

# WHO Epidemiological Brief

A monthly publication on vaccine-preventable diseases and immunization data and analysis

The following epidemiological report provides an overview of selected epidemiological characteristics of measles and rubella in the WHO European Region for the first seven months of 2012. The analysis is based on cases with disease onset dates during this period.<sup>1</sup> The report also provides information on acute flaccid paralysis (AFP) surveillance.

## Measles in 2012 (January-July)

### *Incidence - notifications and laboratory data*

For the first seven months of 2012 there were 18,865 measles cases among the 49 (92%) Member States (MS) that submitted reports during this period. Of the total, 87% of cases (n=16,397) were reported from four countries: Ukraine (n=11,086; 59%), Romania (n=2,447; 13%), the Russian Federation (n=1,771; 9%) and the UK (n=1,093; 6%). 7,046 (37%) cases were laboratory-confirmed and 1,656 (9%) were epidemiologically linked. The highest incidence per million population for this period was reported in Ukraine (246.4) followed by Romania (114.4). Measles virus sequences were analysed for 834 cases. The genotypes identified in the Region included D4 (n=386), B3 (n=365), D8 (n=69), D9 (n=9) and H1 (n=3). Six countries reported zero cases for the whole period - Albania, Bulgaria, Hungary, Malta, Serbia and Turkmenistan.

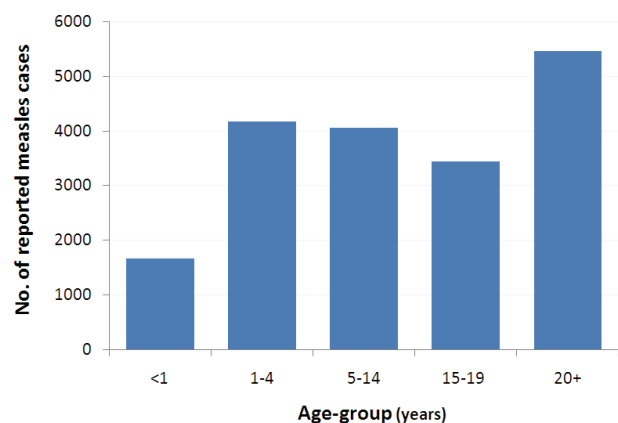
### *Age distribution*

The age-group was known in 99.8% (n=18,825) of cases. Overall, 9% were aged <1 year, 22% were aged 1-4, 40% were aged 5-19 years and 29% were ≥20 years. Figure 1 shows the age distribution of reported measles cases during first seven months of 2012.

### *Vaccination status*

The vaccination status was known in 15,203 cases (81%). Of these, 7,285 (48%) were unvaccinated and 7,918 (52%) were vaccinated with at least one measles vaccine dose. Most of the vaccinated cases (84%) were reported from Ukraine (n=6,660). The vaccination status by country is shown in Table A.

Figure 1. Age-distribution of reported measles cases in the WHO European Region (n=18,825)



N.B. Discarded cases are not included

### *Hospitalisation and mortality*

Data on known hospitalisation status was available for 77% (n=14,467) of all reported measles cases. There were 12,224 reported hospitalised cases in connection with measles, amounting to 84% of all cases with known hospitalisation status. During this period two infants died as a consequence of measles – both from the Russian Federation. This corresponds to an overall case fatality rate of 0.1 per 1000 measles cases.

### *Imported cases*

The importation status was known in 33% of cases. Of these, 216 were reported as imported cases amounting to 3% of all cases with a known importation status. The remaining cases were believed to have been infected within their own country.

<sup>1</sup>Where these dates were unavailable, cases with the date of notification reported during these periods were included.

