

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 September 2019—August 2020 (data as of 30 September 2020)

Country	Total Population in 2020 ¹	Incidence Rate September 2019–August 2020 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	
Albania	2 877 797	1.39	4	0	0	0	1	2	1	0	0	0	0	0	0	Aug-20
Andorra	77 265	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jul-20
Armenia	2 963 243	1.01	3	1	2	0	0	0	0	0	0	0	0	0	0	Aug-20
Austria	9 006 398	3.66	33	2	1	2	3	2	11	12	0	0	0	0	0	Aug-20
Azerbaijan	10 139 177	0.20	2	0	0	0	0	0	2	0	0	0	0	0	0	Aug-20
Belarus	9 449 323	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Belgium	11 589 623	11.04	128	10	29	32	15	25	11	2	1	0	1	2	-	Jul-20
Bosnia and Herzegovina	3 280 819	2.74	9	3	1	0	1	2	0	0	2	0	0	0	0	Aug-20
Bulgaria	6 948 445	47.49	330	15	11	18	41	94	80	54	16	1	0	0	0	Aug-20
Croatia	4 105 267	6.58	27	14	12	1	0	0	0	0	0	0	0	0	0	Aug-20
Cyprus	1 207 359	0.83	1	0	0	0	0	0	1	0	0	0	0	0	0	Aug-20
Czech Republic	10 708 981	0.84	9	0	2	3	0	1	2	0	0	1	0	0	0	Aug-20
Denmark	5 792 202	0.69	4	0	0	0	0	4	0	0	0	0	0	0	0	Aug-20
Estonia	1 326 535	0.75	1	0	0	0	1	0	0	0	0	0	0	0	0	Aug-20
Finland	5 540 720	1.62	9	0	0	4	0	2	2	0	1	0	0	0	0	Aug-20
France	65 273 511	6.69	437	56	61	49	40	87	77	61	3	2	0	0	1	Aug-20
Georgia	3 989 167	8.27	33	1	6	6	4	6	3	2	2	1	0	1	1	Aug-20
Germany	83 783 942	1.22	102	11	5	8	6	25	27	20	0	0	0	0	0	Aug-20
Greece	10 423 054	1.25	13	9	1	1	0	1	1	0	0	0	0	0	0	Aug-20
Hungary	9 660 351	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Iceland	341 243	2.93	1	0	0	0	1	0	0	0	0	0	0	0	0	Aug-20
Ireland	4 937 786	8.51	42	8	7	4	3	1	12	4	1	0	0	1	1	Aug-20
Israel	8 655 535	1.73	15	3	0	4	2	4	2	0	0	0	0	0	0	Aug-20
Italy	60 461 826	2.50	151	20	7	10	12	52	41	9	0	0	0	0	0	Aug-20
Kazakhstan	18 776 707	294.46	5529	283	424	576	978	1192	1003	652	354	63	1	0	3	Aug-20
Kyrgyzstan	6 524 195	120.93	789	22	2	5	54	159	202	273	59	13	0	0	0	Aug-20
