

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

Table 1: Reported measles cases for the period October 2017 — September 2018 (data as of 07 November 2018)

Country	Total Population in 2018 ¹	Incidence Rate Oct 17 - Sep 18 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	
Albania	2 919 422	478.18	1396	3	5	3	63	164	345	359	245	134	45	13	17	Sep-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Armenia	3 034 998	6.26	19	1	0	0	0	2	14	1	0	0	0	0	1	Sep-18
Austria	8 613 647	9.64	83	2	8	1	7	8	14	16	11	6	1	3	6	Sep-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Belarus	9 429 102	23.76	224	0	0	0	0	17	41	53	58	13	23	12	7	Sep-18
Belgium	11 513 025	9.12	105	0	3	1	1	6	9	11	24	22	3	11	14	Sep-18
Bosnia and Herzegovina	3 782 297	25.12	95	2	3	0	5	7	14	13	34	13	4	0	0	Sep-18
Bulgaria	6 992 150	1.14	8	0	0	0	1	0	2	1	1	0	3	0	0	Sep-18
Croatia	4 194 538	5.48	23	0	0	0	0	0	0	1	2	16	3	1	0	Sep-18
Cyprus	1 198 198	12.52	15	0	0	1	5	7	2	0	0	0	0	0	0	Sep-18
Czech Republic	10 563 111	16.57	175	0	9	1	5	8	15	10	68	41	6	5	7	Sep-18
Denmark	5 732 713	1.05	6	0	0	0	0	0	3	0	0	0	0	1	2	Sep-18
Estonia	1 302 401	7.68	10	0	0	0	0	0	4	6	0	0	0	0	0	Sep-18
Finland	5 556 439	1.26	7	0	0	0	0	0	0	1	3	0	0	3	0	Sep-18
France	65 205 671	42.50	2771	13	11	65	237	515	760	620	250	190	81	29	0	Sep-18
Georgia	3 973 681	370.19	1471	1	13	60	125	159	158	221	253	211	163	60	47	Sep-18
Germany	80 560 850	6.69	539	8	12	19	29	34	60	99	89	103	42	25	19	Sep-18
Greece	10 871 762	278.89	3032	192	304	346	466	454	501	371	249	112	29	8	0	Sep-18
Hungary	9 754 429	1.44	14	1	0	0	2	5	6	0	0	0	0	0	0	Sep-18
Iceland	336 938	2.97	1	0	1	0	0	0	0	0	0	0	0	0	0	Sep-18
Ireland	4 790 845	22.96	110	12	9	3	10	20	19	4	1	1	8	17	6	Sep-18
Israel	8 455 489	62.21	526	0	0	0	0	0	9	34	35	74	75	131	168	Sep-18
Italy	59 788 104	43.47	2599	127	66	113	214	296	374	471	427	275	124	68	44	Sep-18
Kazakhstan	18 256 484	0.33	6	0	0	0	0	0	0	1	0	-	1	-	4	Sep-18
Kyrgyzstan	6 213 441	72.10	448	0	2	2	30	15	33	69	75	99	59	23	41	Sep-18
Latvia	1 935 780	11.36	22	0	0	5	8	2	0	2	3	0	1	1	0	Sep-18
Lithuania	2 817 402	0.71	2	0	0	0	0	0	0	0	0	1	0	1	0	Sep-18
Luxembourg	591 126	6.77	4	0	1	0	0	0	0	1	0	0	0	2	0	Sep-18
Malta	421 387	11.87	5	0	0	0	0	0	0	0	0	0	5	0	0	Sep-18
Monaco	38 166	0.00	0	0	0	-	0	0	0	0	-	0	0	0	0	Sep-18
Montenegro	626 240	324.16	203	-	0	0	2	14	54	60	47	16	10	0	0	Sep-18
Netherlands	17 084 531	1.46	25	3	0	0	0	2	2	0	3	10	1	4	0	Sep-18
Norway	5 387 342	1.86	10	0	0	0	0	4	0	1	2	0	1	2	0	Sep-18
Poland	38 522 728	3.35	129	11	2	6	21	8	6	19	11	13	17	11	4	Sep-18
Portugal	10 229 432	13.20	135	0	0	0	0	4	108	13	0	3	1	3	3	Sep-18
Republic of Moldova	4 044 534	74.92	303	0	0	0	2	1	0	2	23	10	1	245	19	Sep-18
Romania	19 105 089	95.31	1821	265	338	329	101	102	105	111	104	111	100	92	63	Sep-18
Russian Federation	143 261 490	16.24	2327	130	194	188	292	292	316	252	218	218	93	111	23	Sep-18
San Marino	32 241	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Serbia	8 742 764	654.83	5725	13	286	392	901	1230	1522	684	447	170	49	16	15	Sep-18
Slovakia	5 434 237	87.22	474	0	0	8	1	0	2	3	23	87	262	63	25	Sep-18
Slovenia	2 073 018	4.34	9	0	0	1	2	0	0	0	3	3	0	0	0	Sep-18
Spain	46 116 884	4.94	228	0	1	11	6	14	53	51	41	25	15	6	5	Sep-18
Sweden	9 987 062	5.11	51	1	0	16	12	3	1	4	3	2	5	1	3	Sep-18
Switzerland	8 523 590	4.93	42	4	4	0	7	6	6	3	3	2	1	4	2	Sep-18
Tajikistan	9 046 723	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
The former Yugoslav Republic of Macedonia	2 085 315	27.33	57	8	0	1	5	5	1	0	1	3	24	7	2	Sep-18
Turkey	81 086 257	6.56	532	3	14	5	2	5	51	77	161	65	85	63	1	Sep-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Aug-18
Ukraine	44 170 002	774.69	34218	505	1001	1400	3030	3099	2618	3812	5629	4882	3877	2517	1848	Sep-18
United Kingdom	65 912 569	15.46	1019	22	65	46	55	81	148	201	154	99	82	52	14	Sep-18
Uzbekistan	31 064 765	0.55	17	0	0	0	0	0	0	0	2	7	7	0	1	Sep-18
Total/Averages	917 084 469	66.56	61041	1327	2352	3023	5647	6589	7376	7658	8703	7037	5307	3611	2411	