## Measles in July 2012 (Monthly report)

### *Incidence - notifications*

During July 2012 there were 411 measles cases with reports from 38 MS. Of these, 79% (n=324) were reported from three countries: Romania (n=157; 38%), France (n=66; 16%) and the UK (n=101; 25%). For July, no reports were submitted from 15 countries: Andorra, Armenia, Austria, Bosnia and Herzegovina, Iceland, Kazakhstan, Kyrgyzstan, Monaco, Montenegro, Netherlands, Republic of Moldova, San Marino, Tajikistan, Ukraine and Uzbekistan.

## Rubella in 2012 (January-July)

### *Incidence - notifications and laboratory data*

For the first seven months of 2012 there were 20,199 rubella cases among 43 MS that reported during this period. Of the total, 99% of cases (n=19,922) were reported from four countries: Romania (n= 13,708; 68%), Poland (n=4,382; 22%), Ukraine (n=942; 5%) and the Russian Federation (n= 890; 4%). 3,024 (15%) cases were laboratory-confirmed and 11,765 (58%) epidemiologically linked. The highest incidence per million population for this period was reported in Romania (640.6) followed by Poland (114.4). Rubella virus genotypes 1G and 2B were detected. Fifteen countries reported zero cases for the whole period - Albania, Austria, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, Greece, Iceland, Malta, Portugal, Slovenia, Switzerland, and Turkmenistan.

### *Age distribution*

The age-group was known in 89% (n=18,055) of cases. Overall, 1% were aged <1 year, 3% were aged 1-4, 76% were aged 5-19 years and 20% were ≥20 years. Figure 2 shows the age distribution of reported rubella cases during this period.

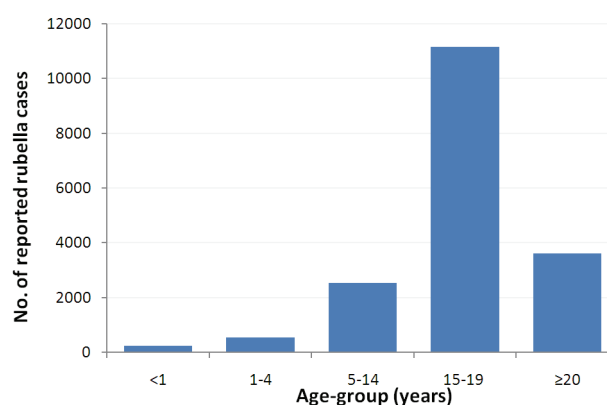
### *Vaccination status*

The vaccination status was known in 939 cases (5%). Of these, 562 (60%) were unvaccinated and 377 (40%) were vaccinated with at least one rubella vaccine dose. The vaccination status by country is shown in Table B.

### *Imported cases*

The importation status was known in 69% of cases. Of these, 25 were reported as imported cases amounting to 0.2% of all cases with a known importation status. The remaining cases were believed to have been infected within their own country.

Figure 2. Age-distribution of reported rubella cases in the WHO European Region (n=18,055)



N.B. Discarded cases are not included

## Rubella in July 2012 (Monthly report)

### *Incidence - notifications*

During July 2012 there were 546 rubella cases with reports from the 34 MS. Of these, 95% of cases (n=518) were reported from three countries: Poland (74%; n=405), the Russian Federation (14%; n=79) and Romania (6%; n=34). For July, no reports were submitted from 19 countries: Andorra, Armenia, Belgium, Bosnia and Herzegovina, France, Germany, Italy, Kazakhstan, Kyrgyzstan, Monaco, Montenegro, Norway, Republic of Moldova, San Marino, Serbia, Tajikistan, Turkey, Ukraine and Uzbekistan.

### *AFP surveillance*

Among the 42 MS with AFP surveillance there were 1000 AFP cases reported for the first seven months of 2012 (weeks 1-34). These included 982 cases under 15 years of age with most cases (58%; n=573) reported from the Russian Federation (26%; n=255), Uzbekistan (15%; n=152), Turkey (10%; n=98) and the Ukraine (7%; n=68). No polio compatible cases have been reported. Three countries namely Andorra, Malta and Slovenia reported zero cases of AFP.