Latvia	1 886 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Lithuania	2 722 289	0.73	2	0	0	0	1	0	1	0	0	0	0	-	-	Jun-20
Luxembourg	625 978	1.60	1	0	1	0	0	0	0	0	0	0	0	0	0	Aug-20
Malta	441 543	6.79	3	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	Aug-20
Montenegro	628 066	0.00	0	0	0	0	0	-	-	-	-	-	-	-	-	Dec-19
Netherlands	17 134 872	0.53	9	3	0	4	0	1	1	0	0	0	0	0	0	Aug-20
North Macedonia	2 083 374	1.44	3	2	1	0	0	0	0	0	0	0	0	0	0	Aug-20
Norway	5 421 241	0.74	4	0	0	0	0	3	1	0	0	0	0	0	0	Aug-20
Poland	37 846 611	1.29	49	5	6	2	8	6	10	9	1	1	1	0	0	Aug-20
Portugal	10 196 709	0.88	9	0	0	0	1	4	2	0	0	2	0	0	0	Aug-20
Republic of Moldova	4 033 963	7.68	31	2	2	8	2	2	1	14	0	0	0	0	0	Aug-20
Romania	19 237 691	71.79	1381	112	100	79	120	333	259	233	92	37	16	0	0	Aug-20
Russian Federation	145 934 462	9.37	1367	110	40	56	131	182	271	406	147	24	0	0	0	Aug-20
San Marino	33 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jul-20
Serbia	8 737 371	0.69	6	0	1	4	1	0	0	0	0	0	0	0	0	Aug-20
Slovakia	5 459 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Slovenia	2 078 938	16.84	35	0	0	7	22	5	1	0	0	0	0	0	0	Aug-20
Spain	46 754 778	1.95	91	6	1	3	10	37	30	3	0	0	1	0	0	Aug-20
Sweden	10 099 265	0.59	6	1	0	0	0	2	3	0	0	0	0	0	0	Aug-20
Switzerland	8 654 622	5.89	51	5	0	2	11	14	12	4	3	0	0	0	0	Aug-20
Tajikistan	9 537 645	17.72	169	0	1	0	0	57	44	59	8	0	0	0	0	Aug-20
Turkey	84 339 067	10.08	850	39	53	67	104	139	217	192	20	11	3	4	1	Aug-20
Turkmenistan	6 031 200	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Ukraine	43 733 762	25.22	1103	372	214	112	204	112	39	30	11	1	2	2	4	Aug-20
United Kingdom	67 886 011	2.99	203	29	49	15	26	50	23	9	0	2	0	0	0	Aug-20
Uzbekistan	33 469 203	150.41	5034	130	275	421	155	712	1618	1277	403	43	0	0	0	Aug-20
Region	932 888 145	19.38	18079	1274	1315	1504	1958	3318	4013	3325	1124	202	25	10	11	

