

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

**Table 1: Reported measles cases for the period November 2016 — October 2017 (data as of 07 December 2017)**

Country	Total Population in 2017 <sup>1</sup>	Incidence Rate Nov 16 - Oct 17 (per 1 million population) <sup>2</sup>	Total measles cases	Month and year of rash onset												Month & year of last report	
				Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17		
Albania	2 911 428	0.0	0	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	0	Oct-17
Armenia	3 031 670	0.3	1	0	0	0	0	0	0	0	-	0	0	0	1	Sep-17	
Austria	8 592 400	10.5	90	1	4	33	29	7	2	7	0	2	2	1	2	Oct-17	
Azerbaijan	9 973 697	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Belarus	9 458 535	0.2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	Oct-17
Belgium	11 443 830	32.2	368	2	3	27	79	147	35	23	33	15	1	3	0	Oct-17	
Bosnia and Herzegovina	3 792 759	6.3	24	-	-	2	7	2	3	-	2	3	1	2	2	Oct-17	
Bulgaria	7 045 259	23.7	167	0	0	0	0	23	42	57	39	6	0	0	0	Oct-17	
Croatia	4 209 815	1.7	7	0	0	2	5	0	0	0	0	0	0	0	0	Oct-17	
Cyprus	1 187 575	2.5	3	0	0	0	0	0	0	2	1	0	0	0	0	Oct-17	
Czech Republic	10 555 130	13.0	137	1	0	0	3	35	58	36	3	1	0	0	0	Oct-17	
Denmark	5 711 837	0.9	5	0	1	0	0	1	0	0	0	0	3	0	0	Oct-17	
Estonia	1 305 755	0.8	1	0	0	0	0	0	0	1	0	0	0	0	0	Oct-17	
Finland	5 541 274	2.3	13	0	3	0	0	0	0	0	1	7	2	0	0	Oct-17	
France	64 938 716	6.9	451	2	4	34	54	49	61	116	43	39	15	20	14	Oct-17	
Georgia	3 972 532	6.5	26	2	0	0	0	0	2	0	1	1	9	9	2	Oct-17	
Germany	80 636 124	11.7	945	31	11	89	176	192	189	125	39	46	32	8	7	Oct-17	
Greece	10 892 931	34.4	375	0	0	0	0	0	0	3	2	13	93	114	150	Oct-17	
Hungary	9 787 905	3.6	35	0	0	1	11	3	0	0	0	9	10	0	1	Oct-17	
Iceland	334 303	6.0	2	0	0	0	0	2	0	0	0	0	0	0	0	Oct-17	
Ireland	4 749 153	3.6	17	0	0	0	1	1	0	0	1	0	0	2	11	Oct-17	
Israel	8 323 248	1.8	15	0	0	0	0	-	-	7	8	0	0	0	0	Oct-17	
Italy	59 797 978	83.2	4975	83	89	287	464	899	803	730	590	534	232	152	112	Oct-17	
Kazakhstan	18 064 470	0.1	2	0	0	0	0	0	-	1	1	0	0	0	0	Oct-17	
Kyrgyzstan	6 124 945	0.2	1	0	-	0	1	0	0	0	0	0	0	0	0	Oct-17	
Latvia	1 944 565	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17	
Lithuania	2 830 582	0.7	2	0	0	0	0	1	0	0	1	0	0	0	0	Oct-17	
Luxembourg	584 103	5.1	3	0	0	0	0	3	0	0	0	0	0	0	0	Oct-17	
Malta	420 521	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17	
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	0	0	Oct-17	
Montenegro	626 250	0.0	0	0	0	0	0	0	0	0	0	0	0	0	-	Sep-17	
Netherlands	17 032 845	1.0	17	0	4	0	0	0	2	6	2	1	1	0	1	Oct-17	
Norway	5 330 800	0.2	1	0	0	0	0	0	0	0	0	1	0	0	0	Oct-17	
Poland	38 563 573	1.7	66	7	7	6	2	4	5	5	5	1	3	13	8	Oct-17	
Portugal	10 264 797	3.3	34	0	0	0	2	10	18	4	0	0	0	0	0	Oct-17	
Republic of Moldova	4 054 640	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17	
Romania	19 237 513	291.5	5607	614	506	484	852	1326	1175	156	100	100	102	91	101	Oct-17	
Russian Federation	143 375 006	3.2	462	52	23	17	13	17	14	49	53	50	43	67	64	Oct-17	
San Marino	32 104	0.0	0	-	-	0	0	0	0	0	0	0	0	0	0	Oct-17	
Serbia	8 776 940	4.2	37	5	8	0	6	0	0	4	1	0	0	0	13	Oct-17	
Slovakia	5 432 157	0.4	2	0	0	0	0	0	2	0	0	0	0	0	0	Oct-17	
Slovenia	2 071 252	2.9	6	0	0	2	4	0	0	0	0	0	0	0	0	Oct-17	
Spain	46 070 146	3.5	163	6	2	10	29	22	10	39	31	6	6	2	0	Oct-17	
Sweden	9 920 624	3.0	30	0	0	2	8	8	3	3	0	0	2	3	1	Oct-17	
Switzerland	8 454 083	13.6	115	4	12	16	26	17	10	0	0	1	10	17	2	Oct-17	
Tajikistan	8 858 115	77.2	684	24	11	44	67	97	228	149	51	11	2	0	0	Oct-17	
The former Yugoslav Republic of Macedonia	2 083 308	9.1	19	0	0	0	0	0	0	0	0	0	-	11	8	Oct-17	
Turkey	80 417 526	0.6	50	-	-	3	0	3	12	17	0	0	11	1	3	Oct-17	
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	
Ukraine	44 405 055	54.8	2434	44	24	25	14	43	89	311	461	428	242	248	505	Oct-17	
United Kingdom	65 511 098	2.9	190	14	1	10	1	8	17	35	28	22	15	19	20	Oct-17	
Uzbekistan	30 690 914	0.0	0	-	0	0	0	0	0	0	0	0	0	0	0	Oct-17	
<b>Total/Averages</b>	<b>914 981 109</b>	<b>19.22</b>	<b>17584</b>	<b>893</b>	<b>713</b>	<b>1094</b>	<b>1854</b>	<b>2921</b>	<b>2781</b>	<b>1886</b>	<b>1496</b>	<b>1298</b>	<b>837</b>	<b>783</b>	<b>1028</b>		

