

A monthly summary of the epidemiological data on selected Vaccine-preventable diseases in the European Region

Table 1: Reported measles cases for the period September 2017 — August 2018 (data as of 01 October 2018)

Country	Total Population in 2018 ¹	Incidence Rate Sep 17 - Aug 18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	
Albania	2 919 422	472.35	1379	1	3	5	3	63	164	345	359	245	134	45	12	Aug-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Armenia	3 034 998	5.93	18	0	1	0	0	0	2	14	1	0	0	0	0	Aug-18
Austria	8 613 647	9.06	78	1	2	8	1	7	8	14	16	11	6	1	3	Aug-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Belarus	9 429 102	22.91	216	0	0	0	0	0	17	41	53	58	13	23	11	Aug-18
Belgium	11 513 025	7.90	91	2	0	3	1	1	6	9	11	23	21	3	11	Aug-18
Bosnia and Herzegovina	3 782 297	25.65	97	2	2	3	0	5	7	14	13	34	13	4	0	Aug-18
Bulgaria	6 992 150	1.14	8	0	0	0	0	1	0	2	1	1	0	3	0	Aug-18
Croatia	4 194 538	5.24	22	0	0	0	0	0	0	0	1	2	16	3	0	Aug-18
Cyprus	1 198 198	12.52	15	0	0	0	1	5	7	2	0	0	0	0	0	Aug-18
Czech Republic	10 563 111	15.90	168	0	0	9	1	5	8	15	10	68	41	6	5	Aug-18
Denmark	5 732 713	0.70	4	0	0	0	0	0	0	3	0	0	0	0	1	Aug-18
Estonia	1 302 401	7.68	10	0	0	0	0	0	0	4	6	0	0	0	0	Aug-18
Finland	5 556 439	1.26	7	0	0	0	0	0	0	0	1	3	0	0	3	Aug-18
France	65 205 671	42.85	2794	19	13	11	65	237	516	761	620	250	190	81	31	Aug-18
Georgia	3 973 681	305.01	1212	9	1	13	60	125	159	158	221	253	212	1	-	Jul-18
Germany	80 560 850	6.47	521	8	8	12	19	29	34	60	99	89	103	41	19	Aug-18
Greece	10 871 762	289.01	3142	114	192	304	346	466	454	501	371	249	112	29	4	Aug-18
Hungary	9 754 429	1.54	15	1	1	0	0	2	5	6	0	0	0	0	0	Aug-18
Iceland	336 938	2.97	1	0	0	1	0	0	0	0	0	0	0	0	0	Aug-18
Ireland	4 790 845	21.71	104	0	12	9	3	10	20	19	4	1	1	8	17	Aug-18
Israel	8 455 489	40.09	339	0	0	0	0	0	0	9	33	35	74	75	113	Aug-18
Italy	59 788 104	45.46	2718	166	127	66	113	213	296	375	471	427	273	125	66	Aug-18
Kazakhstan	18 256 484	0.11	2	0	0	0	0	0	0	0	1	0	-	1	-	Jul-18
Kyrgyzstan	6 213 441	64.38	400	0	0	2	2	30	15	33	69	75	98	58	18	Aug-18
Latvia	1 935 780	10.33	20	0	0	0	5	8	2	0	2	3	0	0	0	Aug-18
Lithuania	2 817 402	0.71	2	0	0	0	0	0	0	0	0	0	1	0	1	Aug-18
Luxembourg	591 126	6.77	4	0	0	1	0	0	0	0	1	0	0	0	2	Aug-18
Malta	421 387	11.87	5	0	0	0	0	0	0	0	0	0	0	5	0	Aug-18
Monaco	38 166	0.00	0	0	0	0	-	0	0	0	0	-	0	0	-	Jul-18
Montenegro	626 240	51.10	32	0	-	0	0	9	19	4	0	0	-	-	-	May-18
Netherlands	17 084 531	1.52	26	1	3	0	0	0	2	2	0	3	10	1	4	Aug-18
Norway	5 387 342	1.86	10	0	0	0	0	0	4	0	1	2	0	1	2	Aug-18
Poland	38 522 728	2.99	115	13	11	2	6	19	7	5	12	8	12	14	6	Aug-18
Portugal	10 229 432	12.81	131	0	0	0	0	0	4	108	13	0	3	1	2	Aug-18
Republic of Moldova	4 044 534	67.00	271	0	0	0	0	1	1	0	0	18	17	0	234	Aug-18
Romania	19 105 089	92.44	1766	236	265	338	100	101	102	105	111	104	112	100	92	Aug-18
Russian Federation	143 261 490	16.92	2424	92	130	194	216	292	292	316	252	218	218	93	111	Aug-18
San Marino	32 241	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Serbia	8 742 764	653.11	5710	0	13	286	392	901	1230	1522	684	447	170	49	16	Aug-18
Slovakia	5 434 237	82.07	446	0	0	0	8	1	0	2	3	23	87	262	60	Aug-18
Slovenia	2 073 018	4.34	9	0	0	0	1	2	0	0	0	3	3	0	0	Aug-18
Spain	46 116 884	4.71	217	2	0	1	11	6	14	51	49	41	24	12	6	Aug-18
Sweden	9 987 062	5.01	50	3	1	0	16	12	3	1	4	3	2	5	0	Aug-18
Switzerland	8 523 590	6.69	57	17	4	4	0	7	6	6	3	3	2	1	4	Aug-18
Tajikistan	9 046 723	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Aug-18
The former Yugoslav Republic of Macedonia	2 085 315	31.65	66	11	8	0	1	5	5	1	0	1	3	24	7	Aug-18
Turkey	81 086 257	6.56	532	1	3	14	5	2	5	51	77	161	65	85	63	Aug-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jul-18
Ukraine	44 170 002	738.46	32618	248	505	1001	1400	3030	3099	2618	3812	5629	4882	3877	2517	Aug-18
United Kingdom	65 912 569	15.28	1007	18	22	65	46	55	81	148	201	154	99	80	38	Aug-18
Uzbekistan	31 064 765	0.45	14	0	0	0	0	0	0	0	0	0	7	7	0	Aug-18
Total/Averages	917 084 469	64.22	58893	965	1327	2352	2822	5650	6594	7325	7586	8645	7024	5124	3479	