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.

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 September 2019—August 2020 (data as of 30 September 2020)

Country	Total Population in 2020 ¹	Incidence Rate September 2019–August 2020 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	
Albania	2 877 797	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Andorra	77 265	0.00	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	Aug-20
Austria	9 006 398	0.11	1	0	0	0	0	0	0	0	0	0	1	0	0	Aug-20
Azerbaijan	10 139 177	0.39	4	0	0	2	0	1	0	1	0	0	0	0	0	Aug-20
Belarus	9 449 323	0.11	1	0	0	0	0	0	0	1	0	0	0	0	0	Aug-20
Belgium ²	11 589 623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 280 819	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Bulgaria	6 948 445	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Croatia	4 105 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Cyprus	1 207 359	0.83	1	0	0	0	0	0	1	0	0	0	0	0	0	Aug-20
Czech Republic	10 708 981	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Denmark ²	5 792 202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 535	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Finland	5 540 720	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
France ²	65 273 511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 989 167	0.50	2	1	1	0	0	0	0	0	0	0	0	0	0	Aug-20
Germany	83 783 942	0.30	25	3	1	4	3	1	3	4	3	1	1	0	1	Aug-20
Greece	10 423 054	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Hungary	9 660 351	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Iceland	341 243	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Ireland	4 937 786	0.41	2	0	0	0	0	1	0	0	1	0	0	0	0	Aug-20
Israel	8 655 535	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Italy	60 461 826	0.31	19	1	0	1	4	9	4	0	0	0	0	0	0	Aug-20
Kazakhstan	18 776 707	0.21	4	3	0	0	0	0	0	0	0	0	0	1	0	Aug-20
Kyrgyzstan	6 524 195	0.15	1	0	0	1	0	0	0	0	0	0	0	0	0	Aug-20
Latvia	1 886 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Lithuania	2 722 289	0.00	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	Aug-20
Malta	441 543	0.00	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	Aug-20
Montenegro	628 066	0.00	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	Aug-20
North Macedonia	2 083 374	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Norway	5 421 241	0.18	1	0	0	0	0	0	1	0	0	0	0	0	0	Aug-20
Poland	37 846 611	3.86	146	9	25	22	7	30	19	11	6	3	5	6	3	Aug-20
Portugal	10 196 709	0.20	2	0	1	0	0	0	1	0	0	0	0	0	0	Aug-20
Republic of Moldova	4 033 963	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Romania	19 237 691	0.26	5	2	0	0	0	1	1	1	0	0	0	0	0	Aug-20
Russian Federation	145 934 462	0.02	3	0	0	0	0	1	2	0	0	0	0	0	0	Aug-20
San Marino	33 931	0.00	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	Aug-20
Slovenia	2 078 938	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Spain	46 754 778	0.02	1	0	0	0	1	0	0	0	0	0	0	0	0	Aug-20
Sweden	10 099 265	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Switzerland	8 654 622	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Tajikistan	9 537 645	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Turkey	84 339 067	0.30	25	3	2	4	4	4	2	3	1	0	2	0	0	Aug-20
Turkmenistan	6 031 200	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Ukraine	43 733 762	1.21	53	12	7	0	8	6	11	1	3	1	2	2	0	Aug-20
United Kingdom	67 886 011	0.01	1	1	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Uzbekistan	33 469 203	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-20
Region	932 888 145	0.32	297	35	37	34	27	54	45	22	14	5	11	9	4	