## Comments

### Measles and Rubella

The number of reported measles cases in the Region decreased by 40% compared with the same period in 2011 (n=31,667). This was primarily due to the 95% decrease in the number of cases reported from France. However, measles outbreaks emerged in other countries, such as Ukraine and the Russian Federation. The number of cases from Ukraine is expected to be higher when the Ukrainian monthly report for July is submitted. In contrast, several countries reported zero cases during the same period.

During this period, several countries have reported outbreaks of rubella. Overall, the number of reported rubella cases in the Region increased by 400% compared with the same period in 2011 (n=3,794). Romania has particularly experienced an increase to 13,708 cases from 87 cases in the same period in 2011. However, other countries have reported an increased number of rubella cases including Poland, Ukraine, the Russian Federation, the UK, Spain and Sweden. The sharp increase in the number of rubella cases and the emergence of measles outbreaks in some MS, remains of great concern in relation to the 2015 elimination goal.

The commitment to eliminate measles and rubella in Europe needs to be strengthened by increasing vaccination coverage with two doses of measles vaccines to a WHO-recommended minimum of 95%. An increased level of suspicion in cases with rash, particularly in those >15 years old and in travellers returning from endemic countries, is important. Additionally, enhanced surveillance at laboratory level is required for early identification and confirmation of cases. When measles and rubella outbreaks occur it is recommended that specimens from 5-10 cases are submitted for laboratory confirmation and identification of the virus genotype. Currently, only very little genotype information is available on the circulating rubella strains. Laboratories are therefore strongly encouraged to enhance their virological investigation of rubella

cases and outbreaks. Laboratory investigations including molecular characterization of measles and rubella viruses help to better define outbreaks and identify imported viruses, thereby demonstrating the absence or presence of endemic measles and rubella.

### Acute Flaccid Paralysis

Overall, the quality of surveillance for polioviruses has declined in the Region among 42 countries employing AFP surveillance. During the first 34 weeks, the main AFP surveillance indicators meet certification criteria (annualized AFP rate of >1 per 100,000 children under 15 years of age; >80% proportion of adequate stool collection) at national level in 16 countries only, compared with 20 countries for the same period in 2011. In contrast, timeliness and completeness of reporting have improved. During the first 34 weeks of 2012 both indicators met the required level of ≥80% among 16 countries compared with 12 countries for the same time period in 2011.

Although a decade after certification, the Region remains free of polio, the risk of polio continues while transmission still exists particularly in Afghanistan, Nigeria and Pakistan. The risk of polio in the Region also continues because of immunity gaps in the population in many countries. Therefore, MS need to ensure that vaccination coverage and surveillance are improved and maintained at a high level in all MS of the Region.