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine.

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not achieving the target (<1 per million population) are highlighted in red.

For tables 1-4, the reporting of these data by year and month are based on cases with disease onset date during the above 12-month period and corresponding month. Where the disease onset date was unavailable, cases with the date of notification reported during these respective time periods were included as date of onset. These reports produced by national or partner agencies may differ if other dates (e.g. date of case reporting) were used.

Table 2: Reported rubella cases for the period September 2017 — August 2018 (data as of 01 October 2018)

Country	Total Population in 2018 ¹	Incidence Rate Sep 17 - Aug 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	
Albania	2 919 422	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Armenia	3 034 998	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Austria	8 613 647	2.32	20	0	2	6	7	5	0	0	0	0	0	0	0	Aug-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Belarus	9 429 102	0.21	2	0	1	0	0	1	0	0	0	0	0	0	0	Aug-18
Belgium ³	11 513 025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 782 297	0.53	2	0	0	0	0	1	0	0	0	1	-	0	0	Aug-18
Bulgaria	6 992 150	0.14	1	0	0	0	0	0	0	0	1	0	0	0	0	Aug-18
Croatia	4 194 538	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Cyprus	1 198 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Czech Republic	10 563 111	0.19	2	0	0	0	0	0	1	0	0	0	0	1	0	Aug-18
Denmark ³	5 732 713	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Estonia	1 302 401	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Finland	5 556 439	0.18	1	0	1	0	0	0	0	0	0	0	0	0	0	Aug-18
France ³	65 205 671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 973 681	0.25	1	0	0	1	0	0	0	0	0	0	0	0	-	Jul-18
Germany	80 560 850	0.76	61	3	11	4	2	7	3	5	5	3	8	6	4	Aug-18
Greece	10 871 762	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Hungary	9 754 429	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Iceland	336 938	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Ireland	4 790 845	1.04	5	0	0	0	0	0	1	0	1	1	0	2	0	Aug-18
Israel	8 455 489	0.12	1	0	0	0	0	0	0	1	0	0	0	0	0	Aug-18
Italy	59 788 104	0.45	27	3	2	2	2	1	2	2	4	2	3	3	1	Aug-18
Kazakhstan	18 256 484	0.00	0	0	0	0	0	0	0	0	0	0	-	0	-	Jul-18
Kyrgyzstan	6 213 441	1.61	10	0	0	1	1	4	0	3	0	0	1	0	0	Aug-18
Latvia	1 935 780	1.55	3	0	0	0	0	1	1	0	1	0	0	0	0	Aug-18
Lithuania	2 817 402	0.35	1	0	0	0	0	0	0	0	0	1	0	0	0	Aug-18
Luxembourg	591 126	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Malta	421 387	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 240	0.00	0	0	-	0	0	0	0	0	0	0	-	-	-	May-18
Netherlands	17 084 531	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Norway	5 387 342	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Poland	38 522 728	12.67	488	30	34	31	33	36	44	42	48	59	52	40	39	Aug-18
Portugal	10 229 432	0.59	6	2	0	0	0	0	1	0	0	0	2	0	1	Aug-18
Republic of Moldova	4 044 534	0.00	0	0	0	-	0	0	0	0	0	0	0	-	0	Aug-18
Romania	19 105 089	0.26	5	0	1	0	0	1	0	1	1	0	1	0	0	Aug-18
Russian Federation	143 261 490	0.03	5	0	1	0	1	0	0	0	0	3	0	0	0	Aug-18
San Marino	32 241	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Serbia	8 742 764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Slovakia	5 434 237	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Slovenia	2 073 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Spain	46 116 884	0.07	3	0	0	0	0	0	0	0	1	1	1	0	0	Aug-18
Sweden	9 987 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Switzerland	8 523 590	0.23	2	0	0	0	0	0	1	0	0	1	0	0	0	Aug-18
Tajikistan	9 046 723	0.00	0	0	0	-	0	-	0	0	0	0	0	0	0	Aug-18
The former Yugoslav Republic of Macedonia	2 085 315	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Turkey	81 086 257	0.14	11	0	0	0	0	1	0	4	3	1	1	0	1	Aug-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jul-18
Ukraine	44 170 002	4.21	186	-	-	-	-	24	42	17	32	20	12	11	28	Aug-18
United Kingdom	65 912 569	0.05	3	0	1	1	0	0	1	0	0	0	0	0	0	Aug-18
Uzbekistan	31 064 765	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Aug-18
Total/Averages	917 084 469	0.92	846	38	54	46	46	82	97	75	97	93	81	63	74	

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

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not achieving the target (<1 per million population) are highlighted in red.

³ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Table 3: Measles classification, reporting and surveillance performance, January — August 2018 (data as of 01 October 2018)

Country	Total Population in 2018 ¹	2017 (as of 01 October 2018)			2018														
		Incidence Rate (per 1 million population) ²	Total measles cases ³	Total measles death	Annualized Incidence Rate (per 1 million population) ²	Total measles cases ³	Classification			Discarded Measles	Imported cases	Measles Death	Reporting			Surveillance Indicators ⁷			
							Lab confirmed	Epi-Link	Clinically compatible ⁴				Completeness ⁵	Timeliness ⁵	Month & year of last report	Laboratory investigation rate ⁵	Rate of discarded cases ⁶	Origin of infection ⁵	Timeliness of investigation ⁵
Albania	2 919 422	0.69	12	0	309.19	1367	1276	0	91	1194	13	2	100%	25%	Aug-18	97%	40.90	100.0%	78%
Andorra	68 915	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	100%	Aug-18	-	0.00	-	-
Armenia	3 034 998	0.33	1	0	0.00	17	17	0	0	180	17	0	100%	75%	Aug-18	100%	5.93	100.0%	99%
Austria	8 613 647	9.64	94	0	3.79	66	59	6	1	21	17	0	100%	100%	Aug-18	78%	0.24	100.0%	14%
Azerbaijan	10 070 075	0.00	0	0	0.00	0	0	0	0	73	0	0	100%	100%	Aug-18	100%	0.72	-	100%
Belarus	9 429 102	0.00	1	0	15.20	216	216	0	0	333	1	0	100%	63%	Aug-18	100%	3.53	0.5%	0
Belgium	11 513 025	31.88	367	0	4.92	85	69	14	2	0	0	0	100%	100%	Aug-18	-	-	-	-
Bosnia and Herzegovina	3 782 297	7.14	27	0	15.86	90	45	0	45	0	0	0	100%	38%	Aug-18	-	-	-	-
Bulgaria	6 992 150	23.60	166	1	0.29	8	8	0	0	0	5	0	100%	100%	Aug-18	100%	0.00	100.0%	100%
Croatia	4 194 538	1.67	7	0	2.23	22	22	0	0	4	8	0	100%	88%	Aug-18	100%	0.10	100.0%	0
Cyprus	1 198 198	0.83	4	0	5.01	14	14	0	0	0	5	0	100%	100%	Aug-18	100%	0.00	100.0%	0
Czech Republic	10 563 111	13.44	146	0	8.27	158	155	1	2	0	27	0	100%	75%	Aug-18	0%	0.00	98.7%	0
Denmark	5 732 713	0.35	4	0	0.35	4	4	0	0	0	1	0	100%	100%	Aug-18	100%	0.00	100.0%	0
Estonia	1 302 401	0.00	1	0	3.58	10	10	0	0	48	3	0	100%	100%	Aug-18	100%	3.69	100.0%	100%
Finland	5 556 439	0.72	10	0	0.48	7	7	0	0	0	3	0	100%	100%	Aug-18	100%	0.00	42.9%	0
France	65 205 671	7.50	519	1	26.64	2686	1294	545	847	1	80	3	100%	100%	Aug-18	79%	0.00	83.1%	0.1%
Georgia	3 973 681	23.66	96	0	189.25	1129	870	65	194	321	1	2	75%	63%	Jul-18	86%	8.08	99.6%	96%
Germany	80 560 850	10.80	936	1	3.55	474	392	56	26	0	45	0	100%	100%	Aug-18	92%	0.00	81.0%	0
Greece	10 871 762	97.87	1067	2	133.86	2186	1229	492	465	67	3	2	100%	100%	Aug-18	74%	0.62	9.6%	0
Hungary	9 754 429	3.18	36	0	0.48	13	13	0	0	19	6	0	100%	100%	Aug-18	100%	0.19	92.3%	91%
Iceland	336 938	2.97	3	0	0.00	0	0	0	0	0	0	-	100%	100%	Aug-18	-	0.00	-	-
Ireland	4 790 845	5.22	25	0	10.71	80	68	3	9	0	3	0	100%	100%	Aug-18	99%	0.00	71.3%	85%
Israel	8 455 489	1.77	16	0	26.49	339	224	110	5	0	3	0	100%	63%	Aug-18	99%	0.00	0.9%	77%
Italy	59 788 104	89.60	5403	4	24.53	2246	1727	141	378	164	46	6	100%	100%	Aug-18	84%	0.27	88.4%	0
Kazakhstan	18 256 484	0.11	2	0	0.07	2	1	0	1	0	0	0	75%	75%	Jul-18	-	-	-	-
Kyrgyzstan	6 213 441	0.48	5	0	42.06	396	351	25	20	553	4	0	100%	63%	Aug-18	98%	8.90	97.5%	79%
Latvia	1 935 780	2.07	5	0	4.13	15	15	0	0	0	3	0	100%	100%	Aug-18	100%	0.00	20.0%	100%