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.

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–August 2020 (data as of 30 September 2020)

Country	Total Population in 2020 ¹	2019 (as of 30 September 2020)			2020													
		Incidence Rate (per 1 million population)	Total measles cases ²	Total measles deaths	Total measles cases ²	Classification			Discarded measles	Imported cases	Measles deaths	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	2 877 797	167.31	482	2	3	3	0	0	12	0	0	100%	100%	Aug-20	100%	0.4	100%	100%
Andorra	77 265	0.00	0	-	0	0	0	0	0	-	-	88%	75%	Jul-20	-	0.0	-	-
Armenia	2 963 243	2.37	7	0	0	0	0	0	20	-	-	100%	100%	Aug-20	100%	0.7	-	100%
Austria	9 006 398	16.86	151	0	25	20	3	2	1	1	0	100%	100%	Aug-20	91%	0.0	100%	8%
Azerbaijan	10 139 177	25.98	261	0	2	2	0	0	7	0	0	100%	88%	Aug-20	100%	0.1	100%	89%
Belarus ⁷	9 449 323	20.21	191	0	0	0	0	0	106	-	-	100%	100%	Aug-20	100%	1.1	-	0%
Belgium	11 589 623	41.68	481	0	42	13	7	22	-	0	0	88%	75%	Jul-20	-	-	-	-
Bosnia and Herzegovina	3 280 819	424.42	1401	0	4	0	0	4	-	0	0	100%	63%	Aug-20	-	-	-	-
Bulgaria	6 948 445	178.14	1247	0	245	227	7	11	-	2	2	100%	100%	Aug-20	97%	-	1%	100%
Croatia	4 105 267	12.59	52	0	0	0	0	0	0	-	-	100%	100%	Aug-20	-	0.0	-	-
Cyprus	1 207 359	5.01	6	0	1	1	0	0	-	1	0	100%	88%	Aug-20	100%	-	100%	100%
Czech Republic	10 708 981	53.98	577	0	4	4	0	0	-	1	0	100%	100%	Aug-20	100%	-	100%	0%
Denmark	5 792 202	2.60	15	0	4	4	0	0	-	0	0	100%	100%	Aug-20	100%	-	100%	0%
Estonia	1 326 535	20.37	27	0	0	0	0	0	34	-	-	100%	100%	Aug-20	100%	2.6	-	100%
Finland	5 540 720	2.17	12	0	5	5	0	0	-	2	0	100%	100%	Aug-20	100%	-	100%	0%
France	65 273 511	40.49	2637	2	231	158	31	42	-	15	0	100%	100%	Aug-20	94%	-	81%	0%
Georgia	3 989 167	980.79	3920	2	16	14	0	2	29	0	0	100%	75%	Aug-20	96%	0.7	94%	91%
Germany	83 783 942	6.07	507	0	72	53	14	5	-	7	0	100%	88%	Aug-20	91%	-	85%	0%
Greece	10 423 054	4.30	45	0	2	2	0	0	0	0	0	100%	100%	Aug-20	100%	0.0	100%	0%
Hungary	9 660 351	2.37	23	1	0	0	0	0	0	-	-	100%	100%	Aug-20	-	0.0	-	-
Iceland	341 243	26.55	9	0	0	0	0	0	-	-	-	100%	100%	Aug-20	-	-	-	-
Ireland	4 937 786	14.95	73	0	20	2	0	18	-	2	0	100%	100%	Aug-20	25%	-	25%	10%
Israel	8 655 535	120.67	1028	0	6	6	0	0	-	0	0	100%	100%	Aug-20	100%	-	0%	83%
Italy	60 461 826	26.75	1620	1	102	82	12	8	20	10	0	100%	100%	Aug-20	95%	0.0	81%	0%