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

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

<sup>2</sup> 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 November 2016 — October 2017 (data as of 07 December 2017)**

Country	Total Population in 2017 <sup>1</sup>	Incidence Rate Nov 16 - Oct 17 (per 1 million population) <sup>2</sup>	Total rubella cases	Month and year of rash onset												Month & year of last report	
				Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17		
Albania	2 911 428	0.0	0	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	Oct-17
Armenia	3 031 670	0.0	0	0	0	0	0	0	0	0	-	0	0	0	-	0	Sep-17
Austria	8 592 400	3.0	26	0	0	0	6	18	1	1	0	0	0	0	0	0	Oct-17
Azerbaijan	9 973 697	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Belarus	9 458 535	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	Oct-17
Belgium <sup>3</sup>	11 443 830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Bosnia and Herzegovina	3 792 759	0.3	1	-	-	0	0	-	0	-	0	0	1	0	0	0	Oct-17
Bulgaria	7 045 259	0.3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Croatia	4 209 815	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Cyprus	1 187 575	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Czech Republic	10 555 130	0.2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	Oct-17
Denmark <sup>3</sup>	5 711 837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Estonia	1 305 755	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Finland	5 541 274	0.2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	Oct-17
France <sup>3</sup>	64 938 716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	See footnote
Georgia	3 972 532	1.3	5	0	1	1	1	0	0	0	1	1	0	0	0	0	Oct-17
Germany	80 636 124	1.0	77	7	4	6	4	7	12	7	7	5	5	3	10	0	Oct-17
Greece	10 892 931	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Hungary	9 787 905	0.0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	Oct-17
Iceland	334 303	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Ireland	4 749 153	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Israel	8 323 248	0.0	0	0	0	0	0	-	-	0	0	0	0	0	0	0	Oct-17
Italy	59 797 978	1.1	66	4	2	3	8	12	12	12	7	2	1	2	1	0	Oct-17
Kazakhstan	18 064 470	0.1	1	1	0	0	0	0	-	0	0	0	0	0	0	0	Oct-17
Kyrgyzstan	6 124 945	0.3	2	0	-	0	1	1	0	0	0	0	0	0	0	0	Oct-17
Latvia	1 944 565	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Lithuania	2 830 582	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Luxembourg	584 103	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Malta	420 521	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	626 250	0.0	0	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	0	Oct-17
Norway	5 330 800	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Poland	38 563 573	14.5	559	57	70	49	39	44	43	57	45	45	37	31	42	0	Oct-17
Portugal	10 264 797	0.5	5	1	0	0	1	1	0	0	0	0	0	0	2	0	Oct-17
Republic of Moldova	4 054 640	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Romania	19 237 513	0.6	11	2	2	0	2	-	1	2	0	1	1	0	0	0	Oct-17
Russian Federation	143 375 006	0.0	7	0	1	0	0	1	1	2	0	0	1	0	1	0	Oct-17
San Marino	32 104	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Serbia	8 776 940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Slovakia	5 432 157	0.2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	Oct-17
Slovenia	2 071 252	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Spain	46 070 146	0.0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	Oct-17
Sweden	9 920 624	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Switzerland	8 454 083	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Oct-17
Tajikistan	8 858 115	0.1	1	0	0	1	0	-	0	0	0	0	0	0	0	0	Oct-17
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	Oct-17
Turkey	80 417 526	0.0	2	-	-	0	0	0	0	2	0	0	0	0	0	0	Oct-17
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
United Kingdom	65 511 098	0.0	2	1	0	0	0	0	1	0	0	0	0	0	0	0	Oct-17
Uzbekistan	30 690 914	0.0	1	-	0	0	0	0	0	1	0	0	0	0	0	0	Oct-17
<b>Total/Averages</b>	<b>914 981 109</b>	<b>0.85</b>	<b>774</b>	<b>74</b>	<b>81</b>	<b>60</b>	<b>62</b>	<b>86</b>	<b>72</b>	<b>84</b>	<b>60</b>	<b>55</b>	<b>46</b>	<b>38</b>	<b>56</b>		

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

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

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

<sup>3</sup> 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 — October 2017 (data as of 07 December 2017)**

