

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

Table 1: Reported measles cases for the period January — December 2017 (data as of 02 February 2018)

Country	Total Population in 2017 ¹	Incidence Rate Jan - Dec 17 (per 1 million population) ²	Total measles cases	Month and year of rash onset												Month & year of last report
				Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Albania	2 911 428	0.0	0	0	0	0	0	0	0	0	0	0	0	-	-	Oct-17
Andorra	68 727	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Armenia	3 031 670	0.3	1	0	0	0	0	0	-	0	0	0	1	0	0	Dec-17
Austria	8 592 400	10.9	94	33	29	7	2	7	0	2	2	1	2	8	1	Dec-17
Azerbaijan	9 973 697	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Belarus	9 458 535	0.1	1	0	0	1	0	0	0	0	0	0	0	0	0	Dec-17
Belgium	11 443 830	32.2	369	26	79	151	35	21	34	16	1	2	0	3	1	Dec-17
Bosnia and Herzegovina	3 792 759	7.1	27	2	7	2	3	-	2	3	1	2	2	3	-	Nov-17
Bulgaria	7 045 259	23.7	167	0	0	23	42	57	39	6	0	0	0	0	0	Dec-17
Croatia	4 209 815	1.7	7	2	5	0	0	0	0	0	0	0	0	0	0	Dec-17
Cyprus	1 187 575	2.5	3	0	0	0	0	2	1	0	0	0	0	0	0	Dec-17
Czech Republic	10 555 130	13.8	146	0	3	35	58	36	3	1	0	0	0	9	1	Dec-17
Denmark	5 711 837	0.7	4	0	0	1	0	0	0	0	3	0	0	0	0	Dec-17
Estonia	1 305 755	0.8	1	0	0	0	0	1	0	0	0	0	0	0	0	Dec-17
Finland	5 541 274	1.8	10	0	0	0	0	0	1	7	2	0	0	0	0	Dec-17
France	64 938 716	8.0	520	34	54	49	62	116	43	39	15	19	13	11	65	Dec-17
Georgia	3 972 532	24.2	96	0	0	0	2	0	1	1	9	9	1	13	60	Dec-17
Germany	80 636 124	11.5	927	89	176	192	189	125	39	46	32	8	8	12	11	Dec-17
Greece	10 892 931	88.8	967	0	0	0	0	3	2	13	93	114	192	304	246	Dec-17
Hungary	9 787 905	3.7	36	1	11	3	0	0	0	9	10	1	1	0	0	Dec-17
Iceland	334 303	9.0	3	0	0	2	0	0	0	0	0	0	0	1	0	Dec-17
Ireland	4 749 153	4.4	21	0	0	0	0	0	0	0	0	0	12	8	1	Dec-17
Israel	8 323 248	1.8	15	0	0	-	-	7	8	0	0	0	0	-	-	Oct-17
Italy	59 797 978	83.7	5006	288	464	903	816	745	596	540	237	158	122	57	80	Dec-17
Kazakhstan	18 064 470	0.1	2	0	0	0	-	1	1	0	0	0	0	0	0	Dec-17
Kyrgyzstan	6 124 945	0.8	5	0	1	0	0	0	0	0	0	0	0	2	2	Dec-17
Latvia	1 944 565	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Lithuania	2 830 582	0.7	2	0	0	1	0	0	1	0	0	0	0	0	0	Dec-17
Luxembourg	584 103	6.8	4	0	0	3	0	0	0	0	0	0	0	1	0	Dec-17
Malta	420 521	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	0	0	0	-	Nov-17
Montenegro	626 250	0.0	0	0	0	0	0	0	0	0	0	0	-	-	-	Sep-17
Netherlands	17 032 845	0.9	16	0	0	0	2	6	2	1	1	1	3	0	0	Dec-17
Norway	5 330 800	0.2	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-17
Poland	38 563 573	1.5	57	6	2	4	5	5	5	1	3	13	11	2	0	Dec-17
Portugal	10 264 797	3.3	34	0	2	10	18	4	0	0	0	0	0	0	0	Dec-17
Republic of Moldova	4 054 640	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Romania	19 237 513	289.1	5562	484	852	1326	1175	1029	100	100	102	91	102	101	100	Dec-17
Russian Federation	143 375 006	2.8	408	17	13	17	14	49	53	50	43	67	64	21	-	Nov-17
San Marino	32 104	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Serbia	8 776 940	80.0	702	0	6	0	0	4	1	0	0	0	13	286	392	Dec-17
Slovakia	5 432 157	1.7	9	0	0	0	2	0	0	0	0	0	0	0	7	Dec-17
Slovenia	2 071 252	3.4	7	2	4	0	0	0	0	0	0	0	0	0	1	Dec-17
Spain	46 070 146	3.3	152	10	29	22	10	37	18	6	6	2	0	2	10	Dec-17
Sweden	9 920 624	4.1	41	2	8	8	3	3	0	0	2	3	1	0	11	Dec-17
Switzerland	8 454 083	12.4	105	16	26	17	10	0	0	1	10	17	4	4	0	Dec-17
Tajikistan	8 858 115	73.3	649	44	67	97	228	149	51	11	2	0	0	0	0	Dec-17
The former Yugoslav Republic of Macedonia	2 083 308	9.6	20	0	0	0	0	0	0	0	-	11	8	0	1	Dec-17
Turkey	80 417 526	0.9	69	3	0	3	12	17	0	0	11	1	3	14	5	Dec-17
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	107.4	4767	25	14	43	89	311	461	428	242	248	505	1001	1400	Dec-17
United Kingdom	65 511 098	4.3	282	10	1	8	17	34	25	22	14	18	22	65	46	Dec-17
Uzbekistan	30 690 914	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Total/Averages	914 981 109	23.30	21315	1094	1853	2928	2794	2769	1487	1304	841	786	1090	1928	2441	