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, 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 October 2017 — September 2018 (data as of 07 November 2018)

Country	Total Population in 2018 ¹	Incidence Rate Oct 17 - Sep 18 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	
Albania	2 919 422	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Andorra	68 915	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Armenia	3 034 998	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Austria	8 613 647	2.32	20	2	6	7	5	0	0	0	0	0	0	0	0	Sep-18
Azerbaijan	10 070 075	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Belarus	9 429 102	0.21	2	1	0	0	1	0	0	0	0	0	0	0	0	Sep-18
Belgium ³	11 513 025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 782 297	0.53	2	0	0	0	1	0	0	0	1	-	0	0	0	Sep-18
Bulgaria	6 992 150	0.14	1	0	0	0	0	0	0	1	0	0	0	0	0	Sep-18
Croatia	4 194 538	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Cyprus	1 198 198	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Czech Republic	10 563 111	0.19	2	0	0	0	0	1	0	0	0	0	1	0	0	Sep-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	Sep-18
Finland	5 556 439	0.18	1	1	0	0	0	0	0	0	0	0	0	0	0	Sep-18
France ³	65 205 671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 973 681	0.25	1	0	1	0	0	0	0	0	0	0	0	0	0	Sep-18
Germany	80 560 850	0.81	65	11	4	2	7	3	5	5	3	8	6	6	5	Sep-18
Greece	10 871 762	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Hungary	9 754 429	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Iceland	336 938	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Ireland	4 790 845	1.04	5	0	0	0	0	1	0	1	1	0	2	0	0	Sep-18
Israel	8 455 489	0.12	1	0	0	0	0	0	1	0	0	0	0	0	0	Sep-18
Italy	59 788 104	0.42	25	2	2	2	1	2	2	4	2	2	3	1	2	Sep-18
Kazakhstan	18 256 484	0.00	0	0	0	0	0	0	0	0	0	-	0	-	0	Sep-18
Kyrgyzstan	6 213 441	1.61	10	0	1	1	4	0	3	0	0	1	0	0	0	Sep-18
Latvia	1 935 780	1.55	3	0	0	0	1	1	0	1	0	0	0	0	0	Sep-18
Lithuania	2 817 402	0.35	1	0	0	0	0	0	0	0	1	0	0	0	0	Sep-18
Luxembourg	591 126	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Malta	421 387	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Montenegro	626 240	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Netherlands	17 084 531	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Norway	5 387 342	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Poland	38 522 728	12.25	472	34	31	33	36	43	42	47	58	50	39	38	21	Sep-18
Portugal	10 229 432	0.49	5	0	0	0	0	1	0	0	0	2	0	1	1	Sep-18
Republic of Moldova	4 044 534	0.00	0	0	-	0	0	0	0	0	0	0	-	0	0	Sep-18
Romania	19 105 089	0.37	7	1	0	0	1	0	1	1	0	1	1	1	0	Sep-18
Russian Federation	143 261 490	0.03	5	1	0	1	0	0	0	0	3	0	0	0	0	Sep-18
San Marino	32 241	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-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	Sep-18
Slovenia	2 073 018	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Spain	46 116 884	0.07	3	0	0	0	0	0	0	1	1	1	0	0	0	Sep-18
Sweden	9 987 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Switzerland	8 523 590	0.23	2	0	0	0	0	1	0	0	1	0	0	0	0	Sep-18
Tajikistan	9 046 723	0.00	0	0	-	0	0	0	0	0	0	0	0	0	0	Sep-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	Sep-18
Turkey	81 086 257	0.15	12	0	0	0	1	0	4	3	1	1	0	1	1	Sep-18
Turkmenistan	5 565 070	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Aug-18
Ukraine	44 170 002	4.55	201	-	-	-	24	42	17	32	20	12	11	28	15	Sep-18
United Kingdom	65 912 569	0.06	4	1	1	0	0	1	0	0	0	0	0	0	1	Sep-18
Uzbekistan	31 064 765	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-18
Total/Averages	917 084 469	0.93	850	54	46	46	82	96	75	96	92	78	63	76	46	