Country	Total Population in 2017 <sup>1</sup>	2016 (as of 07 December 2017)			2017														
		Incidence Rate (per 1 million population) <sup>2</sup>	Total measles cases <sup>3</sup>	Total measles death	Annualized Incidence Rate (per 1 million population) <sup>2</sup>	Total measles cases <sup>3</sup>	Classification			Discarded Measles	Imported cases	Measles Death	Reporting			Surveillance Indicators			
							Lab confirmed	Epi-Link	Clinically compatible <sup>4</sup>				Completeness <sup>5</sup>	Timeliness <sup>5</sup>	Month & year of last report	Laboratory investigation rate <sup>5</sup>	Rate of discarded cases <sup>6</sup>	Origin of infection <sup>5</sup>	Timeliness of investigation <sup>5</sup>
Albania	2 911 428	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	80%	Oct-17	-	<b>0.00</b>	-	-
Andorra	68 727	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	<b>70%</b>	Oct-17	-	<b>0.00</b>	-	-
Armenia	3 031 670	0.7	2	0	0.3	1	1	0	0	48	0	0	80%	80%	Sep-17	100%	<b>1.58</b>	<b>2.0%</b>	98%
Austria	8 592 400	<b>1.6</b>	28	0	<b>7.2</b>	85	74	10	1	51	11	0	100%	100%	Oct-17	<b>67%</b>	<b>0.59</b>	<b>61.8%</b>	<b>7%</b>
Azerbaijan	9 973 697	0.0	0	0	0.0	0	0	0	0	72	0	0	100%	100%	Oct-17	100%	<b>0.72</b>	<b>0</b>	<b>61%</b>
Belarus	9 458 535	<b>1.6</b>	29	0	0.0	1	1	0	0	264	1	0	100%	100%	Oct-17	100%	2.79	<b>0.4%</b>	<b>0%</b>
Belgium	11 443 830	<b>6.7</b>	80	0	<b>26.4</b>	363	24	0	339	0	0	0	100%	80%	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
Bosnia and Herzegovina	3 792 759	<b>11.9</b>	45	0	<b>5.3</b>	24	0	0	24	0	0	0	90%	<b>60%</b>	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
Bulgaria	7 045 259	0.1	1	0	<b>19.6</b>	167	87	67	13	3	1	1	90%	90%	Oct-17	95%	<b>0.04</b>	80.6%	100%
Croatia	4 209 815	0.0	4	0	<b>1.4</b>	7	7	0	0	1	0	0	100%	80%	Oct-17	100%	<b>0.02</b>	<b>62.5%</b>	<b>0</b>
Cyprus	1 187 575	0.0	0	-	0.7	3	3	0	0	0	2	0	100%	100%	Oct-17	100%	<b>0.00</b>	100.0%	<b>0</b>
Czech Republic	10 555 130	0.2	7	0	<b>10.5</b>	136	129	5	2	1	3	0	100%	100%	Oct-17	100%	<b>0.01</b>	98.5%	88%
Denmark	5 711 837	0.0	3	0	0.3	4	4	0	0	0	2	0	100%	100%	Oct-17	100%	<b>0.00</b>	100.0%	<b>0</b>
Estonia	1 305 755	0.0	2	0	0.0	1	1	0	0	32	1	0	100%	100%	Oct-17	100%	2.45	<b>3.0%</b>	100%
Finland	5 541 274	0.5	5	0	0.6	10	10	0	0	0	6	0	100%	80%	Oct-17	100%	<b>0.00</b>	80.0%	<b>0</b>
France	64 938 716	1.0	79	0	<b>5.3</b>	445	288	75	82	0	29	1	100%	100%	Oct-17	93%	<b>0.00</b>	89.7%	<b>0%</b>
Georgia	3 972 532	<b>3.5</b>	14	0	<b>4.8</b>	24	16	4	4	33	1	0	100%	80%	Oct-17	92%	<b>0.83</b>	<b>40.4%</b>	95%
Germany	80 636 124	<b>3.4</b>	328	0	<b>8.8</b>	903	619	247	37	0	56	1	100%	100%	Oct-17	92%	<b>0.00</b>	87.4%	<b>0</b>
Greece	10 892 931	0.0	0	-	<b>28.5</b>	375	257	89	29	33	3	1	100%	100%	Oct-17	91%	<b>0.30</b>	<b>0.7%</b>	<b>0</b>
Hungary	9 787 905	0.0	0	0	<b>2.6</b>	35	35	0	0	42	5	0	100%	<b>70%</b>	Oct-17	100%	<b>0.43</b>	<b>11.7%</b>	91%
Iceland	334 303	0.0	1	0	<b>2.5</b>	2	2	0	0	0	1	0	90%	<b>70%</b>	Oct-17	100%	<b>0.00</b>	<b>50.0%</b>	100%
Ireland	4 749 153	<b>8.4</b>	43	0	<b>3.0</b>	17	11	0	6	0	0	0	100%	100%	Oct-17	<b>76%</b>	<b>0.00</b>	<b>70.6%</b>	<b>76%</b>
Israel	8 323 248	1.0	10	0	<b>1.5</b>	15	15	0	0	0	0	0	80%	<b>40%</b>	Oct-17	<b>60%</b>	<b>0.00</b>	<b>0</b>	<b>60%</b>
Italy	59 797 978	<b>13.7</b>	862	0	<b>66.4</b>	4803	3753	456	594	347	40	4	90%	90%	Oct-17	88%	<b>0.58</b>	87.5%	<b>0%</b>