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

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

² Incidence not meeting the target (<1) is highlighted in red.

Member States submitting aggregate data: Belgium, Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, San Marino, Serbia, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine.

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 January — December 2017 (data as of 02 February 2018)

Country	Total Population in 2017 ¹	Incidence Rate Jan - Dec 17 (per 1 million population) ²	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
Albania	2 911 428	0.0	0	0	0	0	0	0	0	0	0	0	0	-	-	Oct-17
Andorra	68 727	0.0	0	0	0	0	0	0	-	0	0	0	0	0	0	Dec-17
Armenia	3 031 670	0.0	0	0	0	0	0	0	-	0	0	0	0	0	0	Dec-17
Austria	8 592 400	4.5	39	0	6	18	1	1	0	0	0	0	2	6	5	Dec-17
Azerbaijan	9 973 697	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Belarus	9 458 535	0.1	1	0	0	0	0	0	0	0	0	0	1	0	0	Dec-17
Belgium ³	11 443 830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 792 759	0.3	1	0	0	-	0	-	0	0	1	0	0	0	-	Nov-17
Bulgaria	7 045 259	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Croatia	4 209 815	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Cyprus	1 187 575	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Czech Republic	10 555 130	0.2	2	0	0	1	1	0	0	0	0	0	0	0	0	Dec-17
Denmark ³	5 711 837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Estonia	1 305 755	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Finland	5 541 274	0.2	1	0	0	0	0	0	0	0	0	0	1	0	0	Dec-17
France ³	64 938 716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 972 532	1.3	5	1	1	0	0	0	1	1	0	0	0	1	0	Dec-17
Germany	80 636 124	0.9	72	6	4	7	12	7	7	5	5	3	11	3	2	Dec-17
Greece	10 892 931	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Hungary	9 787 905	0.0	0	0	-	-	0	0	0	0	0	0	0	0	0	Dec-17
Iceland	334 303	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Ireland	4 749 153	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Israel	8 323 248	0.0	0	0	0	-	-	0	0	0	0	0	0	-	-	Oct-17
Italy	59 797 978	1.1	65	3	8	14	11	12	6	2	1	2	2	2	2	Dec-17
Kazakhstan	18 064 470	0.0	0	0	0	0	-	0	0	0	0	0	0	0	0	Dec-17
Kyrgyzstan	6 124 945	0.7	4	0	1	1	0	0	0	0	0	0	0	1	1	Dec-17
Latvia	1 944 565	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Lithuania	2 830 582	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Luxembourg	584 103	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Malta	420 521	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 250	0.0	0	0	0	0	0	0	0	0	0	-	-	-	-	Aug-17
Netherlands	17 032 845	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Norway	5 330 800	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Poland	38 563 573	12.9	496	49	39	44	43	57	45	44	37	31	40	34	33	Dec-17
Portugal	10 264 797	0.4	4	0	1	1	0	0	0	0	0	2	0	0	0	Dec-17
Republic of Moldova	4 054 640	0.0	0	0	0	0	0	0	0	0	0	0	0	-	0	Dec-17
Romania	19 237 513	0.4	8	0	2	-	1	2	0	1	1	0	1	0	0	Dec-17
Russian Federation	143 375 006	0.0	6	0	0	1	1	2	0	0	1	0	1	0	-	Nov-17
San Marino	32 104	-	-	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Slovakia	5 432 157	0.2	1	0	0	1	0	0	0	0	0	0	0	0	0	Dec-17
Slovenia	2 071 252	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Spain	46 070 146	0.0	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-17
Sweden	9 920 624	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Switzerland	8 454 083	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-17
Tajikistan	8 858 115	0.1	1	1	0	-	0	0	0	0	0	0	0	-	0	Dec-17
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	0	0	0	0	0	0	0	-	0	0	0	0	Dec-17
Turkey	80 417 526	0.0	2	0	0	0	0	2	0	0	0	0	0	0	0	Dec-17
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
United Kingdom	65 511 098	0.0	3	0	0	0	1	0	0	0	0	0	1	1	0	Dec-17
Uzbekistan	30 690 914	0.0	1	0	0	0	0	1	0	0	0	0	0	0	0	Dec-17
Total/Averages	914 981 109	0.78	713	60	62	88	71	84	59	54	46	38	60	48	43	

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

¹ Source: "World Population Prospects: The 2015 Revision", New York, United Nations.² Incidence not meeting the target (<1) is highlighted in red.³ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, San Marino, Serbia, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine.