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, France and Monaco do not have comprehensive rubella surveillance systems.

Table 3: Measles classification, reporting and surveillance performance, January — September 2018 (data as of 07 November 2018)

Country	Total Population in 2018 ¹	2017 (as of 07 November 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	352.47	1385	1290	0	95	1210	13	2	100%	33%	Sep-18	97%	41.45	100.0%	78%
Andorra	68 915	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	100%	Sep-18	-	0.00	-	-
Armenia	3 034 998	0.00	1	0	4.20	18	18	0	0	204	1	0	100%	78%	Sep-18	100%	6.72	83.3%	100%
Austria	8 613 647	9.64	94	0	4.61	72	65	6	1	21	19	0	100%	100%	Sep-18	79%	0.24	100.0%	15%
Azerbaijan	10 070 075	0.00	0	0	0.00	0	0	0	0	78	0	0	100%	100%	Sep-18	100%	0.77	-	100%
Belarus	9 429 102	0.00	1	0	17.74	224	224	0	0	365	1	0	100%	56%	Sep-18	100%	3.87	0.4%	0
Belgium	11 513 025	31.88	367	0	6.58	101	82	18	1	-	0	0	100%	100%	Sep-18	-	-	-	-
Bosnia and Herzegovina	3 782 297	7.14	27	0	17.85	90	45	0	45	-	0	0	100%	44%	Sep-18	-	-	-	-
Bulgaria	6 992 150	23.45	165	1	0.32	8	8	0	0	-	5	0	100%	100%	Sep-18	100%	-	100.0%	100%
Croatia	4 194 538	1.67	7	0	2.50	23	23	0	0	4	9	0	100%	89%	Sep-18	100%	0.10	100.0%	0
Cyprus	1 198 198	0.83	4	0	5.63	14	14	0	0	-	5	0	100%	100%	Sep-18	100%	-	100.0%	0
Czech Republic	10 563 111	13.44	146	0	9.59	165	162	1	2	-	30	0	100%	78%	Sep-18	0%	-	98.8%	0
Denmark	5 732 713	0.35	4	0	0.52	6	6	0	0	-	2	0	100%	100%	Sep-18	100%	-	100.0%	0
Estonia	1 302 401	0.00	1	0	4.03	10	10	0	0	49	3	0	100%	100%	Sep-18	100%	3.76	100.0%	100%
Finland	5 556 439	0.72	10	0	0.54	7	7	0	0	-	3	0	100%	100%	Sep-18	100%	-	42.9%	0
France	65 205 671	7.50	518	1	29.95	2682	1292	545	845	-	78	3	100%	100%	Sep-18	79%	-	83.1%	0
Georgia	3 973 681	23.66	96	0	263.67	1397	1091	74	232	417	0	2	100%	67%	Sep-18	87%	10.49	99.3%	97%
Germany	80 560 850	10.80	936	1	4.19	500	414	57	29	-	50	0	100%	100%	Sep-18	92%	-	80.8%	0
Greece	10 871 762	97.87	1067	2	150.87	2190	1231	492	467	67	3	2	100%	100%	Sep-18	74%	0.62	9.8%	0
Hungary	9 754 429	3.18	36	0	0.54	13	13	0	0	19	6	0	100%	100%	Sep-18	100%	0.19	92.3%	91%
Iceland	336 938	2.97	3	0	0.00	0	0	0	0	-	0	-	100%	100%	Sep-18	-	-	-	-
Ireland	4 790 845	5.22	25	0	12.99	86	70	3	13	-	3	0	100%	100%	Sep-18	99%	-	68.6%	86%
Israel	8 455 489	1.77	16	0	46.39	526	299	205	22	-	3	0	100%	67%	Sep-18	94%	-	0.6%	79%
Italy	59 788 104	89.60	5402	4	28.11	2293	1773	136	384	175	52	6	100%	100%	Sep-18	84%	0.29	88.3%	0
Kazakhstan	18 256 484	0.11	2	0	0.25	6	5	0	1	-	0	0	78%	78%	Sep-18	-	-	-	-
Kyrgyzstan	6 213 441	0.48	5	0	53.11	444	376	45	23	588	4	0	100%	67%	Sep-18	76%	9.46	97.7%	81%
Latvia	1 935 780	2.07	5	0	4.65	17	17	0	0	-	5	0	100%	100%	Sep-18	100%	-	29.4%	100%