Lithuania	2 817 402	0.00	2	0	0.00	2	2	0	0	0	2	0	100%	88%	Aug-18	100%	0.00	100.0%	50%
Luxembourg	591 126	1.69	4	0	0.00	3	3	0	0	0	3	0	100%	100%	Aug-18	100%	0.00	100.0%	100%
Malta	421 387	0.00	0	-	1.58	5	5	0	0	0	4	0	100%	100%	Aug-18	100%	0.00	100.0%	0
Monaco	38 166	0.00	0	-	0.00	0	0	0	0	0	0	-	75%	63%	Jul-18	-	0.00	-	-
Montenegro	626 240	0.00	0	0	31.94	32	3	0	29	1	2	0	63%	38%	May-18	15%	0.16	6.3%	9%
Netherlands	17 084 531	0.59	16	0	0.55	22	20	2	0	0	8	0	100%	100%	Aug-18	0%	0.00	100.0%	0
Norway	5 387 342	0.00	1	0	0.49	10	10	0	0	0	6	0	100%	100%	Aug-18	100%	0.00	80.0%	100%
Poland	38 522 728	1.38	63	0	0.99	83	62	6	15	0	26	0	100%	100%	Aug-18	86%	0.00	100.0%	100%
Portugal	10 229 432	3.13	34	1	8.08	131	123	0	8	340	7	0	100%	88%	Aug-18	97%	3.32	90.8%	73%
Republic of Moldova	4 044 534	0.00	0	-	44.67	271	158	113	0	0	0	0	100%	88%	Aug-18	-	-	-	-
Romania	19 105 089	394.82	7567	22	28.40	827	668	140	19	0	13	22	100%	100%	Aug-18	97%	0.00	100.0%	100%
Russian Federation	143 261 490	6.29	926	0	8.04	1792	1724	56	12	2157	64	3	100%	100%	Aug-18	99%	1.51	100.0%	46%
San Marino	32 241	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	75%	Aug-18	-	0.00	-	-
Serbia	8 742 764	80.29	702	1	382.72	5019	2607	0	2412	0	0	14	100%	100%	Aug-18	-	-	-	-
Slovakia	5 434 237	1.29	10	0	52.63	438	265	173	0	11	9	0	100%	100%	Aug-18	1%	0.20	98.6%	100%
Slovenia	2 073 018	2.89	8	0	1.93	8	8	0	0	0	2	0	100%	100%	Aug-18	88%	0.00	37.5%	100%
Spain	46 116 884	2.84	149	0	2.63	203	196	7	0	86	21	0	100%	100%	Aug-18	100%	0.19	12.8%	96%
Sweden	9 987 062	3.50	46	0	1.00	30	30	0	0	0	15	0	100%	100%	Aug-18	100%	0.00	100.0%	0
Switzerland	8 523 590	11.50	105	1	1.10	32	27	5	0	87	18	0	100%	100%	Aug-18	100%	1.02	93.8%	29%
Tajikistan	9 046 723	71.96	651	0	0.00	0	0	0	0	49	0	0	100%	88%	Aug-18	100%	0.54	-	88%
The former Yugoslav Republic of Macedonia	2 085 315	9.59	20	0	14.71	46	35	10	1	0	0	0	100%	63%	Aug-18	-	-	-	-
Turkey	81 086 257	0.81	69	0	3.72	509	507	1	1	2762	56	0	100%	50%	Aug-18	100%	3.41	20.2%	98%
Turkmenistan	5 565 070	0.00	0	-	0.00	0	0	0	0	36	0	0	88%	0%	Jul-18	100%	0.65	-	100%
Ukraine	44 170 002	108.26	4782	5	444.71	29464	5082	0	24382	0	0	13	100%	75%	Aug-18	-	-	-	-
United Kingdom	65 912 569	2.32	282	0	7.64	856	856	0	0	0	101	0	100%	88%	Aug-18	100%	0.00	97.8%	0
Uzbekistan	31 064 765	0.00	0	0	0.30	14	14	0	0	46	0	0	100%	88%	Aug-18	100%	0.15	100.0%	100%
Total/Averages	917 084 469	26.11	24390	39	36.91	51427	20491	1971	28965	8553	651	67	97.6%	85.1%		90.6%	1.04	24.1%	48.1%

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, Serbia, the former Yugoslav Republic of Macedonia, Ukraine.

¹ Data source: "World Population Prospects: The 2015 Revision", New York, United Nations.

² Incidence rates not meeting the target (<1 per million population) are highlighted in red. Imported measles cases are excluded from the numerator while calculating the incidence rate.

³ All confirmed measles cases regardless of origin.

⁴ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

⁵ Target (>=80%) not achieving are highlighted in red.

⁶ Discard rates not achieving the target (>=2 discarded cases per 100 000) are highlighted in red.