Table 3: Measles classification, reporting and surveillance performance, January — December 2017 (data as of 02 February 2018)

Country	Total Population in 2017 ¹	2016 (as of 02 February 2018)			2017														
		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			
							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	2 911 428	0.0	0	-	0.0	0	0	0	0	0	0	0	83%	67%	Oct-17	-	0.00	-	-
Andorra	68 727	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	75%	Dec-17	-	0.00	-	-
Armenia	3 031 670	0.7	2	0	0.3	1	1	0	0	60	0	0	92%	75%	Dec-17	100%	1.98	1.6%	98%
Austria	8 592 400	1.6	28	0	9.7	94	82	11	1	52	11	0	100%	100%	Dec-17	70%	0.61	63.7%	6%
Azerbaijan	9 973 697	0.0	0	0	0.0	0	0	0	0	88	0	0	100%	100%	Dec-17	100%	0.88	0	83%
Belarus	9 458 535	1.6	29	0	0.0	1	1	0	0	329	1	0	100%	100%	Dec-17	100%	3.48	0.3%	0%
Belgium	11 443 830	6.6	78	0	32.2	369	24	0	345	0	0	0	100%	83%	Dec-17	0%	0.00	0	0
Bosnia and Herzegovina	3 792 759	11.9	45	0	7.1	27	0	0	27	0	0	0	83%	58%	Nov-17	0%	0.00	0	0
Bulgaria	7 045 259	0.1	1	0	23.6	167	87	67	13	3	1	1	92%	92%	Dec-17	95%	0.04	80.6%	100%
Croatia	4 209 815	0.0	4	0	1.7	7	7	0	0	3	0	0	100%	83%	Dec-17	100%	0.07	50.0%	0
Cyprus	1 187 575	0.0	0	-	0.8	3	3	0	0	0	2	0	100%	100%	Dec-17	100%	0.00	100.0%	0
Czech Republic	10 555 130	0.2	7	0	13.5	146	140	6	0	1	4	0	100%	100%	Dec-17	100%	0.01	93.2%	88%
Denmark	5 711 837	0.0	3	0	0.4	4	4	0	0	0	2	0	100%	100%	Dec-17	100%	0.00	100.0%	0
Estonia	1 305 755	0.0	2	0	0.0	1	1	0	0	39	1	0	100%	100%	Dec-17	100%	2.99	2.5%	100%
Finland	5 541 274	0.5	5	0	0.7	10	10	0	0	0	6	0	100%	83%	Dec-17	100%	0.00	80.0%	0
France	64 938 716	1.0	79	0	7.5	520	340	88	92	0	30	1	100%	100%	Dec-17	93%	0.00	90.0%	0%
Georgia	3 972 532	3.5	14	0	23.7	96	76	12	8	52	2	0	100%	83%	Dec-17	94%	1.31	64.2%	95%
Germany	80 636 124	3.4	328	0	10.7	927	639	248	40	0	64	1	100%	100%	Dec-17	92%	0.00	87.3%	0
Greece	10 892 931	0.0	0	-	88.5	967	568	194	205	54	3	2	100%	100%	Dec-17	75%	0.50	0.3%	0
Hungary	9 787 905	0.0	0	0	3.2	36	36	0	0	42	5	0	100%	75%	Dec-17	100%	0.43	12.8%	91%
Iceland	334 303	0.0	1	0	3.0	3	3	0	0	0	2	0	92%	75%	Dec-17	100%	0.00	66.7%	100%
Ireland	4 749 153	8.4	43	0	4.4	21	21	0	0	0	0	0	100%	100%	Dec-17	100%	0.00	81.0%	76%
Israel	8 323 248	1.0	10	0	1.8	15	15	0	0	0	0	0	67%	33%	Oct-17	60%	0.00	0	60%
Italy	59 797 978	13.7	862	0	82.9	5006	3955	441	610	362	46	4	92%	92%	Dec-17	88%	0.61	86.5%	0%
Kazakhstan	18 064 470	6.1	110	0	0.1	2	0	1	1	0	0	0	92%	75%	Dec-17	0%	0.00	0	0