Kazakhstan	18 064 470	<b>6.1</b>	110	0	0.1	2	0	1	1	0	0	0	90%	<b>70%</b>	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
Kyrgyzstan	6 124 945	0.0	0	0	0.1	1	1	0	0	117	0	0	100%	90%	Oct-17	100%	<b>1.91</b>	<b>0.8%</b>	<b>0</b>
Latvia	1 944 565	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	100%	Oct-17	-	<b>0.00</b>	-	-
Lithuania	2 830 582	<b>7.8</b>	22	0	0.0	2	2	0	0	0	2	0	100%	90%	Oct-17	100%	<b>0.00</b>	100.0%	<b>50%</b>
Luxembourg	584 103	0.0	0	-	<b>1.4</b>	3	3	0	0	0	2	0	100%	100%	Oct-17	100%	<b>0.00</b>	<b>66.7%</b>	100%
Malta	420 521	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	100%	Oct-17	-	<b>0.00</b>	-	-
Monaco	38 010	-	-	-	0.0	0	0	0	0	0	0	0	<b>20%</b>	<b>20%</b>	Oct-17	-	<b>0.00</b>	-	-
Montenegro	626 250	0.0	0	-	0.0	0	0	0	0	1	0	0	90%	<b>70%</b>	Sep-17	100%	<b>0.16</b>	<b>0</b>	100%
Netherlands	17 032 845	0.1	6	0	0.3	13	12	1	0	1	6	0	100%	90%	Oct-17	100%	<b>0.01</b>	92.9%	<b>0</b>
Norway	5 330 800	0.0	0	-	0.0	1	1	0	0	0	1	0	100%	100%	Oct-17	100%	<b>0.00</b>	100.0%	100%
Poland	38 563 573	<b>2.4</b>	138	0	1.0	52	36	12	4	0	7	0	100%	100%	Oct-17	100%	<b>0.00</b>	100.0%	100%
Portugal	10 264 797	0.0	0	0	<b>2.6</b>	34	29	0	5	219	2	1	100%	90%	Oct-17	92%	2.13	<b>13.4%</b>	<b>66%</b>
Republic of Moldova	4 054 640	0.0	0	-	0.0	0	0	0	0	0	0	0	100%	<b>60%</b>	Oct-17	-	<b>0.00</b>	-	-
Romania	19 237 513	<b>126.2</b>	2432	12	<b>193.6</b>	4487	1575	2887	25	0	17	15	100%	100%	Oct-17	99%	<b>0.00</b>	100.0%	100%
Russian Federation	143 375 006	<b>1.1</b>	179	0	<b>2.2</b>	387	380	6	1	2352	15	0	100%	<b>60%</b>	Oct-17	100%	<b>1.64</b>	<b>14.1%</b>	<b>9%</b>
San Marino	32 104	-	-	-	0.0	0	0	0	0	0	0	0	100%	<b>20%</b>	Oct-17	-	<b>0.00</b>	-	-
Serbia	8 776 940	<b>1.6</b>	14	0	<b>2.3</b>	24	14	0	10	0	0	0	100%	90%	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
Slovakia	5 432 157	0.0	0	0	0.0	2	2	0	0	4	2	0	100%	100%	Oct-17	<b>67%</b>	<b>0.07</b>	<b>33.3%</b>	<b>67%</b>
Slovenia	2 071 252	0.0	1	0	<b>2.0</b>	6	6	0	0	0	1	0	100%	100%	Oct-17	100%	<b>0.00</b>	100.0%	100%
Spain	46 070 146	0.6	38	0	<b>2.4</b>	155	148	6	1	111	21	1	100%	90%	Oct-17	98%	<b>0.24</b>	<b>11.3%</b>	<b>78%</b>
Sweden	9 920 624	0.0	3	0	<b>1.7</b>	30	30	0	0	9	10	0	100%	100%	Oct-17	100%	<b>0.09</b>	<b>76.9%</b>	<b>0</b>
Switzerland	8 454 083	<b>6.3</b>	66	0	<b>9.1</b>	99	75	19	5	105	7	1	100%	100%	Oct-17	95%	<b>1.24</b>	<b>44.6%</b>	<b>50%</b>
Tajikistan	8 858 115	<b>5.9</b>	52	0	<b>10.7</b>	649	248	401	0	154	535	0	100%	80%	Oct-17	100%	<b>1.74</b>	<b>66.7%</b>	100%
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	-	<b>7.6</b>	19	18	1	0	0	0	0	90%	<b>70%</b>	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
Turkey	80 417 526	0.1	9	0	0.5	50	43	1	6	1580	1	0	100%	<b>0%</b>	Oct-17	100%	<b>1.96</b>	<b>0.9%</b>	96%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	<b>2.0</b>	90	0	<b>44.4</b>	2366	707	0	1659	0	0	0	100%	100%	Oct-17	<b>0%</b>	<b>0.00</b>	<b>0</b>	<b>0</b>
United Kingdom	65 511 098	<b>8.1</b>	571	1	<b>1.6</b>	175	175	0	0	1	47	0	100%	100%	Oct-17	100%	<b>0.00</b>	94.3%	<b>4%</b>
Uzbekistan	30 690 914	0.0	1	0	0.0	0	0	0	0	39	0	0	100%	<b>40%</b>	Oct-17	100%	<b>0.13</b>	<b>0</b>	<b>3%</b>
<b>Total/Averages</b>	<b>914 981 109</b>	<b>5.4</b>	<b>5275</b>	<b>13</b>	<b>13.8</b>	<b>15978</b>	<b>8842</b>	<b>4288</b>	<b>2848</b>	<b>5620</b>	<b>838</b>	<b>26</b>	<b>94.5%</b>	<b>81.1%</b>	-	<b>79.4%</b>	<b>0.61</b>	<b>55.4%</b>	<b>38.1%</b>