Lithuania	2 817 402	0.00	2	0	0.00	2	2	0	0	-	2	0	100%	89%	Sep-18	100%	-	100.0%	50%
Luxembourg	591 126	1.69	4	0	0.00	3	3	0	0	-	3	0	100%	100%	Sep-18	100%	-	100.0%	100%
Malta	421 387	0.00	0	-	1.78	5	5	0	0	-	4	0	100%	100%	Sep-18	100%	-	100.0%	0
Monaco	38 166	0.00	0	-	0.00	0	0	0	0	0	0	-	89%	67%	Sep-18	-	0.00	-	-
Montenegro	626 240	0.00	0	0	225.15	203	176	4	23	69	15	0	100%	33%	Sep-18	93%	11.02	51.7%	95%
Netherlands	17 084 531	0.59	16	0	0.61	22	20	2	0	-	8	0	100%	100%	Sep-18	0%	-	100.0%	0
Norway	5 387 342	0.00	1	0	0.56	10	10	0	0	-	6	0	100%	100%	Sep-18	100%	-	80.0%	100%
Poland	38 522 728	1.38	63	0	1.54	110	83	7	20	-	31	0	100%	100%	Sep-18	85%	-	100.0%	100%
Portugal	10 229 432	3.13	34	1	9.16	135	126	0	9	344	10	0	100%	89%	Sep-18	97%	3.36	90.4%	74%
Republic of Moldova	4 044 534	0.00	0	0	54.52	303	302	1	0	75	9	0	100%	89%	Sep-18	68%	1.85	100.0%	100%
Romania	19 105 089	406.65	7794	23	34.23	889	721	149	19	-	17	22	100%	100%	Sep-18	98%	-	100.0%	100%
Russian Federation	143 261 490	6.09	898	0	9.16	1815	1746	57	12	2316	66	3	100%	100%	Sep-18	99%	1.62	100.0%	44%
San Marino	32 241	0.00	0	-	0.00	0	0	0	0	0	0	-	100%	78%	Sep-18	-	0.00	-	-
Serbia	8 742 764	80.29	702	1	431.84	5034	2618	0	2416	-	0	14	100%	100%	Sep-18	-	-	-	-
Slovakia	5 434 237	1.29	10	0	63.07	466	286	180	0	11	9	0	100%	100%	Sep-18	1%	0.20	98.7%	100%
Slovenia	2 073 018	2.89	8	0	2.17	8	8	0	0	-	2	0	100%	100%	Sep-18	88%	-	37.5%	100%
Spain	46 116 884	2.91	157	0	3.02	216	205	7	4	97	30	0	100%	100%	Sep-18	100%	0.21	18.1%	97%
Sweden	9 987 062	3.50	46	0	1.28	34	34	0	0	-	17	0	100%	100%	Sep-18	97%	-	100.0%	0
Switzerland	8 523 590	11.50	105	1	1.32	34	28	6	0	95	19	0	100%	100%	Sep-18	100%	1.11	91.2%	29%
Tajikistan	9 046 723	71.96	651	0	0.00	0	0	0	0	52	0	0	100%	89%	Sep-18	100%	0.57	-	87%
The former Yugoslav Republic of Macedonia	2 085 315	9.59	20	0	17.26	48	37	10	1	-	0	0	100%	67%	Sep-18	-	-	-	-
Turkey	81 086 257	0.81	69	0	4.20	510	508	1	1	2785	56	0	100%	56%	Sep-18	100%	3.43	20.2%	98%
Turkmenistan	5 565 070	0.00	0	-	0.00	0	0	0	0	45	0	0	89%	0%	Aug-18	100%	0.81	-	100%
Ukraine	44 170 002	108.26	4782	5	531.67	31312	5400	0	25912	-	0	14	100%	78%	Sep-18	-	-	-	-
United Kingdom	65 912 569	2.32	280	0	8.84	886	886	0	0	-	109	0	100%	89%	Sep-18	100%	-	97.9%	0
Uzbekistan	31 064 765	0.00	0	0	0.41	17	17	0	0	48	0	0	100%	89%	Sep-18	100%	0.15	100.0%	100%
Total/Averages	917 084 469	26.33	24592	40	43.86	54339	21756	2006	30577	9134	708	68	99.2%	86.2%		89.5%	1.92	24.7%	50.4%

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

Table 4: Rubella classification, reporting and surveillance performance, January — September 2018 (data as of 07 November 2018)