Kyrgyzstan	6 124 945	0.0	0	0	0.5	5	5	0	0	152	2	0	100%	83%	Dec-17	100%	2.48	3.2%	0
Latvia	1 944 565	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Lithuania	2 830 582	7.8	22	0	0.0	2	2	0	0	0	2	0	100%	92%	Dec-17	100%	0.00	100.0%	50%
Luxembourg	584 103	0.0	0	-	1.7	4	4	0	0	0	3	0	100%	100%	Dec-17	100%	0.00	75.0%	100%
Malta	420 521	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Monaco	38 010	-	-	-	0.0	0	0	0	0	0	0	0	25%	25%	Nov-17	-	0.00	-	-
Montenegro	626 250	0.0	0	-	0.0	0	0	0	0	1	0	0	75%	58%	Sep-17	100%	0.16	0	100%
Netherlands	17 032 845	0.1	6	0	0.6	16	15	1	0	1	6	0	100%	92%	Dec-17	100%	0.01	76.5%	0
Norway	5 330 800	0.0	0	-	0.0	1	1	0	0	0	1	0	100%	100%	Dec-17	100%	0.00	100.0%	100%
Poland	38 563 573	2.4	138	0	1.3	57	37	14	6	0	8	0	100%	100%	Dec-17	100%	0.00	100.0%	100%
Portugal	10 264 797	0.0	0	0	3.1	34	29	0	5	221	2	1	100%	92%	Dec-17	92%	2.15	13.3%	66%
Republic of Moldova	4 054 640	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	67%	Dec-17	-	0.00	-	-
Romania	19 237 513	126.2	2432	12	288.1	5562	2073	3458	31	0	20	19	100%	100%	Dec-17	99%	0.00	99.9%	100%
Russian Federation	143 375 006	1.1	179	0	2.7	408	401	6	1	2383	15	0	92%	50%	Nov-17	100%	1.66	14.6%	9%
San Marino	32 104	-	-	-	0.0	0	0	0	0	0	0	0	100%	25%	Dec-17	-	0.00	-	-
Serbia	8 776 940	1.6	14	0	80.0	702	275	0	427	0	0	1	100%	92%	Dec-17	0%	0.00	0	0
Slovakia	5 432 157	0.0	0	0	1.3	9	9	0	0	5	2	0	100%	100%	Dec-17	36%	0.09	64.3%	71%
Slovenia	2 071 252	0.0	1	0	2.4	7	7	0	0	0	2	0	100%	100%	Dec-17	100%	0.00	100.0%	100%
Spain	46 070 146	0.6	38	0	2.8	152	143	6	3	134	21	1	100%	92%	Dec-17	99%	0.29	10.8%	79%
Sweden	9 920 624	0.0	3	0	3.0	41	41	0	0	9	11	0	100%	100%	Dec-17	100%	0.09	82.0%	0
Switzerland	8 454 083	6.3	66	0	11.6	105	78	20	7	119	7	1	100%	100%	Dec-17	96%	1.41	43.8%	48%
Tajikistan	8 858 115	5.9	52	0	12.9	649	248	401	0	161	535	0	100%	83%	Dec-17	100%	1.82	66.2%	100%
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	-	9.6	20	19	1	0	0	0	0	92%	75%	Dec-17	0%	0.00	0	0
Turkey	80 417 526	0.1	9	0	0.8	69	48	3	18	1801	3	0	100%	17%	Dec-17	100%	2.24	1.1%	96%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	2.0	90	0	107.4	4767	1487	0	3280	0	0	3	100%	92%	Dec-17	0%	0.00	0	0
United Kingdom	65 511 098	8.1	571	1	2.3	282	282	0	0	1	129	0	100%	100%	Dec-17	100%	0.00	95.8%	2%
Uzbekistan	30 690 914	0.0	1	0	0.0	0	0	0	0	52	0	0	100%	50%	Dec-17	100%	0.17	0	25%
Total/Averages	914 981 109	5.4	5273	13	22.3	21315	11217	4978	5120	6125	949	35	93.9%	81.8%		69.4%	0.67	49.3%	35.5%