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

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

<sup>2</sup> 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.

<sup>3</sup> All confirmed measles cases regardless of origin.

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

<sup>5</sup> Target (>=80%) not achieving are highlighted in Red.

<sup>6</sup> Discard rate (>=2) 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 — October 2017 (data as of 07 December 2017)**

Country	Total Population in 2017 <sup>1</sup>	2016 (as of 07 December 2017)		2017													
		Incidence Rate (per 1 million population) <sup>2</sup>	Total rubella cases <sup>3</sup>	Annualized Incidence Rate (per 1 million population) <sup>2</sup>	Total rubella cases <sup>3</sup>	Classification			Discarded Rubella	Imported cases	Reporting			Surveillance Indicators			
						Lab confirmed	Epi-Link	Clinically compatible <sup>4</sup>			Completeness <sup>5</sup>	Timeliness <sup>5</sup>	Month & year of last report	Laboratory investigation rate <sup>5</sup>	Rate of discarded cases <sup>5</sup>	Origin of infection <sup>5</sup>	Timeliness of investigation <sup>5</sup>
Albania	2 911 428	0.0	0	0.0	0	0	0	0	0	0	100%	80%	Oct-17	-	0.00	-	-
Andorra	68 727	0.0	0	0.0	0	0	0	0	0	0	90%	70%	Oct-17	-	0.00	-	-
Armenia	3 031 670	0.0	0	0.0	0	0	0	0	6	0	80%	80%	Sep-17	100%	0.20	0%	100%
Austria	8 592 400	0.3	3	2.4	26	23	1	2	0	1	100%	90%	Oct-17	96%	0.00	100%	8%
Azerbaijan	9 973 697	0.0	0	0.0	0	0	0	0	46	0	100%	100%	Oct-17	100%	0.46	0%	67%
Belarus	9 458 535	-	-	0.1	1	1	0	0	264	0	100%	80%	Oct-17	0%	2.79	0%	0%
Belgium <sup>7</sup>	11 443 830	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Bosnia and Herzegovina	3 792 759	0.0	0	0.2	1	0	0	1	0	0	80%	50%	Oct-17	0%	0.00	0%	0%
Bulgaria	7 045 259	0.4	3	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Croatia	4 209 815	0.0	2	0.0	0	0	0	0	0	0	100%	60%	Oct-17	-	0.00	-	-
Cyprus	1 187 575	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Czech Republic	10 555 130	0.0	0	0.1	2	2	0	0	0	1	100%	100%	Oct-17	100%	0.00	50%	0%
Denmark <sup>7</sup>	5 711 837	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Estonia	1 305 755	0.0	0	0.0	0	0	0	0	15	0	100%	100%	Oct-17	93%	1.15	0%	100%
Finland	5 541 274	0.0	0	0.2	1	1	0	0	0	0	100%	90%	Oct-17	100%	0.00	0%	0%
France <sup>7</sup>	64 938 716	-	-	-	-	-	-	-	-	-	-	-	See footnote	-	-	-	-
Georgia	3 972 532	3.0	12	0.8	4	1	0	3	51	0	100%	80%	Oct-17	95%	1.28	7%	96%
Germany	80 636 124	1.2	96	0.7	66	11	7	48	0	1	100%	100%	Oct-17	19%	0.00	48%	0%
Greece	10 892 931	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Hungary	9 787 905	0.0	0	0.0	0	0	0	0	7	0	80%	60%	Oct-17	100%	0.07	0%	86%
