0.1	100%	89%
Belarus <sup>7</sup>	9 449 323	20.21	191	0	0	0	0	0	99	-	-	100%	100%	Jul-20	100%	1.0	-	0%
Belgium	11 589 623	41.68	481	0	40	13	5	22	-	0	0	86%	86%	Jun-20	-	-	-	-
Bosnia and Herzegovina	3 280 819	424.42	1401	0	4	0	0	4	-	0	0	100%	71%	Jul-20	-	-	-	-
Bulgaria	6 948 445	178.14	1247	0	245	227	7	11	-	2	2	100%	100%	Jul-20	97%	-	1%	100%
Croatia	4 105 267	12.59	52	0	0	0	0	0	0	-	-	100%	100%	Jul-20	-	0.0	-	-
Cyprus	1 207 359	5.01	6	0	1	1	0	0	-	1	0	100%	86%	Jul-20	100%	-	100%	100%
Czech Republic	10 708 981	53.98	577	0	4	4	0	0	-	1	0	100%	100%	Jul-20	100%	-	100%	0%
Denmark	5 792 202	2.60	15	0	4	4	0	0	-	0	0	100%	100%	Jul-20	100%	-	100%	0%
Estonia	1 326 535	20.37	27	0	0	0	0	0	33	-	-	100%	100%	Jul-20	100%	2.5	-	100%
Finland	5 540 720	2.17	12	0	5	5	0	0	-	2	0	100%	100%	Jul-20	100%	-	100%	0%
France	65 273 511	40.49	2637	2	230	158	31	41	-	14	0	100%	100%	Jul-20	94%	-	81%	0%
Georgia	3 989 167	980.79	3920	2	15	13	0	2	26	0	0	100%	86%	Jul-20	95%	0.7	93%	90%
Germany	83 783 942	6.07	507	0	72	53	14	5	-	7	0	86%	86%	Jun-20	91%	-	85%	0%
Greece	10 423 054	4.30	45	0	2	2	0	0	0	0	0	100%	100%	Jul-20	100%	0.0	100%	0%
Hungary	9 660 351	2.37	23	1	0	0	0	0	0	-	-	100%	100%	Jul-20	-	0.0	-	-
Iceland	341 243	26.55	9	0	0	0	0	0	-	-	-	100%	100%	Jul-20	-	-	-	-
Ireland	4 937 786	14.95	73	0	19	2	0	17	-	2	0	100%	100%	Jul-20	26%	-	26%	11%
Israel	8 655 535	120.67	1028	0	6	6	0	0	-	0	0	100%	100%	Jul-20	100%	-	0%	83%
Italy	60 461 826	26.75	1620	1	102	82	12	8	19	10	0	100%	100%	Jul-20	94%	0.0	81%	0%
Kazakhstan	18 776 707	718.33	13326	21	3265	2003	1004	258	-	0	5	100%	43%	Jul-20	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 524 195	358.95	2303	0	706	151	319	236	143	6	1	100%	100%	Jul-20	35%	2.2	100%	97%
Latvia	1 886 198	1.05	2	0	0	0	0	0	-	-	-	100%	100%	Jul-20	-	-	-	-
Lithuania	2 722 289	301.49	832	0	1	1	0	0	-	1	0	86%	86%	Jun-20	100%	-	100%	100%
Luxembourg	625 978	38.98	24	0	0	0	0	0	2	-	-	100%	100%	Jul-20	100%	0.3	-	100%
Malta	441 543	72.67	32	0	2	2	0	0	-	0	0	100%	100%	Jul-20	100%	-	100%	0%
Monaco	39 242	0.00	0	-	0	0	0	0	0	-	-	86%	71%	Jun-20	-	0.0	-	-
Montenegro	628 066	0.00	0	-	-	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 134 872	4.91	84	0	2	2	0	0	-	1	0	100%	100%	Jul-20	100%	-	50%	0%
North Macedonia	2 083 374	904.27	1884	5	0	0	0	0	-	-	-	14%	14%	Jan-20	-	-	-	-
Norway	5 421 241	3.16	17	0	4	4	0	0	-	2	0	100%	100%	Jul-20	100%	-	75%	100%
Poland	37 846 611	36.08	1367	0	28	14	1	13	-	0	0	100%	100%	Jul-20	-	-	-	-
Portugal	10 196 709	0.98	10	0	8	7	0	1	13	4	0	100%	100%	Jul-20	81%	0.1	50%	100%
Republic of Moldova	4 033 963	22.01	89	0	17	17	0	0	11	1	0	100%	100%	Jul-20	100%	0.3	100%	96%
Romania	19 237 691	89.65	1736	5	971	486	312	173	-	0	0	100%	100%	Jul-20	76%	-	100%	29%
Russian Federation	145 934 462	28.58	4169	0	1030	1005	24	1	892	28	0	100%	86%	Jul-20	100%	0.6	100%	36%
San Marino	33 931	324.87	11	0	0	0	0	0	0	-	-	100%	71%	Jul-20	-	0.0	-	-
Serbia	8 737 371	2.39	21	0	0	0	0	0	-	-	-	100%	100%	Jul-20	-	-	-	-