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

¹ Source: "World Population Prospects: The 2015 Revision", New York, United Nations.² Incidence not meeting the target (<1) and countries not reporting monthly measles data are highlighted in red. The 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.

Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, San Marino, Serbia, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine.

Table 4: Rubella classification, reporting and surveillance performance, January — December 2017 (data as of 02 February 2018)

Country	Total Population in 2017 ¹	2016 (as of 02 February 2018)		2017													
		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			
						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	2 911 428	0.0	0	0.0	0	0	0	0	0	0	83%	67%	Oct-17	-	0.00	-	-
Andorra	68 727	0.0	0	0.0	0	0	0	0	0	0	92%	75%	Dec-17	-	0.00	-	-
Armenia	3 031 670	0.0	0	0.0	0	0	0	0	14	0	92%	75%	Dec-17	100%	0.46	0%	100%
Austria	8 592 400	0.3	3	4.2	39	36	1	2	0	3	100%	92%	Dec-17	97%	0.00	100%	5%
Azerbaijan	9 973 697	0.0	0	0.0	0	0	0	0	53	0	100%	100%	Dec-17	100%	0.53	0%	96%
Belarus	9 458 535	-	-	0.1	1	1	0	0	329	0	100%	100%	Dec-17	0%	3.48	0%	0%
Belgium ⁷	11 443 830	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 792 759	0.0	0	0.3	1	0	0	1	0	0	75%	50%	Nov-17	0%	0.00	0%	0%
Bulgaria	7 045 259	0.4	3	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Croatia	4 209 815	0.0	2	0.0	0	0	0	0	0	0	100%	67%	Dec-17	-	0.00	-	-
Cyprus	1 187 575	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Czech Republic	10 555 130	0.0	0	0.1	2	2	0	0	0	1	100%	100%	Dec-17	100%	0.00	50%	0%
Denmark ⁷	5 711 837	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 305 755	0.0	0	0.0	0	0	0	0	28	0	100%	100%	Dec-17	96%	2.14	0%	100%
Finland	5 541 274	0.0	0	0.2	1	1	0	0	0	0	100%	92%	Dec-17	100%	0.00	0%	0%
France ⁷	64 938 716	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 972 532	3.0	12	1.3	5	1	0	4	61	0	100%	83%	Dec-17	91%	1.54	8%	97%
Germany	80 636 124	1.2	96	0.9	72	11	7	54	0	1	100%	100%	Dec-17	17%	0.00	44%	0%
Greece	10 892 931	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Hungary	9 787 905	0.0	0	0.0	0	0	0	0	9	0	83%	67%	Dec-17	100%	0.09	0%	89%
Iceland	334 303	0.0	0	0.0	0	0	0	0	0	0	100%	75%	Dec-17	-	0.00	-	-
Ireland	4 749 153	0.2	1	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Israel	8 323 248	0.1	1	0.0	0	0	0	0	0	0	67%	33%	Oct-17	-	0.00	-	-
Italy	59 797 978	0.5	30	1.1	65	32	4	29	27	0	100%	92%	Dec-17	82%	0.05	50%	0%
Kazakhstan	18 064 470	0.2	4	0.0	0	0	0	0	0	0	92%	75%	Dec-17	-	0.00	-	-
Kyrgyzstan	6 124 945	0.3	2	0.7	4	4	0	0	0	0	100%	83%	Dec-17	100%	0.00	100%	0%
Latvia	1 944 565	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Lithuania	2 830 582	0.0	0	0.0	0	0	0	0	0	0	100%	92%	Dec-17	-	0.00	-	-
Luxembourg	584 103	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Malta	420 521	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 250	0.0	0	0.0	0	0	0	0	0	0	67%	50%	Aug-17	-	0.00	-	-
Netherlands	17 032 845	0.0	0	0.0	0	0	0	0	0	0	100%	83%	Dec-17	-	0.00	-	-
Norway	5 330 800	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Poland	38 563 573	28.7	1105	12.9	496	0	0	496	0	0	100%	100%	Dec-17	0%	0.00	0%	0%
Portugal	10 264 797	0.8	8	0.4	4	0	0	4	10	0	100%	58%	Dec-17	64%	0.10	29%	50%
Republic of Moldova	4 054 640	0.0	0	0.0	0	0	0	0	0	0	92%	58%	Dec-17	-	0.00	-	-
Romania	19 237 513	0.7	13	0.4	8	5	0	3	0	0	83%	67%	Dec-17	75%	0.00	100%	100%
Russian Federation	143 375 006	0.2	37	0.0	6	6	0	0	0	0	92%	50%	Nov-17	100%	0.00	100%	33%
San Marino	32 104	-	-	0.0	0	0	0	0	0	0	25%	8%	Dec-17	-	0.00	-	-
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Slovakia	5 432 157	0.0	0	0.2	1	0	0	1	1	0	100%	100%	Dec-17	50%	0.02	50%	50%
Slovenia	2 071 252	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Spain	46 070 146	0.0	2	0.0	1	1	0	0	15	1	100%	100%	Dec-17	100%	0.03	6%	94%
Sweden	9 920 624	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Dec-17	-	0.00	-	-
Switzerland	8 454 083	0.0	0	0.0	0	0	0	0	23	0	100%	100%	Dec-17	91%	0.27	0%	22%
Tajikistan	8 858 115	0.1	1	0.1	1	1	0	0	21	0	83%	67%	Dec-17	100%	0.24	5%	86%
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	0.0	0	0	0	0	0	0	92%	75%	Dec-17	-	0.00	-	-
Turkey	80 417 526	-	-	0.0	2	1	0	1	1801	0	100%	17%	Dec-17	0%	2.24	0%	0%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
United Kingdom	65 511 098	0.0	2	0.0	3	3	0	0	0	3	100%	100%	Dec-17	100%	0.00	100%	33%
Uzbekistan	30 690 914	0.0	0	0.0	1	1	0	0	2	0	100%	50%	Dec-17	100%	0.01	33%	33%
Total/Averages	914 981 109	1.4	1322	0.8	713	106	12	595	2394	9	83.0%	71.4%		12.3%	0.26	4.9%	7.3%

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

¹ Source: World Population Prospects: The 2015 Revision, New York, United Nations.² Incidence not meeting the target (<1) and countries not reporting monthly rubella data are highlighted in red. The 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 rate (>=2) not achieving are highlighted in Red.⁷ Belgium, Denmark, and France do not have comprehensive rubella surveillance systems.

Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan, Republic of Moldova, San Marino, Serbia, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine.

Table 5: Measles and rubella laboratory test results, January — December 2017 (data as of 02 February 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	% Timeliness	Month of last report
Albania	35	15 (43.0)	B3	0%	1	0 (0.0)	-	-	100%	83%	Dec-17
Andorra			-								No Lab
Armenia	76	0 (0.0)	-	-	76	0 (0.0)	-	-	58%	8%	Jul-17
Austria	1279	64 (5.0)	B3, D8, H1	94%	5284	32 (1.0)	-	-	100%	83%	Dec-17
Azerbaijan	141	0 (0.0)	-	-	166	0 (0.0)	-	-	100%	92%	Dec-17
Belarus	338	3 (1.0)	D8	100%	338	2 (1.0)	1E	100%	100%	92%	Dec-17
Belgium	703	241 (34.0)	B3, D8	18%	60	4 (7.0)	-	-	83%	50%	Nov-17
Bosnia and Herzegovina	13	0 (0.0)	-	-	13	1 (8.0)	-	-	42%	42%	Dec-17
Bulgaria	240	134 (56.0)	B3	0%	155	0 (0.0)	-	-	100%	83%	Dec-17
Croatia	4	-	D8	0%	1	0 (0.0)	-	-	100%	0	Dec-17
Cyprus	377	4 (1.0)	-	-	409	2 (0.0)	-	-	100%	50%	Dec-17
Czech Republic	308	142 (46.0)	-	-	7	4 (57.0)	-	-	100%	83%	Dec-17
Denmark	644	19 (3.0)	D8	100%	55	0 (0.0)	-	-	100%	100%	Dec-17
Estonia	89	1 (1.0)	-	-	317	1 (0.0)	-	-	92%	92%	Dec-17
Finland	153	21 (14.0)	B3, D8	100%	136	1 (1.0)	-	-	100%	83%	Dec-17
France	734	267 (36.0)	B3, D8	93%	241	35 (15.0)	-	-	100%	42%	Dec-17
Georgia	98	16 (16.0)	-	-	90	1 (1.0)	-	-	83%	17%	Oct-17
Germany	-	-	B3, D8	7%	-	-	-	-	-	-	No Report
Greece	537	424 (79.0)	B3	15%	2	0 (0.0)	-	-	92%	42%	Nov-17
Hungary	650	100 (15.0)	B3, D8	13%	245	0 (0.0)	-	-	100%	83%	Dec-17
Iceland	-	-	B3, D8	-	-	-	-	-	-	-	No Report
Ireland	1213	72 (6.0)	B3, D8	100%	1773	3 (0.0)	-	-	100%	92%	Dec-17
Israel	458	88 (19.0)	B3, D8	69%	633	146 (23.0)	2B	0%	100%	92%	Dec-17
Italy	7734	5205 (67.0)	B3, D8, H1	40%	2375	60 (3.0)	-	-	100%	83%	Dec-17
Kazakhstan	66	3 (5.0)	D8, H1	100%	63	0 (0.0)	-	-	100%	83%	Dec-17
Kyrgyzstan	164	3 (2.0)	B3	100%	162	4 (2.0)	-	-	100%	100%	Dec-17
Latvia	199	2 (1.0)	-	-	241	5 (2.0)	-	-	92%	83%	Nov-17
Lithuania	93	3 (3.0)	-	-	89	0 (0.0)	-	-	100%	83%	Dec-17
Luxembourg	96	3 (3.0)	B3, D8	100%	2	0 (0.0)	-	-	100%	92%	Dec-17
Malta	43	0 (0.0)	-	-	752	0 (0.0)	-	-	100%	83%	Dec-17
Monaco											No Lab
Montenegro											No Lab
Netherlands	82	28 (34.0)	B3, D8	72%	74	0 (0.0)	-	-	100%	100%	Dec-17
Norway	-		D8	100%	-		-	-	-	-	No Report
Poland	-		B3, D8	91%	-		-	-	-	-	No Report
Portugal	456	55 (12.0)	B3, D8	100%	2	0 (0.0)	-	-	83%	58%	Dec-17
Republic of Moldova	58	0 (0.0)	-	-	58	0 (0.0)	-	-	100%	92%	Dec-17
Romania	4600	3578 (78.0)	B3, D8	91%	948	11 (1.0)	-	-	100%	92%	Dec-17
Russian Federation	4862	1007 (21.0)	B3, D8, H1	83%	4751	35 (1.0)	1H	0%	100%	92%	Dec-17
San Marino											No Lab
Serbia	523	303 (58.0)	B3	0%	520	3 (1.0)	-	-	100%	100%	Dec-17
Slovakia	36	16 (44.0)	-	-	16	0 (0.0)	-	-	100%	92%	Dec-17
Slovenia	121	24 (20.0)	B3	75%	10	0 (0.0)	-	-	100%	92%	Dec-17
Spain	-	-	B3, D8	28%	-	-	-	-	-	-	No Report
Sweden	1396	99 (7.0)	B3, D8	96%	1805	5 (0.0)	-	-	100%	67%	Dec-17
Switzerland	202	109 (54.0)	B3, D8	42%	1	1 (100.0)	-	-	100%	92%	Dec-17
Tajikistan	433	244 (56.0)	H1	100%	397	5 (1.0)	-	-	92%	92%	Nov-17
The former Yugoslav Republic of Macedonia	3	0 (0.0)	B3	100%	53	1 (2.0)	-	-	25%	8%	Apr-17
Turkey	1368	52 (4.0)	D8	100%	1232	22 (2.0)	-	-	42%	25%	May-17
Turkmenistan	126	0 (0.0)	-	-	126	0 (0.0)	-	-	100%	100%	Dec-17
Ukraine	1997	1140 (57.0)	B3, D8, D9	12%	596	26 (4.0)	-	-	100%	100%	Dec-17
United Kingdom	2949	383 (13.0)	B3, D8, D9	98%	1305	6 (0.0)	2B	0%	100%	50%	Dec-17
Uzbekistan	82	0 (0.0)	-	-	82	1 (1.0)	-	-	100%	83%	Dec-17
Total / Average	35779	13870 (39%)	-	61%	25662	417 (2%)	-	25%	77.0%	61.3%	