Country	Total Population in 2018 ¹	2017 (as of 07 November 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%	33%	Sep-18	-	0.00	-	-
Andorra	68 915	0.00	0	0.00	0	0	0	0	0	0	100%	100%	Sep-18	-	0.00	-	-
Armenia	3 034 998	0.00	0	0.00	0	0	0	0	0	0	100%	78%	Sep-18	-	0.00	-	-
Austria	8 613 647	4.53	42	0.44	5	5	0	0	-	0	100%	100%	Sep-18	100%	-	100%	0
Azerbaijan	10 070 075	0.00	0	0.00	0	0	0	0	56	0	100%	100%	Sep-18	100%	0.56	-	100%
Belarus	9 429 102	0.11	1	0.00	1	1	0	0	365	1	100%	56%	Sep-18	0%	3.87	100%	0
Belgium ⁸	11 513 025	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 782 297	0.26	1	0.40	2	0	0	2	-	0	89%	33%	Sep-18	-	-	-	-
Bulgaria	6 992 150	0.00	0	0.11	1	0	0	1	-	0	100%	100%	Sep-18	0%	-	0%	100%
Croatia	4 194 538	0.00	0	0.00	0	0	0	0	-	0	100%	78%	Sep-18	-	-	-	-
Cyprus	1 198 198	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Czech Republic	10 563 111	0.09	2	0.14	2	1	1	0	-	0	100%	44%	Sep-18	100%	-	100%	0
Denmark ⁸	5 732 713	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 302 401	0.00	0	0.00	0	0	0	0	10	0	100%	100%	Sep-18	100%	0.77	-	100%
Finland	5 556 439	0.18	1	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
France ⁸	65 205 671	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 973 681	1.26	5	0.00	0	0	0	0	61	0	100%	33%	Sep-18	72%	1.54	-	98%
Germany	80 560 850	0.91	74	0.43	48	10	0	38	-	2	100%	100%	Sep-18	21%	-	60%	0
Greece	10 871 762	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Hungary	9 754 429	0.00	0	0.00	0	0	0	0	7	0	100%	67%	Sep-18	100%	0.07	-	100%
Iceland	336 938	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Ireland	4 790 845	0.00	0	0.78	5	0	0	5	-	0	100%	100%	Sep-18	20%	-	20%	60%
Israel	8 455 489	0.00	0	0.09	1	0	0	1	-	0	100%	56%	Sep-18	100%	-	0%	100%
Italy	59 788 104	1.12	68	0.23	19	6	3	10	12	1	100%	100%	Sep-18	86%	0.02	63%	0
Kazakhstan	18 256 484	0.00	0	0.00	0	0	0	0	-	0	78%	67%	Sep-18	-	-	-	-
Kyrgyzstan	6 213 441	0.64	4	0.97	8	8	0	0	0	0	100%	67%	Sep-18	100%	0.00	100%	75%
Latvia	1 935 780	0.00	0	0.77	3	3	0	0	-	1	100%	89%	Sep-18	100%	-	100%	33%
Lithuania	2 817 402	0.00	0	0.27	1	1	0	0	-	0	100%	89%	Sep-18	100%	-	100%	0
Luxembourg	591 126	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Malta	421 387	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Monaco	38 166	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Montenegro	626 240	0.00	0	0.00	0	0	0	0	0	0	100%	33%	Sep-18	-	0.00	-	-
Netherlands	17 084 531	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Norway	5 387 342	0.00	0	0.00	0	0	0	0	-	0	100%	89%	Sep-18	-	-	-	-
Poland	38 522 728	12.36	476	7.28	374	3	2	369	-	0	100%	100%	Sep-18	-	-	-	-
Portugal	10 229 432	0.39	4	0.22	5	3	0	2	9	2	100%	89%	Sep-18	79%	0.09	100%	57%
Republic of Moldova	4 044 534	0.00	0	0.00	0	0	0	0	-	0	89%	78%	Sep-18	-	-	-	-
Romania	19 105 089	0.47	9	0.24	6	4	0	2	-	0	100%	78%	Sep-18	83%	-	100%	100%
Russian Federation	143 261 490	0.04	7	0.01	3	3	0	0	0	1	100%	100%	Sep-18	100%	0.00	100%	100%
San Marino	32 241	0.00	0	0.00	0	0	0	0	0	0	100%	78%	Sep-18	-	0.00	-	-
Serbia	8 742 764	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Slovakia	5 434 237	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Slovenia	2 073 018	0.00	0	0.00	0	0	0	0	-	0	100%	100%	Sep-18	-	-	-	-
Spain	46 116 884	0.00	1	0.05	3	2	0	1	6	0	100%	100%	Sep-18	89%	0.01	33%	89%
Sweden	9 987 062	0.00	0	0.00	0	0	0	0	1	0	100%	100%	Sep-18	100%	0.01	-	100%
Switzerland	8 523 590	0.12	1	0.18	2	2	0	0	27	0	100%	100%	Sep-18	93%	0.32	50%	10%
Tajikistan	9 046 723	0.11	1	0.00	0	0	0	0	19	0	100%	89%	Sep-18	100%	0.21	-	100%
The former Yugoslav Republic of Macedonia	2 085 315	0.00	0	0.00	0	0	0	0	-	0	100%	56%	Sep-18	-	-	-	-
Turkey	81 086 257	0.00	0	0.11	12	12	0	0	2785	0	100%	56%	Sep-18	0%	3.43	25%	0.4%
Turkmenistan	5 565 070	0.00	0	0.00	0	0	0	0	46	0	89%	0%	Aug-18	100%	0.83	-	100%
Ukraine	44 170 002	-	-	3.41	201	12	0	189	-	0	100%	67%	Sep-18	-	-	-	-
United Kingdom	65 912 569	0.00	3	0.01	2	2	0	0	-	1	100%	78%	Sep-18	100%	-	100%	0
Uzbekistan	31 064 765	0.03	1	0.00	0	0	0	0	5	0	100%	89%	Sep-18	100%	0.02	-	100%
Total/Averages	917 084 469	0.75	701	0.57	704	78	6	620	3409	9	91.4%	74.8%		84.6%	0.75	11.8%	7.2%