⁷ -

Table 4: Rubella classification, reporting and surveillance performance, January — August 2018 (data as of 01 October 2018)

Country	Total Population in 2018 ¹	2017 (as of 01 October 2018)		2018													
		Incidence Rate (per 1 million population) ²	Total rubella cases ³	Annualized Incidence Rate (per 1 million population) ²	Total rubella cases ³	Classification			Discarded Rubella	Imported cases	Reporting			Surveillance Indicators ⁷			
						Lab confirmed	Epi-Link	Clinically compatible ⁴			Completeness ⁵	Timeliness ⁵	Month & year of last report	Laboratory investigation rate ⁵	Rate of discarded cases ⁶	Origin of infection ⁵	Timeliness of investigation ⁵
Albania	2 919 422	0.00	0	0.00	0	0	0	0	0	0	100%	25%	Aug-18	-	0.00	-	-
Andorra	68 915	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Armenia	3 034 998	0.00	0	0.00	0	0	0	0	4	0	100%	75%	Aug-18	100%	0.13	-	100%
Austria	8 613 647	4.53	42	0.39	5	5	0	0	0	0	100%	100%	Aug-18	100%	0.00	100%	0
Azerbaijan	10 070 075	0.00	0	0.00	0	0	0	0	45	0	100%	100%	Aug-18	100%	0.45	-	100%
Belarus	9 429 102	0.11	1	0.00	1	1	0	0	222	1	100%	63%	Aug-18	0%	2.35	100%	0
Belgium ⁸	11 513 025	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 782 297	0.26	1	0.35	2	0	0	2	0	0	88%	25%	Aug-18	-	-	-	-
Bulgaria	6 992 150	0.00	0	0.10	1	0	0	1	0	0	100%	100%	Aug-18	0%	0.00	0%	100%
Croatia	4 194 538	0.00	0	0.00	0	0	0	0	0	0	100%	75%	Aug-18	-	0.00	-	-
Cyprus	1 198 198	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Czech Republic	10 563 111	0.09	2	0.13	2	1	1	0	0	0	100%	38%	Aug-18	100%	0.00	100%	0
Denmark ⁸	5 732 713	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 302 401	0.00	0	0.00	0	0	0	0	8	0	100%	100%	Aug-18	100%	0.61	-	100%
Finland	5 556 439	0.18	1	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
France ⁸	65 205 671	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 973 681	1.26	5	0.00	0	0	0	0	52	0	75%	25%	Jul-18	67%	1.31	-	100%
Germany	80 560 850	0.91	74	0.34	41	9	0	32	0	0	100%	100%	Aug-18	22%	0.00	59%	0
Greece	10 871 762	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Hungary	9 754 429	0.00	0	0.00	0	0	0	0	7	0	100%	63%	Aug-18	100%	0.07	-	100%
Iceland	336 938	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Ireland	4 790 845	0.00	0	0.70	5	0	0	5	0	0	100%	100%	Aug-18	20%	0.00	20%	60%
Israel	8 455 489	0.00	0	0.08	1	0	0	1	0	0	100%	50%	Aug-18	100%	0.00	0%	100%
Italy	59 788 104	1.12	68	0.19	18	6	4	8	12	1	100%	100%	Aug-18	92%	0.02	61%	0
Kazakhstan	18 256 484	0.00	0	0.00	0	0	0	0	0	0	75%	63%	Jul-18	-	-	-	-
Kyrgyzstan	6 213 441	0.64	4	0.86	8	8	0	0	0	0	100%	63%	Aug-18	100%	0.00	100%	75%
Latvia	1 935 780	0.00	0	0.69	3	3	0	0	0	1	100%	88%	Aug-18	100%	0.00	100%	33%
Lithuania	2 817 402	0.00	0	0.24	1	1	0	0	0	0	100%	88%	Aug-18	100%	0.00	100%	0
Luxembourg	591 126	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Malta	421 387	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 240	0.00	0	0.00	0	0	0	0	0	0	63%	38%	May-18	-	0.00	-	-
Netherlands	17 084 531	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Norway	5 387 342	0.00	0	0.00	0	0	0	0	0	0	100%	88%	Aug-18	-	0.00	-	-
Poland	38 522 728	12.36	476	6.23	360	3	1	356	0	0	100%	100%	Aug-18	-	-	-	-
Portugal	10 229 432	0.39	4	0.20	4	2	0	2	9	1	100%	88%	Aug-18	77%	0.09	100%	54%
Republic of Moldova	4 044 534	0.00	0	0.00	0	0	0	0	0	0	88%	75%	Aug-18	-	-	-	-
Romania	19 105 089	0.47	9	0.14	4	2	0	2	0	0	100%	75%	Aug-18	75%	0.00	100%	100%
Russian Federation	143 261 490	0.04	7	0.01	3	3	0	0	0	1	100%	100%	Aug-18	100%	0.00	100%	100%
San Marino	32 241	0.00	0	0.00	0	0	0	0	0	0	100%	75%	Aug-18	-	0.00	-	-
Serbia	8 742 764	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Slovakia	5 434 237	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Slovenia	2 073 018	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Aug-18	-	0.00	-	-
Spain	46 116 884	0.00	1	0.04	3	2	0	1	4	0	100%	100%	Aug-18	86%	0.01	33%	86%
Sweden	9 987 062	0.00	0	0.00	0	0	0	0	1	0	100%	100%	Aug-18	100%	0.01	-	100%
Switzerland	8 523 590	0.12	1	0.16	2	2	0	0	22	0	100%	100%	Aug-18	92%	0.26	50%	8%
Tajikistan	9 046 723	0.11	1	0.00	0	0	0	0	16	0	100%	88%	Aug-18	100%	0.18	-	100%
The former Yugoslav Republic of Macedonia	2 085 315	0.00	0	0.00	0	0	0	0	0	0	100%	50%	Aug-18	-	-	-	-
Turkey	81 086 257	0.02	2	0.09	11	11	0	0	2586	0	100%	50%	Aug-18	0%	3.19	18%	0.3%
Turkmenistan	5 565 070	0.00	0	0.00	0	0	0	0	41	0	88%	0%	Jul-18	100%	0.74	-	100%
Ukraine	44 170 002	-	-	2.81	186	11	0	175	0	0	100%	63%	Aug-18	-	-	-	-
United Kingdom	65 912 569	0.00	3	0.00	1	1	0	0	0	1	100%	75%	Aug-18	100%	0.00	100%	0
Uzbekistan	31 064 765	0.03	1	0.00	0	0	0	0	5	0	100%	88%	Aug-18	100%	0.02	-	100%
Total/Averages	917 084 469	0.75	703	0.48	662	71	6	585	3034	6	90.1%	73.3%		84.2%	0.42	10.9%	7.1%