Slovakia	5 459 642	57.17	312	0	0	0	0	0	0	-	-	100%	100%	Jul-20	-	0.0	-	-
Slovenia	2 078 938	23.09	48	0	6	6	0	0	-	1	0	100%	100%	Jul-20	100%	-	100%	100%
Spain	46 754 778	6.25	292	0	71	70	1	0	36	1	0	100%	100%	Jul-20	100%	0.1	99%	47%
Sweden	10 099 265	1.99	20	0	5	5	0	0	-	4	0	100%	100%	Jul-20	100%	-	100%	0%
Switzerland	8 654 622	26.65	229	2	33	29	4	0	86	7	0	100%	100%	Jul-20	100%	1.0	88%	29%
Tajikistan	9 537 645	0.75	7	0	168	89	74	5	73	0	0	100%	86%	Jul-20	97%	0.8	1%	100%
Turkey <sup>7</sup>	84 339 067	34.66	2892	3	590	590	0	0	1297	2	2	100%	100%	Jul-20	100%	1.5	21%	98%
Turkmenistan <sup>7</sup>	6 031 200	0.00	0	-	0	0	0	0	50	-	-	100%	100%	Jul-20	100%	0.8	-	100%
Ukraine	43 733 762	1303.19	57332	20	196	59	7	130	-	1	0	100%	100%	Jul-20	32%	-	97%	99%
United Kingdom	67 886 011	13.06	882	1	84	84	0	0	-	7	0	100%	100%	Jul-20	100%	-	100%	0%
Uzbekistan	33 469 203	53.06	1750	0	4053	339	0	3714	1	241	0	100%	86%	Jul-20	10%	0.0	56%	90%
<b>Region</b>	<b>932 888 145</b>	<b>112.28</b>	<b>104443</b>	<b>65</b>	<b>12019</b>	<b>5558</b>	<b>1818</b>	<b>4643</b>	<b>2820</b>	<b>347</b>	<b>10</b>	<b>95%</b>	<b>91%</b>		<b>59%</b>	<b>0.6</b>	<b>68%</b>	<b>72%</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) and Serbia.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 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–July 2020 (data as of 01 September 2020)**

Country	Total Population in 2020 <sup>1</sup>	2019 (as of 01 September 2020)		2020												
		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>	2 877 797	0.00	0	0	0	0	0	12	-	100%	100%	Jul-20	100%	0.4	-	100%
Andorra	77 265	0.00	0	0	0	0	0	0	-	100%	86%	Jul-20	-	0.0	-	-
Armenia	2 963 243	0.00	0	0	0	0	0	0	-	100%	100%	Jul-20	-	0.0	-	-
Austria	9 006 398	0.00	0	1	0	1	0	-	0	100%	86%	Jul-20	-	-	0%	0%
Azerbaijan	10 139 177	0.20	2	2	2	0	0	1	0	100%	86%	Jul-20	67%	0.0	0%	100%
Belarus <sup>7</sup>	9 449 323	0.00	0	1	1	0	0	99	0	100%	100%	Jul-20	100%	1.0	0%	0%
Belgium <sup>8</sup>	11 589 623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 280 819	0.91	3	0	0	0	0	-	-	100%	57%	Jul-20	-	-	-	-
Bulgaria	6 948 445	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Croatia	4 105 267	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Cyprus	1 207 359	0.00	0	1	1	0	0	-	0	100%	86%	Jul-20	100%	-	0%	0%
Czech Republic	10 708 981	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Denmark <sup>8</sup>	5 792 202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 535	0.00	0	0	0	0	0	3	-	100%	100%	Jul-20	100%	0.2	-	100%
Finland	5 540 720	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
France <sup>8</sup>	65 273 511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 989 167	2.25	9	0	0	0	0	9	-	100%	86%	Jul-20	78%	0.2	-	89%
Germany	83 783 942	0.68	57	13	4	0	9	-	0	86%	86%	Jun-20	31%	-	54%	0%
Greece	10 423 054	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Hungary	9 660 351	0.00	0	0	0	0	0	0	-	100%	100%	Jul-20	-	0.0	-	-
Iceland	341 243	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Ireland	4 937 786	0.20	1	2	1	0	1	-	1	100%	100%	Jul-20	50%	-	50%	100%