**Table A: Vaccination status of reported measles cases by country, January-July 2012 (n=18,865)**

Country	Total measles cases	No. with known vaccination status (% of total)		No. of unvaccinated cases by age (years)					No. of vaccinated cases	No. with unknown vaccination status/ no data
		No.	%	All ages	<1	1-4	5-19	≥20		
Albania	0	0	..	0	0	0	0	0	0	0
Andorra	0	0	..	0	0	0	0	0	0	0
Armenia	0	0	..	0	0	0	0	0	0	0
Austria	0	0	..	0	0	0	0	0	0	0
Azerbaijan	1	1	100%	1	0	0	1	0	0	0
Belarus	10	10	100%	3	0	3	0	0	7	0
Belgium	104	30	29%	14	3	5	6	0	16	74
Bosnia & Herzegovina	n.r.	..	..	0	0	0	0	0	0	0
Bulgaria	0	0	..	0	0	0	0	0	0	0
Croatia	1	1	100%	1	1	0	0	0	0	0
Cyprus	1	1	100%	1	1	0	0	0	0	0
Czech Republic	19	14	74%	7	1	0	2	4	7	5
Denmark	1	1	100%	1	0	0	1	0	0	0
Estonia	7	2	29%	0	0	0	0	0	2	5
Finland	5	0	0%	0	0	0	0	0	0	5
France	745	616	83%	451	70	68	167	146	165	129
Georgia	17	14	82%	6	0	0	5	1	8	3
Germany	139	128	92%	108	8	11	51	38	20	11
Greece	2	0	0%	0	0	0	0	0	0	2
Hungary	0	0	..	0	0	0	0	0	0	0
Iceland	0	0	..	0	0	0	0	0	0	0
Ireland	81	73	90%	63	5	6	50	2	10	8
Israel	146	36	25%	33	2	6	19	6	3	110
Italy	530	397	75%	363	17	34	111	201	34	133
Kazakhstan	53	37	70%	26	22	4	0	0	11	16
Kyrgyzstan	0	0	..	0	0	0	0	0	0	0
Latvia	3	2	67%	2	1	0	0	1	0	1
Lithuania	2	2	100%	2	0	0	1	1	0	0
Luxembourg	2	1	50%	0	0	0	0	0	1	1
Malta	0	0	..	0	0	0	0	0	0	0
Monaco	n.r.	..	..	0	0	0	0	0	..	0
Montenegro	n.r.	..	..	0	0	0	0	0	0	0
Netherlands	7	7	100%	5	0	0	0	5	2	0
Norway	1	1	100%	1	0	0	0	1	0	0
Poland	70	55	79%	38	4	14	7	13	17	15
Portugal	8	5	63%	2	1	0	0	1	3	3
Republic of Moldova	11	8	73%	8	1	4	2	1	0	3
Romania	2447	2447	100%	2014	474	745	520	275	433	0
Russian Federation	1771	395	22%	0	0	0	0	0	395	1376
San Marino	n.r.	..	..	0	0	0	0	0	..	0
Serbia	0	0	..	0	0	0	0	0	0	0
Slovakia	1	0	0%	0	0	0	0	0	0	1
Slovenia	2	2	100%	1	0	0	0	1	1	0
Spain	401	299	75%	256	51	40	43	122	43	102
Sweden	26	23	88%	22	4	8	7	3	1	3
Switzerland	58	45	78%	38	0	1	24	13	7	13
Tajikistan	7	7	100%	5	1	2	1	1	2	0
The Former Yugoslav Republic of Macedonia	5	4	80%	3	2	0	0	1	1	1
Turkey	2	1	50%	0	0	0	0	0	1	1
Turkmenistan	0	0	..	0	0	0	0	0	0	0
Ukraine	11086	9478	85%	2818	542	1325	607	344	6660	1608
United Kingdom	1093	1060	97%	992	122	186	511	173	68	33
Uzbekistan	0	0	..	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>18865</b>	<b>15203</b>	<b>81%</b>	<b>7285</b>	<b>1333</b>	<b>2462</b>	<b>2136</b>	<b>1354</b>	<b>7918</b>	<b>3662</b>
n.r. = no reports										