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

¹ Data source: World Population Prospects: The 2015 Revision¹, New York, United Nations.

² Incidence rates not meeting the target (<1 per million population) are highlighted in red. Imported rubella cases are excluded from the numerator while calculating the incidence rate.

³ All confirmed rubella cases regardless of origin.

⁴ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

⁵ Target (>=80%) not achieving are highlighted in red.

⁶ Discard rates not achieving the target (>=2 discarded cases per 100 000) are highlighted in red.

⁷ Surveillance indicators could not be calculated for Member States submitting aggregate data.

⁸ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Table 5: Measles and rubella laboratory test results, January — August 2018 (data as of 01 October 2018)

Country	Measles				Rubella				Reporting to CISID / MRLDMS		
	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	2468	1247 (51.0)	B3	36%	0	0	-	-	100%	63%	Aug-18
Andorra			-								No Lab
Armenia	209	17 (8.0)	D8	100%	209	0 (0.0)	-	-	100%	50%	Aug-18
Austria	1109	54 (5.0)	B3,D8	80%	3521	9 (0.0)	-	-	100%	100%	Aug-18
Azerbaijan	119	0 (0.0)	-	-	184	0 (0.0)	-	-	100%	100%	Aug-18
Belarus	642	270 (42.0)	B3,D8	83%	361	3 (1.0)	2B	100%	100%	88%	Aug-18
Belgium	202	62 (31.0)	B3,D8	81%	81	7 (9.0)	-	-	88%	38%	Jul-18
Bosnia and Herzegovina	81	30 (37.0)	B3	0%	81	4 (5.0)	-	-	100%	38%	Aug-18
Bulgaria	195	20 (10.0)	B3	0%	95	0 (0.0)	-	-	100%	88%	Aug-18
Croatia	75	-	B3,D8	43%	25	0 (0.0)	-	-	75%	13%	Jun-18
Cyprus	173	18 (10.0)	-	-	218	0 (0.0)	-	-	88%	50%	Jul-18
Czech Republic	444	147 (33.0)	D8	0%	0	0	-	-	100%	100%	Aug-18
Denmark	632	25 (4.0)	B3,D8	75%	25	2 (8.0)	-	-	100%	100%	Aug-18
Estonia	144	17 (12.0)	-	-	251	1 (0.0)	-	-	88%	88%	Jul-18
Finland	99	16 (16.0)	D8	100%	99	5 (5.0)	-	-	100%	100%	Aug-18
France	1389	494 (36.0)	B3,D8	56%	496	0 (0.0)	-	-	100%	38%	Aug-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	524	444 (85.0)	B3	55%	0	0	-	-	75%	13%	Jun-18
Hungary	222	27 (12.0)	B3,D8	100%	121	0 (0.0)	-	-	100%	100%	Aug-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	1518	139 (9.0)	B3,D8	95%	1590	0 (0.0)	-	-	100%	100%	Aug-18