Iceland	334 303	0.0	0	0.0	0	0	0	0	0	0	100%	70%	Oct-17	-	0.00	-	-
Ireland	4 749 153	0.2	1	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Israel	8 323 248	0.1	1	0.0	0	0	0	0	0	0	80%	40%	Oct-17	-	0.00	-	-
Italy	59 797 978	0.5	30	0.8	60	27	4	29	25	0	100%	90%	Oct-17	80%	0.04	51%	0%
Kazakhstan	18 064 470	0.2	4	0.0	0	0	0	0	0	0	90%	70%	Oct-17	-	0.00	-	-
Kyrgyzstan	6 124 945	0.3	2	0.3	2	2	0	0	0	0	100%	90%	Oct-17	100%	0.00	100%	0%
Latvia	1 944 565	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Lithuania	2 830 582	0.0	0	0.0	0	0	0	0	0	0	100%	90%	Oct-17	-	0.00	-	-
Luxembourg	584 103	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Malta	420 521	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Monaco	38 010	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Montenegro	626 250	0.0	0	0.0	0	0	0	0	0	0	80%	60%	Aug-17	-	0.00	-	-
Netherlands	17 032 845	0.0	0	0.0	0	0	0	0	0	0	100%	80%	Oct-17	-	0.00	-	-
Norway	5 330 800	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Poland	38 563 573	28.7	1105	9.3	432	0	0	432	0	0	100%	100%	Oct-17	0%	0.00	0%	0%
Portugal	10 264 797	0.8	8	0.3	4	0	0	4	9	0	100%	50%	Oct-17	62%	0.09	31%	54%
Republic of Moldova	4 054 640	0.0	0	0.0	0	0	0	0	0	0	100%	60%	Oct-17	-	0.00	-	-
Romania	19 237 513	0.7	13	0.3	7	4	0	3	0	0	80%	60%	Oct-17	71%	0.00	100%	100%
Russian Federation	143 375 006	0.2	37	0.0	6	6	0	0	0	0	100%	60%	Oct-17	100%	0.00	100%	33%
San Marino	32 104	-	-	0.0	0	0	0	0	0	0	10%	0%	Oct-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%	Oct-17	50%	0.02	50%	50%
Slovenia	2 071 252	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Spain	46 070 146	0.0	2	0.0	1	1	0	0	14	1	100%	100%	Oct-17	100%	0.03	7%	100%
Sweden	9 920 624	0.0	0	0.0	0	0	0	0	0	0	100%	100%	Oct-17	-	0.00	-	-
Switzerland	8 454 083	0.0	0	0.0	0	0	0	0	20	0	100%	100%	Oct-17	90%	0.24	0%	20%
Tajikistan	8 858 115	0.1	1	0.1	1	1	0	0	15	0	90%	70%	Oct-17	100%	0.17	6%	94%
The former Yugoslav Republic of Macedonia	2 083 308	0.0	0	0.0	0	0	0	0	0	0	90%	70%	Oct-17	-	0.00	-	-
Turkey	80 417 526	-	-	0.0	2	1	0	1	1580	0	100%	0%	Oct-17	0%	1.96	0%	0%
Turkmenistan	5 502 586	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
Ukraine	44 405 055	-	-	-	-	-	-	-	-	-	-	-	No Report	-	-	-	-
United Kingdom	65 511 098	0.0	2	0.0	1	1	0	0	0	1	100%	100%	Oct-17	100%	0.00	100%	100%
Uzbekistan	30 690 914	0.0	0	0.0	1	1	0	0	1	0	100%	40%	Oct-17	100%	0.00	50%	0%
<b>Total/Averages</b>	<b>914 981 109</b>	<b>1.4</b>	<b>1322</b>	<b>0.6</b>	<b>619</b>	<b>83</b>	<b>12</b>	<b>524</b>	<b>2054</b>	<b>5</b>	<b>83.6%</b>	<b>70.2%</b>		<b>11.5%</b>	<b>0.22</b>	<b>4.9%</b>	<b>6.2%</b>