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 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.

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

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

Table 5: Measles and rubella laboratory test results, January — September 2018 (data as of 07 November 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	2502	1260 (50.0)	B3	0%	0	0	-	-	100%	67%	Sep-18
Andorra											No Lab
Armenia	219	18 (8.0)	D8	0%	219	0 (0.0)	-	-	100%	44%	Sep-18
Austria	1254	60 (5.0)	B3,D8	100%	3941	9 (0.0)	1E,2B	0%	100%	100%	Sep-18
Azerbaijan	136	0 (0.0)	-	-	204	0 (0.0)	-	-	100%	100%	Sep-18
Belarus	680	279 (41.0)	B3,D8	100%	399	3 (1.0)	2B	100%	100%	89%	Sep-18
Belgium	268	101 (38.0)	B3,D8	72%	100	8 (8.0)	-	-	100%	33%	Sep-18
Bosnia and Herzegovina	81	30 (37.0)	B3	67%	81	4 (5.0)	-	-	89%	89%	Aug-18
Bulgaria	199	20 (10.0)	B3	100%	99	0 (0.0)	-	-	100%	89%	Sep-18
Croatia	75	-	B3,D8	86%	25	0 (0.0)	-	-	67%	11%	Jun-18
Cyprus	203	18 (9.0)	-	-	296	0 (0.0)	-	-	100%	44%	Sep-18
Czech Republic	464	154 (33.0)	D8	50%	0	0	-	-	100%	100%	Sep-18
Denmark	762	34 (4.0)	B3,D8	100%	33	2 (6.0)	-	-	100%	100%	Sep-18
Estonia	146	17 (12.0)	-	-	292	3 (1.0)	-	-	89%	89%	Sep-18
Finland	105	16 (15.0)	D8	43%	105	5 (5.0)	-	-	100%	100%	Sep-18
France	1389	494 (36.0)	B3,D8	5%	496	0 (0.0)	2B	0%	89%	33%	Aug-18
Georgia	-	-	-	-	-	-	-	-	-	-	No Report
Germany	-	-	-	-	-	-	-	-	-	-	No Report
Greece	524	444 (85.0)	B3	7%	0	0	-	-	67%	11%	Jun-18
Hungary	236	27 (11.0)	B3,D8	100%	139	0 (0.0)	-	-	100%	100%	Sep-18
Iceland	-	-	-	-	-	-	-	-	-	-	No Report
Ireland	1718	151 (9.0)	B3,D8	100%	1797	0 (0.0)	-	-	100%	100%	Sep-18
Israel	1089	442 (41.0)	D8	94%	1243	303 (24.0)	-	-	100%	89%	Sep-18
Italy	2109	1180 (56.0)	B3,D8	41%	1012	60 (6.0)	-	-	100%	89%	Sep-18
Kazakhstan	46	6 (13.0)	B3,D8	33%	43	0 (0.0)	-	-	100%	100%	Sep-18
Kyrgyzstan	692	342 (49.0)	B3	0%	641	7 (1.0)	-	-	100%	100%	Sep-18
Latvia	885	75 (8.0)	B3	93%	695	11 (2.0)	-	-	100%	56%	Sep-18
Lithuania	44	7 (16.0)	-	-	39	2 (5.0)	-	-	100%	89%	Sep-18
Luxembourg	49	1 (2.0)	B3,D8	100%	0	0	-	-	100%	100%	Sep-18
Malta	127	18 (14.0)	B3,D8	25%	566	0 (0.0)	-	-	100%	78%	Sep-18
Monaco											No Lab
Montenegro	-	-	-	-	-	-	-	-			No Report
Netherlands	58	20 (34.0)	B3,D8	100%	54	0 (0.0)	-	-	100%	100%	Sep-18
Norway	-	-	B3,D8	100%	-	-	-	-	-	-	No Report
Poland	-	-	D8	44%	-	-	-	-	-	-	No Report
Portugal	1045	127 (12.0)	B3,D8	21%	4	2 (50.0)	-	-	100%	78%	Sep-18
Republic of Moldova	254	166 (65.0)	B3,D8	0%	226	0 (0.0)	-	-	100%	100%	Sep-18
Romania	4560	3815 (84.0)	B3,D8	70%	657	8 (1.0)	-	-	100%	67%	Sep-18
Russian Federation	6313	2588 (41.0)	B3,D8	62%	5172	50 (1.0)	-	-	100%	100%	Sep-18
San Marino											No Lab
Serbia	4773	2650 (56.0)	B3,D8	0%	2132	14 (1.0)	-	-	100%	100%	Sep-18
Slovakia	195	59 (30.0)	D8	0%	4	0 (0.0)	-	-	100%	100%	Sep-18
Slovenia	248	16 (6.0)	B3	100%	97	0 (0.0)	-	-	100%	100%	Sep-18
Spain	-	-	B3,D8,D4	41%	-	-	-	-	-	-	No Report
Sweden	2190	123 (6.0)	B3,D8	100%	1173	6 (1.0)	-	-	89%	56%	Aug-18
Switzerland	136	49 (36.0)	B3,D8	94%	9	9 (100.0)	-	-	100%	100%	Sep-18
Tajikistan	71	0 (0.0)	-	-	68	0 (0.0)	-	-	78%	78%	Sep-18
The former Yugoslav Republic of Macedonia	17	7 (41.0)	-	-	3	0 (0.0)	-	-	33%	0%	May-18
Turkey	5015	651 (13.0)	B3,D8	13%	4201	82 (2.0)	-	-	100%	44%	Sep-18
Turkmenistan	90	0 (0.0)	-	-	90	0 (0.0)	-	-	89%	89%	Aug-18
Ukraine	1004	490 (49.0)	B3,D8	3%	269	9 (3.0)	-	-	100%	89%	Sep-18
United Kingdom	4724	998 (21.0)	B3,D8	98%	1030	6 (1.0)	-	-	100%	100%	Sep-18
Uzbekistan	77	17 (22.0)	D8	33%	77	0 (0.0)	-	-	100%	89%	Sep-18
Total / Average	46772	16987 (36%)	-	59%	27731	603 (2%)	-	17%	77.1%	63.9%	