**Table B: Vaccination status of reported Rubella cases by country, January-July 2012 (n=20,199)**

Country	Total measles cases	No. with known vaccination status (% of total)		No. of unvaccinated cases by age (years)					No. of vaccinated cases	No. with unknown vaccination status/ no data
		No.	%	All ages	<1	1-4	5-19	≥20		
Albania	0	0	..	0	0	0	0	0	0	0
Andorra	0	0	..	0	0	0	0	0	0	0
Armenia	5	4	0.8	1	1	0	0	0	3	1
Austria	0	0	..	0	0	0	0	0	0	0
Azerbaijan	1	1	100%	0	0	0	0	0	1	0
Belarus	8	2	25%	2	0	0	0	2	0	6
Belgium	n.r.	..	..	0	0	0	0	0	0	0
Bosnia & Herzegovina	n.r.	..	..	0	0	0	0	0	0	0
Bulgaria	0	0	..	0	0	0	0	0	0	0
Croatia	0	0	..	0	0	0	0	0	0	0
Cyprus	0	0	..	0	0	0	0	0	0	0
Czech Republic	4	0	0%	0	0	0	0	0	0	4
Denmark	0	0	..	0	0	0	0	0	0	0
Estonia	0	0	..	0	0	0	0	0	0	0
Finland	0	0	..	0	0	0	0	0	0	0
France	n.r.	..	..	0	0	0	0	0	0	0
Georgia	52	45	87%	15	5	6	1	3	30	7
Germany	n.r.	..	..	0	0	0	0	0	0	0
Greece	0	0	..	0	0	0	0	0	0	0
Hungary	7	0	0	0	0	0	0	0	0	7
Iceland	0	0	..	0	0	0	0	0	0	0
Ireland	10	1	10%	0	0	0	0	0	1	9
Israel	1	0	0%	0	0	0	0	0	0	1
Italy	0	0	..	0	0	0	0	0	0	0
Kazakhstan	10	5	50%	3	3	0	0	0	2	5
Kyrgyzstan	2	0	0	0	0	0	0	0	0	2
Latvia	5	2	40%	0	0	0	0	0	2	3
Lithuania	0	0	..	0	0	0	0	0	0	0
Luxembourg	1	0	0%	0	0	0	0	0	0	1
Malta	0	0	..	0	0	0	0	0	0	0
Monaco	n.r.	..	..	0	0	0	0	0	0	0
Montenegro	n.r.	..	..	0	0	0	0	0	0	0
Netherlands	1	0	0%	0	0	0	0	0	0	1
Norway	1	0	0%	0	0	0	0	0	0	1
Poland	4382	0	0%	0	0	0	0	0	0	4382
Portugal	0	0	..	0	0	0	0	0	0	0
Republic of Moldova	n.r.	..	..	0	0	0	0	0	0	0
Romania	13708	248	2%	0	0	0	0	0	248	13460
Russian Federation	890	622	70%	540	12	10	86	432	82	268
San Marino	n.r.	..	..	0	0	0	0	0	0	0
Serbia	n.r.	..	..	0	0	0	0	0	0	0
Slovakia	2	1	50%	0	0	0	0	0	1	1
Slovenia	0	0	..	0	0	0	0	0	0	0
Spain	53	1	2%	0	0	0	0	0	1	52
Sweden	47	0	0%	0	0	0	0	0	0	47
Switzerland	0	0	..	0	0	0	0	0	0	0
Tajikistan	1	1	100%	1	0	1	0	0	0	0
The Former Yugoslav Republic of Macedonia	2	2	100%	0	0	0	0	0	2	0
Turkey	n.r.	..	..	0	0	0	0	0	0	0
Turkmenistan	0	0	..	0	0	0	0	0	0	0
Ukraine	942	0	0%	0	0	0	0	0	0	942
United Kingdom	64	4	6%	0	0	0	0	0	4	60
Uzbekistan	0	0	..	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>20199</b>	<b>939</b>	<b>5%</b>	<b>562</b>	<b>21</b>	<b>17</b>	<b>87</b>	<b>437</b>	<b>377</b>	<b>19260</b>
n.r. = no reports										

Monthly summary table 1: Reported measles cases for last 12 months, August 2011 — July 2012 (data as of 1 September 2012)