Kazakhstan	18 776 707	718.33	13326	21	3268	2006	1004	258	-	0	5	100%	50%	Aug-20	-	-	-	-
Kyrgyzstan ⁷	6 524 195	358.95	2303	0	706	151	319	236	143	6	1	100%	100%	Aug-20	35%	2.2	100%	97%
Latvia	1 886 198	1.05	2	0	0	0	0	0	-	-	-	100%	100%	Aug-20	-	-	-	-
Lithuania	2 722 289	301.49	832	0	1	1	0	0	-	1	0	75%	75%	Jun-20	100%	-	100%	100%
Luxembourg	625 978	38.98	24	0	0	0	0	0	2	-	-	100%	100%	Aug-20	100%	0.3	-	100%
Malta	441 543	72.67	32	0	2	2	0	0	-	0	0	88%	88%	Jul-20	100%	-	100%	0%
Monaco	39 242	0.00	0	-	0	0	0	0	0	-	-	88%	75%	Aug-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%	Aug-20	100%	-	50%	0%
North Macedonia	2 083 374	904.27	1884	5	0	0	0	0	-	-	-	100%	25%	Aug-20	-	-	-	-
Norway	5 421 241	3.16	17	0	4	4	0	0	-	2	0	100%	100%	Aug-20	100%	-	75%	100%
Poland	37 846 611	36.08	1367	0	28	14	0	14	-	0	0	100%	100%	Aug-20	-	-	-	-
Portugal	10 196 709	0.98	10	0	8	7	0	1	13	4	0	100%	100%	Aug-20	81%	0.1	50%	100%
Republic of Moldova	4 033 963	22.01	89	0	17	17	0	0	14	1	0	100%	100%	Aug-20	100%	0.3	100%	97%
Romania	19 237 691	89.65	1736	5	970	492	476	2	-	0	0	100%	100%	Aug-20	100%	-	100%	29%
Russian Federation	145 934 462	28.58	4169	0	1030	1006	24	0	998	28	0	100%	88%	Aug-20	100%	0.7	100%	38%
San Marino	33 931	324.87	11	0	0	0	0	0	0	-	-	88%	63%	Jul-20	-	0.0	-	-
Serbia	8 737 371	2.39	21	0	0	0	0	0	-	-	-	100%	100%	Aug-20	-	-	-	-
Slovakia	5 459 642	57.17	312	0	0	0	0	0	0	-	-	100%	100%	Aug-20	-	0.0	-	-
Slovenia	2 078 938	23.09	48	0	6	6	0	0	-	1	0	100%	100%	Aug-20	100%	-	100%	100%
Spain	46 754 778	6.25	292	0	71	70	1	0	36	1	0	100%	100%	Aug-20	100%	0.1	99%	47%
Sweden	10 099 265	1.99	20	0	5	5	0	0	-	4	0	100%	100%	Aug-20	100%	-	100%	0%
Switzerland	8 654 622	26.65	229	2	33	29	4	0	90	7	0	100%	100%	Aug-20	100%	1.0	88%	28%
Tajikistan	9 537 645	0.75	7	0	168	89	74	5	74	0	0	100%	88%	Aug-20	97%	0.8	1%	100%
Turkey ⁷	84 339 067	34.66	2892	3	587	587	0	0	1341	2	2	100%	100%	Aug-20	100%	1.6	21%	98%
Turkmenistan ⁷	6 031 200	0.00	0	-	0	0	0	0	59	-	-	100%	100%	Aug-20	100%	1.0	-	100%
Ukraine	43 733 762	1303.19	57332	20	201	61	7	133	-	1	0	100%	100%	Aug-20	32%	-	97%	100%
United Kingdom	67 886 011	13.06	882	1	84	84	0	0	-	7	0	100%	100%	Aug-20	100%	-	100%	0%
Uzbekistan	33 469 203	53.06	1750	0	4053	339	0	3714	1	241	0	100%	88%	Aug-20	10%	0.0	56%	90%
Region	932 888 145	112.28	104443	65	12028	5568	1983	4477	3000	348	10	96%	90%		61%	0.6	68%	72%