Israel	8 655 535	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Italy	60 461 826	0.40	24	13	3	0	10	3	0	100%	100%	Jul-20	81%	0.0	23%	0%
Kazakhstan	18 776 707	0.27	5	1	1	0	0	-	0	100%	43%	Jul-20	-	-	-	-
Kyrgyzstan <sup>7</sup>	6 524 195	0.62	4	0	0	0	0	143	-	100%	100%	Jul-20	22%	2.2	-	94%
Latvia	1 886 198	1.05	2	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Lithuania	2 722 289	0.00	0	0	0	0	0	-	-	86%	86%	Jun-20	-	-	-	-
Luxembourg	625 978	0.00	0	0	0	0	0	1	-	100%	100%	Jul-20	100%	0.2	-	100%
Malta	441 543	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Monaco	39 242	0.00	0	0	0	0	0	0	-	86%	71%	Jun-20	-	0.0	-	-
Montenegro	628 066	0.00	0	-	-	-	-	-	-	0%	0%	Dec-19	-	-	-	-
Netherlands	17 134 872	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
North Macedonia	2 083 374	0.00	0	0	0	0	0	-	-	14%	14%	Jan-20	-	-	-	-
Norway	5 421 241	0.00	0	1	1	0	0	-	1	100%	100%	Jul-20	100%	-	100%	100%
Poland	37 846 611	7.71	292	80	0	0	80	-	0	100%	100%	Jul-20	-	-	-	-
Portugal	10 196 709	0.20	2	1	0	0	1	4	0	100%	100%	Jul-20	60%	0.0	100%	100%
Republic of Moldova	4 033 963	0.00	0	0	0	0	0	2	-	100%	100%	Jul-20	100%	0.0	-	100%
Romania	19 237 691	0.21	4	3	1	0	2	-	0	100%	86%	Jul-20	33%	-	100%	33%
Russian Federation	145 934 462	0.23	34	3	3	0	0	0	0	100%	86%	Jul-20	100%	0.0	100%	100%
San Marino	33 931	0.00	0	0	0	0	0	0	-	100%	57%	Jul-20	-	0.0	-	-
Serbia	8 737 371	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 459 642	0.00	0	0	0	0	0	0	-	100%	100%	Jul-20	-	0.0	-	-
Slovenia	2 078 938	0.00	0	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Spain	46 754 778	0.09	4	0	0	0	0	4	-	100%	100%	Jul-20	75%	0.0	-	50%
Sweden	10 099 265	0.00	0	0	0	0	0	0	-	100%	86%	Jul-20	-	0.0	-	-
Switzerland	8 654 622	0.12	1	0	0	0	0	7	-	100%	100%	Jul-20	100%	0.1	-	0%
Tajikistan	9 537 645	0.00	0	0	0	0	0	7	-	100%	86%	Jul-20	100%	0.1	-	100%
Turkey <sup>7</sup>	84 339 067	0.58	48	12	12	0	0	1297	0	100%	100%	Jul-20	100%	1.5	67%	98%
Turkmenistan <sup>7</sup>	6 031 200	0.00	0	0	0	0	0	50	-	100%	100%	Jul-20	100%	0.8	-	100%
Ukraine	43 733 762	3.23	142	26	4	0	22	-	0	100%	100%	Jul-20	15%	-	92%	100%
United Kingdom	67 886 011	0.04	3	0	0	0	0	-	-	100%	100%	Jul-20	-	-	-	-
Uzbekistan	33 469 203	0.00	0	0	0	0	0	0	-	100%	86%	Jul-20	-	0.0	-	-
<b>Region</b>	<b>932 888 145</b>	<b>0.68</b>	<b>637</b>	<b>160</b>	<b>34</b>	<b>1</b>	<b>125</b>	<b>1642</b>	<b>2</b>	<b>88%</b>	<b>82%</b>		<b>91%</b>	<b>0.3</b>	<b>65%</b>	<b>90%</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 and Poland.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2019 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–July 2020 (data as of 01 September 2020)**

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	15	3 (20)	-	-	0	-	-	-	100%	<b>71%</b>	Jul-20
Andorra											No lab
Armenia	19	0 (0)	-	-	19	0 (0)	-	-	100%	<b>71%</b>	Jul-20
Austria	743	17 (2)	B3,D8	100%	2525	0 (0)	-	-	100%	100%	Jul-20