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.

*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: Top 10 countries with Measles Cases in European Region, 2017* (data as of 02 February 2018)

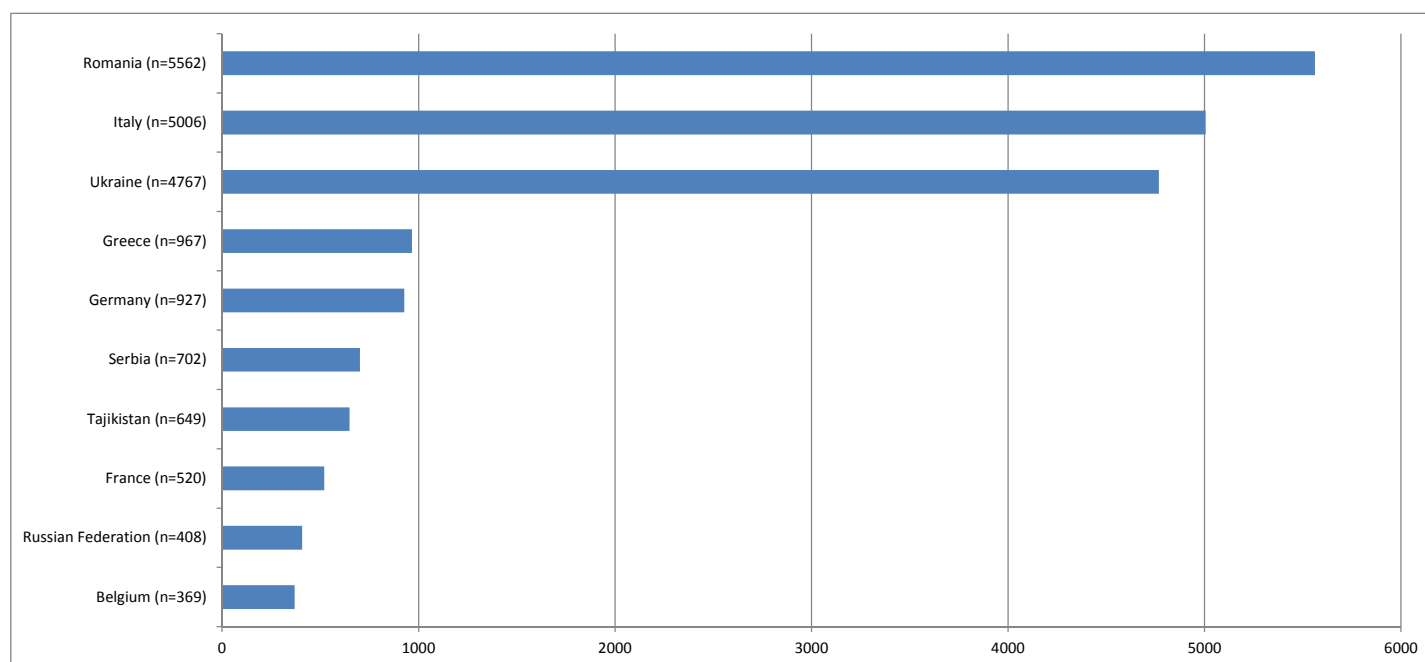


Figure 2: Age and vaccination status of measles cases in Romania, 2016 — 2017* (data as of 02 February 2018)