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).

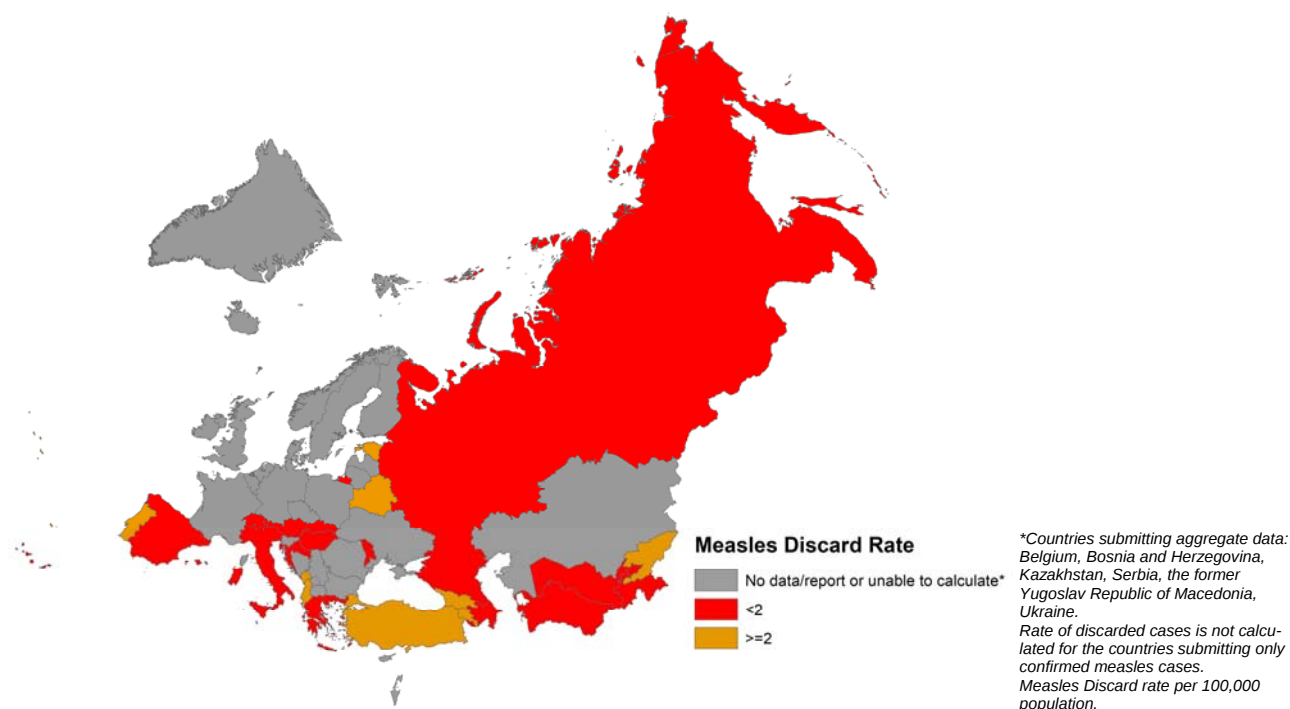
² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