Azerbaijan	9	2 (22)	-	-	2	1 (50)	-	-	<b>29%</b>	<b>29%</b>	Feb-20
Belarus	101	0 (0)	-	-	103	2 (2)	-	-	86%	<b>57%</b>	Jun-20
Belgium	-	-	D8	30%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	2	0 (0)	-	-	0	-	-	-	<b>14%</b>	<b>14%</b>	Jan-20
Bulgaria	334	260 (78)	-	-	137	0 (0)	-	-	<b>57%</b>	<b>29%</b>	Apr-20
Croatia	10	0 (0)	-	-	0	-	-	-	<b>43%</b>	<b>43%</b>	Apr-20
Cyprus	25	1 (4)	-	-	183	3 (2)	-	-	100%	<b>14%</b>	Jul-20
Czech Republic	36	9 (25)	-	-	22	1 (5)	-	-	100%	100%	Jul-20
Denmark	221	13 (6)	D8	100%	10	2 (20)	-	-	100%	100%	Jul-20
Estonia	74	0 (0)	-	-	52	0 (0)	-	-	<b>57%</b>	<b>57%</b>	May-20
Finland	37	10 (27)	B3,D8	40%	35	1 (3)	-	-	100%	100%	Jul-20
France	-	-	D8	0%	-	-	-	-	-	-	No Report
Georgia	53	12 (23)	-	-	36	3 (8)	-	-	100%	86%	Jul-20
Germany	218	66 (30)	B3,D8	100%	86	4 (5)	-	-	100%	100%	Jul-20
Greece	0	-	-	-	0	-	-	-	<b>14%</b>	<b>14%</b>	Jan-20
Hungary	40	0 (0)	-	-	46	0 (0)	-	-	100%	100%	Jul-20
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	498	10 (2)	D8	0%	1401	2 (0)	-	-	100%	<b>71%</b>	Jul-20
Israel	272	23 (8)	-	-	610	159 (26)	-	-	100%	<b>71%</b>	Jul-20
Italy	358	139 (39)	B3,D8	31%	213	15 (7)	-	-	100%	86%	Jul-20
Kazakhstan	2440	1998 (82)	-	-	78	0 (0)	-	-	100%	<b>57%</b>	Jul-20
Kyrgyzstan	71	44 (62)	B3,D8	0%	70	0 (0)	-	-	<b>57%</b>	<b>57%</b>	Apr-20
Latvia	104	6 (6)	-	-	150	0 (0)	-	-	100%	<b>57%</b>	Jul-20
Lithuania	112	7 (6)	-	-	103	0 (0)	-	-	100%	100%	Jul-20
Luxembourg	6	0 (0)	-	-	0	-	-	-	100%	100%	Jul-20
Malta	10	3 (30)	-	-	106	0 (0)	-	-	<b>29%</b>	<b>14%</b>	Feb-20
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	-	-	D8	100%	-	-	-	-	-	-	No report
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	5	5 (100)	D8	100%	4	3 (75)	-	-	100%	<b>71%</b>	Jul-20
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	62	17 (27)	D8	0%	3	0 (0)	-	-	<b>71%</b>	<b>71%</b>	May-20
Republic of Moldova	31	17 (55)	-	-	31	0 (0)	-	-	86%	86%	Jul-20
Romania	357	265 (74)	-	-	88	0 (0)	-	-	<b>43%</b>	<b>43%</b>	May-20
Russian Federation	2600	1331 (51)	B3,D8	12%	2180	15 (1)	-	-	100%	100%	Jul-20
San Marino											No lab
Serbia	8	0 (0)	-	-	8	1 (13)	-	-	<b>57%</b>	<b>57%</b>	Jul-20
Slovakia	7	0 (0)	-	-	10	0 (0)	-	-	100%	86%	Jul-20
Slovenia	240	14 (6)	D8	100%	80	0 (0)	-	-	100%	86%	Jul-20
Spain	-	-	B3	25%	-	-	-	-	-	-	No report
Sweden	703	18 (3)	B3,D8	80%	1314	7 (1)	-	-	100%	<b>43%</b>	Jul-20
Switzerland	127	53 (42)	D8	6%	5	5 (100)	-	-	100%	100%	Jul-20
Tajikistan	72	34 (47)	D8	0%	71	0 (0)	-	-	<b>29%</b>	<b>29%</b>	Feb-20
Turkey	3670	903 (25)	-	-	3008	82 (3)	-	-	100%	86%	Jul-20
Turkmenistan	50	0 (0)	-	-	50	0 (0)	-	-	100%	100%	Jul-20
Ukraine	112	23 (21)	-	-	112	5 (4)	-	-	100%	86%	Jul-20
United Kingdom	1393	162 (12)	B3,D8	98%	631	5 (1)	-	-	100%	<b>71%</b>	Jul-20
Uzbekistan	153	136 (89)	-	-	153	0 (0)	-	-	<b>29%</b>	<b>29%</b>	Feb-20
<b>Region</b>	<b>15398</b>	<b>5601 (36)</b>	<b>-</b>	<b>41%</b>	<b>13735</b>	<b>316 (2)</b>	<b>-</b>	<b>-</b>	<b>64%</b>	<b>54%</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.