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.

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–August 2020 (data as of 30 September 2020)

Country	Total Population in 2020 ¹	2019 (as of 30 September 2020)		2020												
		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	2 877 797	0.00	0	0	0	0	0	12	-	100%	100%	Aug-20	100%	0.4	-	100%
Andorra	77 265	0.00	0	0	0	0	0	0	-	88%	75%	Jul-20	-	0.0	-	-
Armenia	2 963 243	0.00	0	0	0	0	0	0	-	100%	100%	Aug-20	-	0.0	-	-
Austria	9 006 398	0.00	0	1	0	1	0	-	0	100%	88%	Aug-20	-	-	0%	0%
Azerbaijan	10 139 177	0.20	2	2	2	0	0	1	0	100%	88%	Aug-20	67%	0.0	0%	100%
Belarus ⁷	9 449 323	0.00	0	1	1	0	0	106	0	100%	100%	Aug-20	99%	1.1	0%	0%
Belgium ⁸	11 589 623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 280 819	0.91	3	0	0	0	0	-	-	100%	50%	Aug-20	-	-	-	-
Bulgaria	6 948 445	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Croatia	4 105 267	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Cyprus	1 207 359	0.00	0	1	1	0	0	-	0	100%	88%	Aug-20	100%	-	0%	0%
Czech Republic	10 708 981	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Denmark ⁸	5 792 202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 535	0.00	0	0	0	0	0	4	-	100%	100%	Aug-20	100%	0.3	-	100%
Finland	5 540 720	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
France ⁸	65 273 511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 989 167	2.25	9	0	0	0	0	10	-	100%	75%	Aug-20	80%	0.3	-	90%
Germany	83 783 942	0.68	57	14	4	0	10	-	0	100%	88%	Aug-20	29%	-	50%	0%
Greece	10 423 054	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Hungary	9 660 351	0.00	0	0	0	0	0	0	-	100%	100%	Aug-20	-	0.0	-	-
Iceland	341 243	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Ireland	4 937 786	0.20	1	2	1	0	1	-	1	100%	100%	Aug-20	50%	-	50%	100%
Israel	8 655 535	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Italy	60 461 826	0.40	24	13	3	0	10	4	0	100%	100%	Aug-20	82%	0.0	23%	0%
Kazakhstan	18 776 707	0.27	5	1	1	0	0	-	0	100%	50%	Aug-20	-	-	-	-
Kyrgyzstan ⁷	6 524 195	0.62	4	0	0	0	0	143	-	100%	100%	Aug-20	22%	2.2	-	94%
Latvia	1 886 198	1.05	2	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Lithuania	2 722 289	0.00	0	0	0	0	0	-	-	75%	75%	Jun-20	-	-	-	-
Luxembourg	625 978	0.00	0	0	0	0	0	1	-	100%	100%	Aug-20	100%	0.2	-	100%
Malta	441 543	0.00	0	0	0	0	0	-	-	88%	88%	Jul-20	-	-	-	-
Monaco	39 242	0.00	0	0	0	0	0	0	-	88%	75%	Aug-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%	Aug-20	-	-	-	-
North Macedonia	2 083 374	0.00	0	0	0	0	0	-	-	100%	25%	Aug-20	-	-	-	-
Norway	5 421 241	0.00	0	1	1	0	0	-	1	100%	100%	Aug-20	100%	-	100%	100%
Poland	37 846 611	7.71	292	83	0	0	83	-	0	100%	100%	Aug-20	-	-	-	-
Portugal	10 196 709	0.20	2	1	0	0	1	5	0	100%	100%	Aug-20	50%	0.0	100%	100%
Republic of Moldova	4 033 963	0.00	0	0	0	0	0	3	-	100%	100%	Aug-20	100%	0.1	-	100%
Romania	19 237 691	0.21	4	3	1	0	2	-	0	100%	88%	Aug-20	33%	-	100%	33%
Russian Federation	145 934 462	0.23	34	3	3	0	0	0	0	100%	88%	Aug-20	100%	0.0	100%	100%
San Marino	33 931	0.00	0	0	0	0	0	0	-	88%	50%	Jul-20	-	0.0	-	-
Serbia	8 737 371	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 459 642	0.00	0	0	0	0	0	0	-	100%	100%	Aug-20	-	0.0	-	-
Slovenia	2 078 938	0.00	0	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Spain	46 754 778	0.09	4	0	0	0	0	4	-	100%	100%	Aug-20	75%	0.0	-	50%
Sweden	10 099 265	0.00	0	0	0	0	0	0	-	100%	88%	Aug-20	-	0.0	-	-
Switzerland	8 654 622	0.12	1	0	0	0	0	10	-	100%	100%	Aug-20	100%	0.1	-	0%
Tajikistan	9 537 645	0.00	0	0	0	0	0	8	-	100%	88%	Aug-20	100%	0.1	-	100%
Turkey ⁷	84 339 067	0.58	48	12	12	0	0	1341	0	100%	100%	Aug-20	100%	1.6	67%	98%
Turkmenistan ⁷	6 031 200	0.00	0	0	0	0	0	59	-	100%	100%	Aug-20	100%	1.0	-	100%
Ukraine	43 733 762	3.23	142	26	4	0	22	-	0	100%	100%	Aug-20	15%	-	92%	100%
United Kingdom	67 886 011	0.04	3	0	0	0	0	-	-	100%	100%	Aug-20	-	-	-	-
Uzbekistan	33 469 203	0.00	0	0	0	0	0	0	-	100%	88%	Aug-20	-	0.0	-	-
Region	932 888 145	0.68	637	164	34	1	129	1711	2	89%	82%		91%	0.4	64%	89%

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.

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–August 2020 (data as of 30 September 2020)