Country	Total Population <sup>1</sup>	Incidence Rate per 1 million population Aug 11-Jul 12	Total measles cases Aug 11-Jul 12	2011 -2012 (Year and month of Rash onset)												Month of last report	
				Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul		
Albania	3 214 691	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Andorra	67 722	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun
Armenia	3 098 784	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun
Austria	8 405 570	2.7	23	4	2	1	11	5	0	0	0	0	0	0	-	-	May
Azerbaijan	9 309 301	0.1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	Jul
Belarus	9 568 453	1.1	11	0	0	0	0	1	5	0	3	0	0	1	1	1	Jul
Belgium	10 741 129	16.8	180	21	21	6	25	3	20	15	4	33	4	14	14	14	Jul
Bosnia and Herzegovina	3 755 478	1.3	5	0	4	1	0	0	-	-	-	-	-	-	-	-	No Report
Bulgaria	7 449 799	0.1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	Jul
Croatia	4 397 338	0.2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	Jul
Cyprus	1 116 113	0.9	1	0	0	0	0	0	0	1	0	0	0	0	0	0	Jul
Czech Republic	10 522 894	2.1	22	1	0	0	0	2	4	2	0	7	2	3	1	1	Jul
Denmark	5 570 660	0.2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	Jul
Estonia	1 340 887	5.2	7	0	0	0	0	0	0	0	0	4	3	0	0	0	Jul
Finland	5 381 049	2.8	15	6	0	1	3	0	0	2	0	3	0	0	0	0	Jul
France	63 103 600	21.1	1330	148	90	81	122	144	107	127	142	112	104	87	66	66	Jul
Georgia	4 330 693	11.3	49	17	6	7	1	1	1	0	3	2	5	0	6	6	Jul
Germany	82 140 752	2.9	241	37	27	11	22	5	13	10	11	22	51	22	10	10	Jul
Greece	11 392 891	0.2	2	0	0	0	0	0	0	0	0	0	1	1	0	0	Jul
Hungary	9 964 621	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Iceland	324 050	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun
Ireland	4 527 814	31.1	141	16	20	12	7	5	2	2	4	10	50	11	2	2	Jul
Israel	7 545 524	24.3	183	0	21	10	4	2	3	14	21	5	26	52	25	25	Jul
Italy	60 686 264	15.9	966	176	99	61	56	44	59	125	94	102	99	43	8	8	Jul
Kazakhstan	16 240 343	3.3	53	0	0	0	0	0	1	11	8	20	12	1	-	-	Jun
Kyrgyzstan	5 405 749	1.7	9	3	2	4	0	0	0	0	0	0	-	-	-	-	Apr
Latvia	2 242 757	1.3	3	0	0	0	0	0	1	2	0	0	0	0	0	0	Jul
Lithuania	3 311 227	0.6	2	0	0	0	0	0	0	0	0	2	0	0	0	0	Jul
Luxembourg	514 108	5.8	3	1	0	0	0	0	0	0	1	0	0	1	0	0	Jul
Malta	418 134	4.8	2	2	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Monaco	37 785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	632 157	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	No Report
Netherlands	16 647 522	0.5	8	1	0	0	0	0	0	0	1	4	1	1	-	-	Jun
Norway	4 917 917	1.0	5	2	1	1	0	0	0	0	1	0	0	0	0	0	Jul
Poland	38 307 380	2.1	79	4	4	1	0	0	2	4	10	26	21	6	1	1	Jul
Portugal	10 679 646	0.8	9	0	0	0	0	1	1	0	0	1	4	1	1	1	Jul
Republic of Moldova	3 555 765	3.1	11	0	0	0	0	0	7	3	0	1	0	-	-	-	May
Romania	21 445 408	191.3	4102	292	248	151	393	571	1256	108	85	317	186	338	157	157	Jul
Russian Federation	142 822 544	16.6	2372	7	9	58	211	316	605	383	356	277	114	35	1	1	Jul
San Marino	29 332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Serbia	9 842 939	0.6	6	4	2	0	0	0	0	0	0	0	0	0	0	0	Jul
Slovakia	5 470 405	0.2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	Jul
Slovenia	2 035 215	1.0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	Jul
Spain	46 366 600	26.1	1211	146	185	168	203	108	60	69	88	64	56	50	14	14	Jul
Sweden	9 427 367	3.3	31	1	0	1	3	0	2	17	1	4	1	1	0	0	Jul
Switzerland	7 694 595	10.0	77	10	2	3	0	4	2	3	9	12	22	8	2	2	Jul
Tajikistan	6 982 372	1.0	7	0	0	0	0	0	0	0	4	0	0	3	-	-	Jun
The former Yugoslav Republic of Macedonia	2 063 819	4.4	9	2	0	0	0	2	0	3	1	0	1	0	0	0	Jul
Turkey	73 689 680	0.0	2	0	0	0	0	0	1	0	0	0	0	1	0	0	Jul
Turkmenistan	5 099 686	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Ukraine	45 242 024	272.8	12343	45	13	59	131	1009	2309	1999	2095	1797	1695	1191	-	-	Jun
United Kingdom	62 439 828	22.0	1372	60	54	73	63	29	39	117	156	190	297	193	101	101	Jul
Uzbekistan	27 802 722	0.0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	Jun
<b>Total/Averages</b>	<b>899 321 103</b>	<b>27.69</b>	<b>24899</b>	<b>1006</b>	<b>811</b>	<b>710</b>	<b>1255</b>	<b>2252</b>	<b>4502</b>	<b>3017</b>	<b>3100</b>	<b>3016</b>	<b>2755</b>	<b>2064</b>	<b>411</b>		