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

<sup>1</sup> Source: World Population Prospects: The 2015 Revision, New York, United Nations.

<sup>2</sup> 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.

<sup>3</sup> All confirmed rubella cases regardless of origin. <sup>4</sup> Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

<sup>5</sup> Target (>=80%) not achieving are highlighted in Red. <sup>6</sup> Discard rate (>=2) not achieving are highlighted in Red.

<sup>7</sup> 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 — October 2017 (data as of 07 December 2017)**

Country	Measles				Rubella				Reporting to CISID / MRLDMS		
	Total specimens tested <sup>1</sup>	Positive for measles (%) <sup>1</sup>	Genotypes reported to MeaNS <sup>2</sup>	% sequencing reported within 60 days <sup>2</sup>	Total specimens tested <sup>1</sup>	Positive for rubella (%) <sup>1</sup>	Genotypes reported to RubeNS <sup>3</sup>	% sequencing reported within 60 days <sup>3</sup>	% Completeness	% Timeliness	Month of last report
Albania	16	2 (13.0)	B3	0%	1	0 (0.0)	-	-	100%	80%	Oct-17
Andorra			-								No Lab
Armenia	76	0 (0.0)	-	-	76	0 (0.0)	-	-	-	-	Jul-17
Austria	1091	57 (5.0)	B3, D8, H1	94%	4458	20 (0.0)	-	-	100%	100%	Oct-17
Azerbaijan	117	0 (0.0)	-	-	131	0 (0.0)	-	-	100%	100%	Oct-17
Belarus	273	3 (1.0)	D8	100%	273	2 (1.0)	1E	100%	100%	100%	Oct-17
Belgium	699	239 (34.0)	B3, D8	15%	58	4 (7.0)	-	-	90%	50%	Oct-17
Bosnia and Herzegovina	0	0	-	-	6	0 (0.0)	-	-	40%	40%	Oct-17
Bulgaria	234	134 (57.0)	B3	0%	149	0 (0.0)	-	-	100%	90%	Oct-17
Croatia	-	-	D8	0%	-	-	-	-	-	-	No Report
Cyprus	319	4 (1.0)	-	-	364	2 (1.0)	-	-	90%	50%	Sep-17
Czech Republic	282	126 (45.0)	-	-	4	3 (75.0)	-	-	100%	90%	Oct-17
Denmark	586	19 (3.0)	D8	100%	46	0 (0.0)	-	-	100%	100%	Oct-17
Estonia	77	1 (1.0)	-	-	221	0 (0.0)	-	-	90%	90%	Oct-17
Finland	136	20 (15.0)	B3, D8	100%	119	1 (1.0)	-	-	100%	90%	Oct-17
France	639	255 (40.0)	B3, D8	94%	206	35 (17.0)	-	-	100%	50%	Oct-17
Georgia	98	16 (16.0)	-	-	90	1 (1.0)	-	-	100%	20%	Oct-17
Germany	-	-	B3, D8	7%	-	-	-	-	-	-	No Report
Greece	407	321 (79.0)	B3	15%	0	0	-	-	-	-	Oct-17
Hungary	632	100 (16.0)	B3	100%	225	0 (0.0)	-	-	100%	90%	Oct-17
Iceland	-	-	B3	100%	-	-	-	-	-	-	No Report
Ireland	656	33 (5.0)	B3, D8	100%	1467	3 (0.0)	-	-	100%	100%	Oct-17
Israel	417	86 (21.0)	B3, D8	69%	455	96 (21.0)	2B	0%	100%	100%	Oct-17
Italy	7478	5096 (68.0)	B3, D8, H1	70%	2186	56 (3.0)	-	-	100%	90%	Oct-17
Kazakhstan	48	3 (6.0)	D8, H1	100%	44	0 (0.0)	-	-	100%	100%	Oct-17
Kyrgyzstan	128	1 (1.0)	-	-	127	3 (2.0)	-	-	30%	30%	Oct-17
Latvia	175	2 (1.0)	-	-	217	5 (2.0)	-	-	100%	90%	Oct-17
Lithuania	75	3 (4.0)	-	-	71	0 (0.0)	-	-	100%	90%	Oct-17
Luxembourg	78	3 (4.0)	B3, D8	100%	2	0 (0.0)	-	-	100%	100%	Oct-17
Malta	35	0 (0.0)	-	-	615	0 (0.0)	-	-	100%	90%	Oct-17
Monaco											No Lab
Montenegro											No Lab
Netherlands	66	28 (42.0)	B3, D8	81%	68	0 (0.0)	-	-	100%	100%	Oct-17
Norway	-		D8	100%	-		-	-	-	-	No Report
Poland	-		B3, D8	91%	-		-	-	-	-	No Report
Portugal	453	55 (12.0)	B3, D8	100%	0	0	-	-	80%	50%	Oct-17
Republic of Moldova	55	0 (0.0)	-	-	55	0 (0.0)	-	-	100%	90%	Oct-17
Romania	4105	3213 (78.0)	B3, D8	92%	830	10 (1.0)	-	-	100%	100%	Oct-17
Russian Federation	3481	535 (15.0)	B3, D8, H1	91%	3441	27 (1.0)	1H	0%	100%	100%	Oct-17
San Marino											No Lab
Serbia	36	18 (50.0)	B3	27%	55	0 (0.0)	-	-	100%	100%	Oct-17
Slovakia	20	4 (20.0)	-	-	12	0 (0.0)	-	-	100%	90%	Oct-17
Slovenia	99	19 (19.0)	B3	75%	7	0 (0.0)	-	-	100%	100%	Oct-17
Spain	-	-	B3, D8	28%	-	-	-	-	-	-	No Report
Sweden	1103	76 (7.0)	B3, D8	91%	1475	5 (0.0)	-	-	100%	80%	Oct-17
Switzerland	182	105 (58.0)	B3, D8	45%	1	1 (100.0)	-	-	100%	100%	Oct-17
Tajikistan	432	244 (56.0)	H1	100%	396	5 (1.0)	-	-	60%	60%	Sep-17
The former Yugoslav Republic of Macedonia	3	0 (0.0)	B3	100%	53	1 (2.0)	-	-	30%	10%	Apr-17
Turkey	1368	52 (4.0)	D8	100%	1232	22 (2.0)	-	-	50%	30%	May-17
Turkmenistan	-		-	-	-		-	-	0	0	No Report
Ukraine	1450	788 (54.0)	B3, D8, D9	12%	412	25 (6.0)	-	-	100%	100%	Oct-17
United Kingdom	2220	251 (11.0)	B3, D8, D9	91%	1191	5 (0.0)	2B	0%	100%	50%	Oct-17
Uzbekistan	65	0 (0.0)	-	-	65	1 (2.0)	-	-	100%	90%	Oct-17
<b>Total / Average</b>	<b>29910</b>	<b>11912 (40%)</b>	<b>-</b>	<b>69%</b>	<b>20904</b>	<b>333 (2%)</b>	<b>-</b>	<b>25%</b>	<b>72.3%</b>	<b>60.9%</b>	