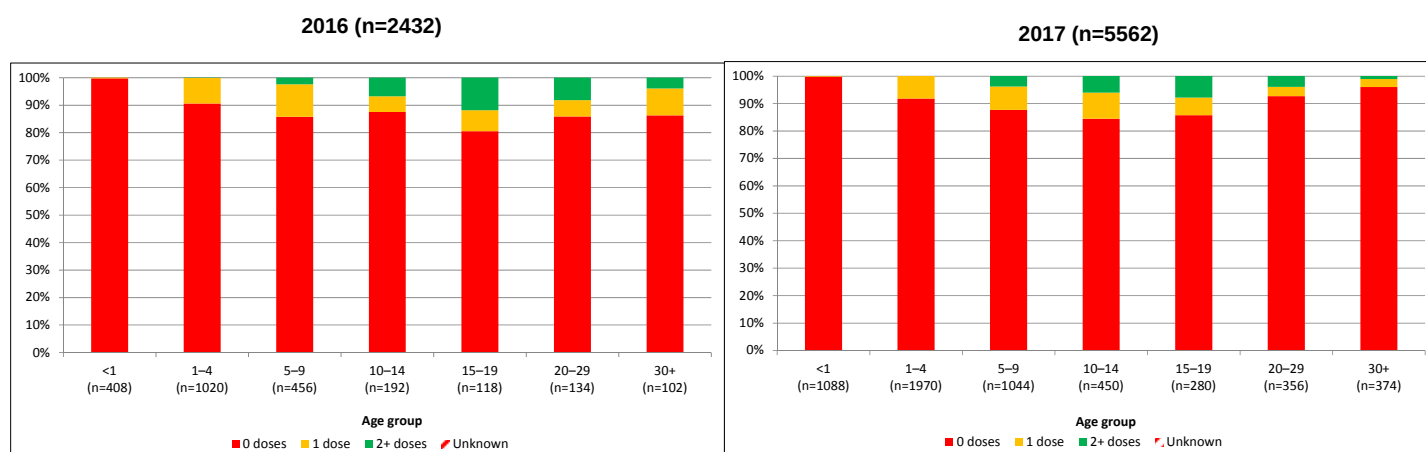
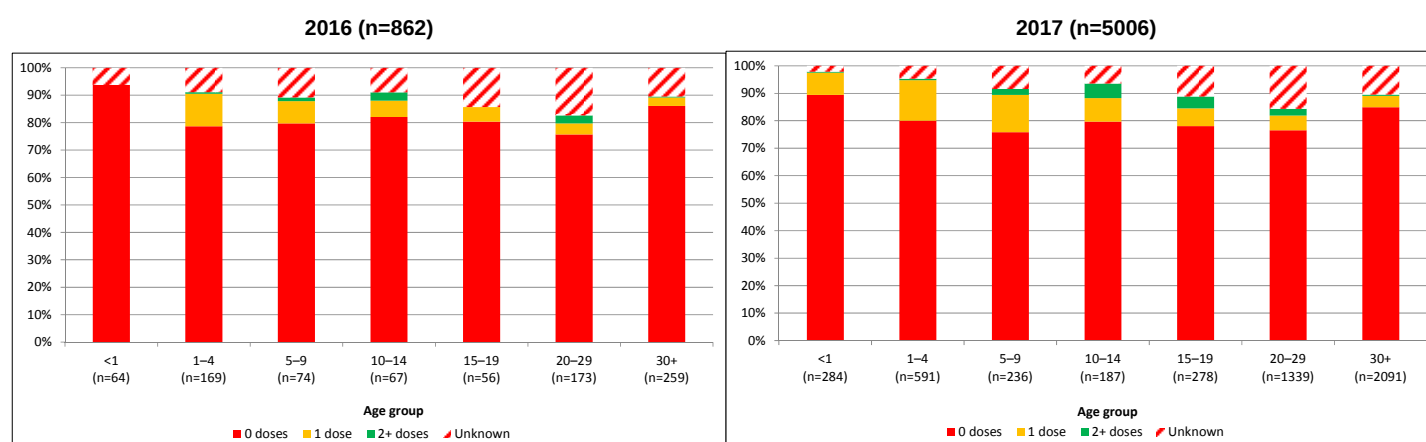


Figure 3: Age and vaccination status of measles cases in Italy, 2016 — 2017* (data as of 02 February 2018)



*2017 measles cases reported in period from 01-January till 31-December.