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.

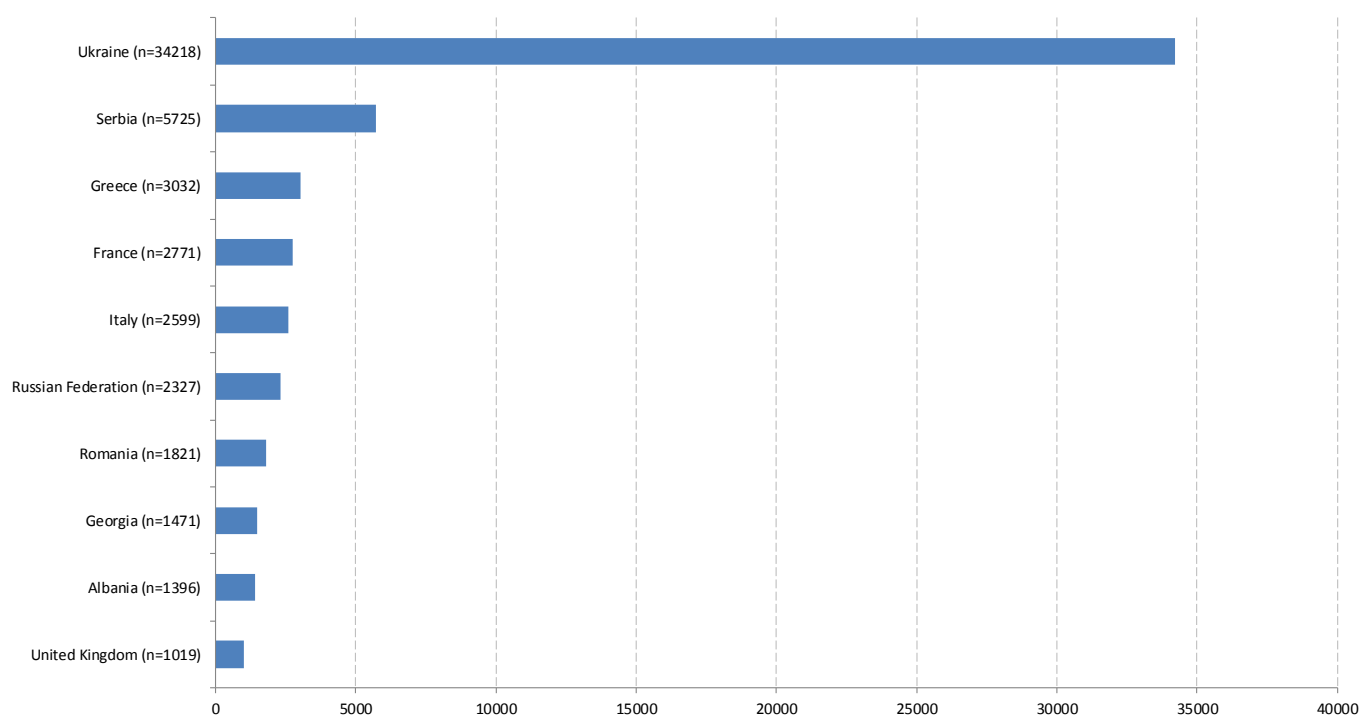
**Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.*

Figure 1: Map of Measles discard rate*, January to September 2018, WHO European Region**



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.

Figure 2: Ten countries with the highest numbers of measles cases in the European Region in the previous 12-months October 2017 to September 2018 (data as of 07 November 2018)**



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