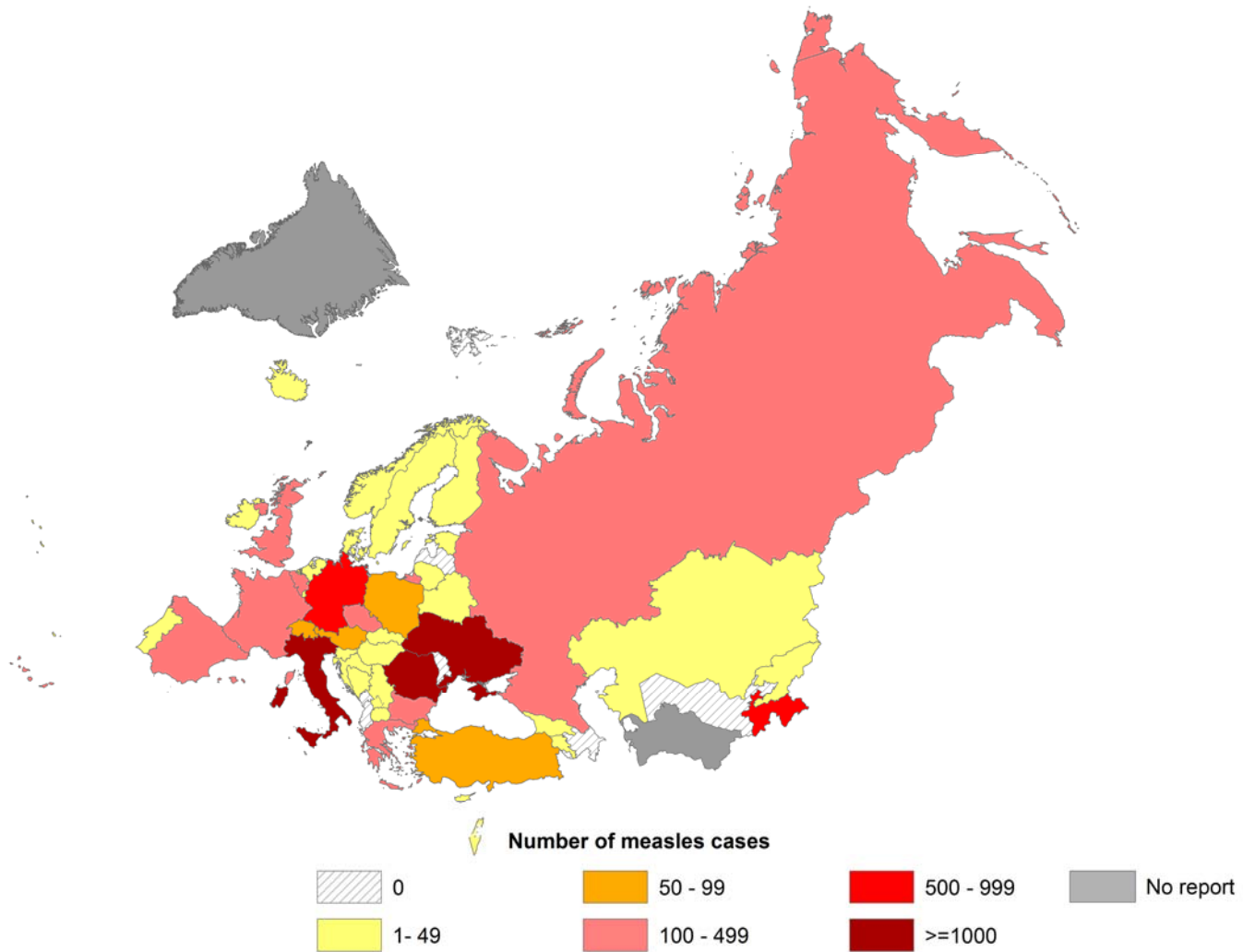
<sup>1</sup> Data source: Aggregated monthly data provided by regional measles and rubella laboratory network (MR Labnet) to WHO/Europe. Some countries are only reporting to specimen-based MR lab data management system (MR LDMS).

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

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

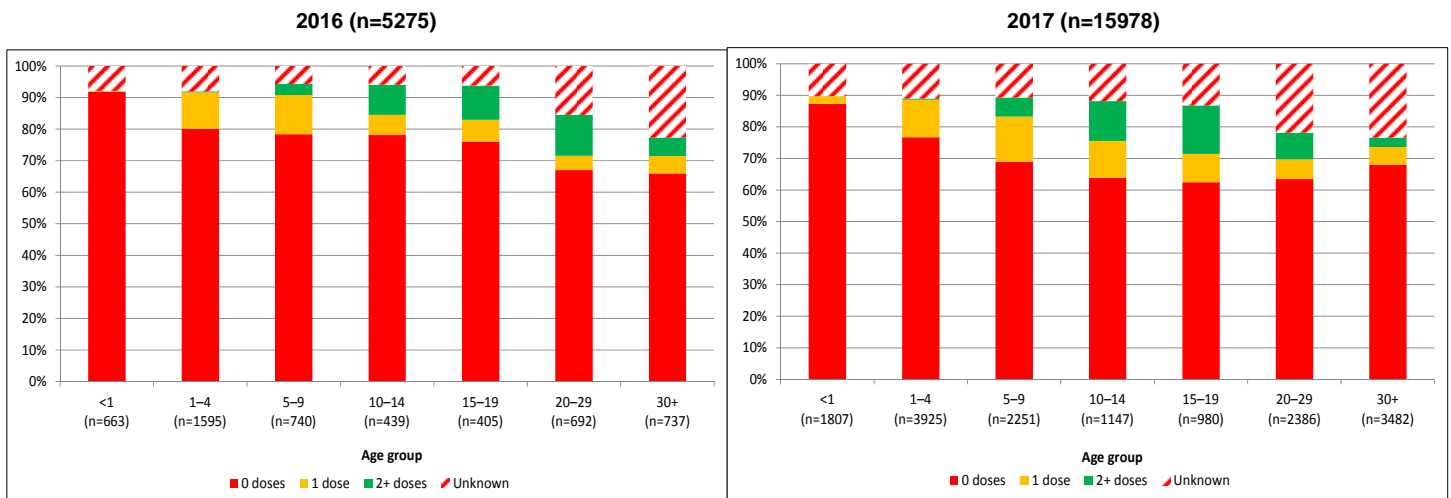
\*Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in Table 1.

Figure 1: Map of Measles Cases in European Region, 2017 (n=15978) (data as of 07 December 2017)\*



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. © WHO 2017. All rights reserved.

Figure 2: Age and vaccination status of measles cases in European Region, 2016 and 2017 (data as of 07 December 2017)\*\*



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

\*\*Cases with unknown age were excluded from graphs (4 cases in 2016 and 0 cases in 2017).