Israel	919	335 (36.0)	D8	35%	1082	294 (27.0)	-	-	100%	88%	Aug-18
Italy	1990	1137 (57.0)	B3,D8	60%	958	55 (6.0)	-	-	100%	88%	Aug-18
Kazakhstan	38	2 (5.0)	B3,D8	100%	36	0 (0.0)	-	-	100%	100%	Aug-18
Kyrgyzstan	677	333 (49.0)	B3	100%	626	7 (1.0)	-	-	100%	63%	Aug-18
Latvia	869	75 (9.0)	B3	100%	675	11 (2.0)	-	-	100%	50%	Aug-18
Lithuania	41	6 (15.0)	-	-	37	2 (5.0)	-	-	100%	88%	Aug-18
Luxembourg	42	1 (2.0)	B3,D8	100%	0	0	-	-	100%	100%	Aug-18
Malta	72	16 (22.0)	D8	100%	428	0 (0.0)	-	-	88%	75%	Jul-18
Monaco											No Lab
Montenegro											No Report
Netherlands	56	16 (29.0)	B3,D8	57%	44	0 (0.0)	-	-	100%	100%	Aug-18
Norway	-		B3,D8	100%	-		-	-	-	-	No Report
Poland	-		D8	100%	-		-	-	-	-	No Report
Portugal	1027	123 (12.0)	B3,D8	48%	2	1 (50.0)	-	-	100%	75%	Aug-18
Republic of Moldova	228	157 (69.0)	B3,D8	100%	200	0 (0.0)	-	-	100%	100%	Aug-18
Romania	4470	3755 (84.0)	B3,D8	42%	626	7 (1.0)	-	-	100%	63%	Aug-18
Russian Federation	5609	2411 (43.0)	B3,D8	70%	4391	47 (1.0)	-	-	100%	100%	Aug-18
San Marino											No Lab
Serbia	3715	2650 (71.0)	B3	100%	2132	14 (1.0)	-	-	100%	100%	Aug-18
Slovakia	189	58 (31.0)	D8	100%	3	0 (0.0)	-	-	100%	100%	Aug-18
Slovenia	238	16 (7.0)	B3	14%	88	0 (0.0)	-	-	100%	100%	Aug-18
Spain	-	-	B3,D8,D4	60%	-		-	-	-	-	No Report
Sweden	2190	123 (6.0)	B3,D8	88%	1173	6 (1.0)	-	-	100%	63%	Aug-18
Switzerland	126	44 (35.0)	B3,D8	81%	6	6 (100.0)	-	-	100%	100%	Aug-18
Tajikistan	61	0 (0.0)	-	-	59	0 (0.0)	-	-	100%	88%	Aug-18
The former Yugoslav Republic of Macedonia	17	7 (41.0)	-	-	3	0 (0.0)	-	-	38%	0%	May-18
Turkey	4594	560 (12.0)	-	-	3891	78 (2.0)	-	-	100%	38%	Aug-18
Turkmenistan	85	0 (0.0)	-	-	85	0 (0.0)	-	-	88%	0%	Jul-18
Ukraine	974	483 (50.0)	B3,D8	80%	258	8 (3.0)	-	-	100%	100%	Aug-18
United Kingdom	4235	939 (22.0)	B3,D8	63%	790	4 (1.0)	-	-	100%	100%	Aug-18
Uzbekistan	71	16 (23.0)	D8	-	71	0 (0.0)	-	-	100%	100%	Aug-18
Total / Average	42778	16307 (38%)	-	64%	25021	571 (2%)	-	100%	77.8%	61.1%	

¹ Data source: Aggregated monthly data provided by regional measles and rubella laboratory network (MR Labnet) to WHO/Europe. Some countries are only reporting to specimen-based MR lab data management system (MR LDMS).

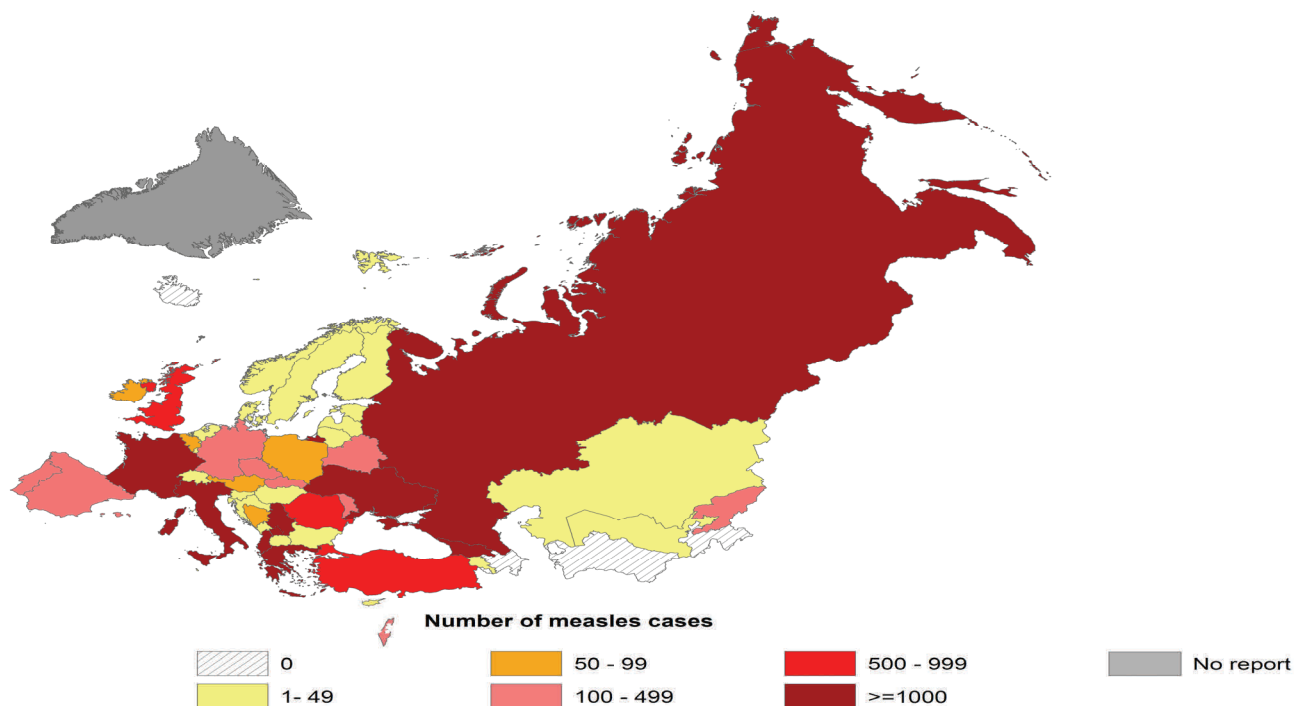
² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