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	15	3 (20)	-	-	0	-	-	-	100%	63%	Aug-20
Andorra	-	-	-	-	-	-	-	-	-	-	No lab
Armenia	19	0 (0)	-	-	19	0 (0)	-	-	88%	63%	Jul-20
Austria	861	17 (2)	B3,D8	100%	2869	0 (0)	-	-	100%	100%	Aug-20
Azerbaijan	9	2 (22)	-	-	2	1 (50)	-	-	25%	25%	Feb-20
Belarus	101	0 (0)	-	-	103	2 (2)	-	-	75%	50%	Jun-20
Belgium	-	-	D8	30%	-	-	-	-	-	-	No Report
Bosnia and Herzegovina	2	0 (0)	-	-	0	-	-	-	13%	13%	Jan-20
Bulgaria	374	261 (70)	-	-	177	0 (0)	-	-	100%	38%	Aug-20
Croatia	10	0 (0)	-	-	0	-	-	-	38%	38%	Apr-20
Cyprus	25	1 (4)	-	-	183	3 (2)	-	-	88%	13%	Jul-20
Czech Republic	36	9 (25)	-	-	22	1 (5)	-	-	88%	88%	Jul-20
Denmark	249	14 (6)	D8	100%	13	2 (15)	-	-	100%	100%	Aug-20
Estonia	81	0 (0)	-	-	56	0 (0)	-	-	63%	63%	Aug-20
Finland	39	10 (26)	B3,D8	40%	37	1 (3)	-	-	100%	100%	Aug-20
France	-	-	D8	0%	-	-	-	-	-	-	No Report
Georgia	58	13 (22)	-	-	40	3 (8)	-	-	100%	88%	Aug-20
Germany	220	66 (30)	B3,D8	14%	87	4 (5)	-	-	100%	100%	Aug-20
Greece	0	-	-	-	0	-	-	-	13%	13%	Jan-20
Hungary	41	0 (0)	-	-	64	0 (0)	-	-	100%	100%	Aug-20
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	544	10 (2)	D8	0%	1596	2 (0)	-	-	100%	75%	Aug-20
Israel	291	24 (8)	-	-	719	193 (27)	-	-	100%	75%	Aug-20
Italy	371	139 (37)	B3,D8	31%	220	15 (7)	-	-	100%	88%	Aug-20
Kazakhstan	2446	2001 (82)	-	-	78	0 (0)	-	-	100%	63%	Aug-20
Kyrgyzstan	71	44 (62)	B3,D8	0%	70	0 (0)	-	-	50%	50%	Apr-20
Latvia	113	6 (5)	-	-	174	0 (0)	-	-	100%	63%	Aug-20
Lithuania	118	7 (6)	D8	0%	109	0 (0)	-	-	100%	100%	Aug-20
Luxembourg	9	0 (0)	-	-	0	-	-	-	100%	100%	Aug-20
Malta	10	3 (30)	-	-	106	0 (0)	-	-	25%	13%	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%	75%	Aug-20
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	62	17 (27)	D8	0%	3	0 (0)	-	-	75%	75%	Aug-20
Republic of Moldova	35	17 (49)	-	-	35	0 (0)	-	-	88%	88%	Aug-20
Romania	357	265 (74)	-	-	88	0 (0)	-	-	38%	38%	May-20
Russian Federation	2825	1333 (47)	B3,D8	12%	2401	15 (1)	-	-	100%	100%	Aug-20
San Marino	-	-	-	-	-	-	-	-	-	-	No lab
Serbia	8	0 (0)	-	-	8	1 (13)	-	-	50%	50%	Jul-20
Slovakia	8	1 (13)	-	-	11	0 (0)	-	-	100%	88%	Aug-20
Slovenia	240	14 (6)	D8	100%	80	0 (0)	-	-	88%	75%	Jul-20
Spain	-	-	B3,D8	12%	-	-	-	-	-	-	No report
Sweden	747	18 (2)	B3,D8	80%	1468	8 (1)	-	-	100%	50%	Aug-20
Switzerland	130	53 (41)	D8	6%	7	7 (100)	-	-	100%	100%	Aug-20
Tajikistan	72	34 (47)	D8	0%	71	0 (0)	-	-	25%	25%	Feb-20
Turkey	3757	905 (24)	-	-	3089	82 (3)	-	-	100%	88%	Aug-20
Turkmenistan	57	0 (0)	-	-	57	0 (0)	-	-	100%	100%	Aug-20
Ukraine	130	24 (18)	-	-	130	5 (4)	-	-	100%	88%	Aug-20
United Kingdom	1459	162 (11)	B3,D8	98%	661	5 (1)	-	-	100%	75%	Aug-20
Uzbekistan	153	136 (89)	-	-	153	0 (0)	-	-	25%	25%	Feb-20
Region	16158	5614 (35)	-	36%	15010	353 (2)	-	-	63%	53%	

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

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

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

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

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

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