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.

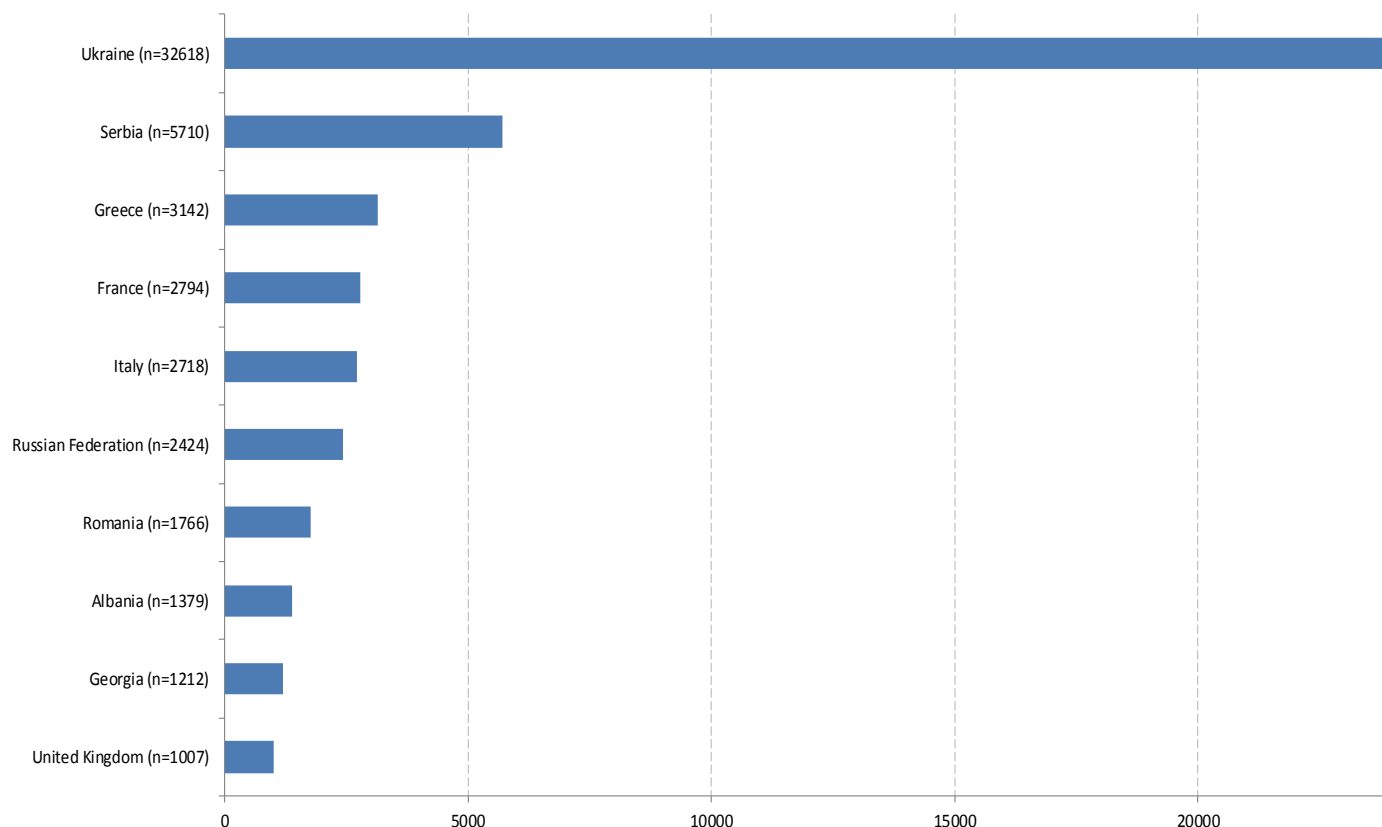
*Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.

Figure 1: Map of Measles cases, January to August 2018, WHO European Region (data as of 01 October 2018)*



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.
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Figure 2: Ten countries with the highest numbers of measles cases in the European Region in the previous 12-months September 2017 to October 2018 (data as of 01 October 2018)*



*Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe or via ECDC/TESSy