<sup>1</sup> Source: "World Population Prospects: The 2008 Revision", New York, United Nations and updates provided by Member States.



Monthly summary table 2: Reported rubella cases for last 12 months, August 2011 — July 2012 (data as of 1 September 2012)

Country	Total Population <sup>1</sup>	Incidence Rate per 1 million population Aug 11-Jul 12	Total Rubella cases Aug 11-Jul 12	2011 -2012 (Year and month of Rash onset)												Month of last report
				Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	
Albania	3 214 691	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Andorra	67 722	0.0	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun
Armenia	3 098 784	1.6	5	0	0	0	0	0	2	2	0	0	0	1	-	Jun
Austria	8 405 570	0.2	2	0	0	1	1	0	0	0	0	0	0	0	0	Jul
Azerbaijan	9 309 301	0.1	1	0	0	0	0	0	1	0	0	0	0	0	0	Jul
Belarus	9 568 453	0.8	8	0	0	0	0	0	0	0	1	1	1	5	0	Jul
Belgium	10 741 129	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Bosnia and Herzegovina	3 755 478	6.1	23	0	8	15	0	0	-	-	-	-	-	-	-	No Report
Bulgaria	7 449 799	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Croatia	4 397 338	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Cyprus	1 116 113	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Czech Republic	10 522 894	0.7	7	0	0	1	2	0	0	1	1	1	1	0	0	Jul
Denmark	5 570 660	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Estonia	1 340 887	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Finland	5 381 049	0.4	2	1	0	1	0	0	0	0	0	0	0	0	0	Jul
France	63 103 600	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Georgia	4 330 693	16.2	70	0	1	6	3	8	9	7	11	7	9	2	7	Jul
Germany	82 140 752	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Greece	11 392 891	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Hungary	9 964 621	1.1	11	0	1	1	2	0	0	1	1	4	0	1	0	Jul
Iceland	324 050	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Ireland	4 527 814	2.9	13	0	1	0	1	1	0	2	0	1	4	2	1	Jul
Israel	7 545 524	0.3	2	1	0	0	0	0	0	0	0	0	1	0	0	Jul
Italy	60 686 264	0.2	11	3	3	1	4	0	0	0	0	0	-	-	-	Apr
Kazakhstan	16 240 343	0.6	10	0	0	0	0	0	2	2	0	2	2	2	-	Jun
Kyrgyzstan	5 405 749	0.4	2	0	0	0	0	0	0	2	0	0	-	-	-	Apr
Latvia	2 242 757	2.7	6	0	0	1	0	0	0	0	0	1	2	2	0	Jul
Lithuania	3 311 227	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Luxembourg	514 108	1.9	1	0	0	0	0	0	0	0	1	0	0	0	0	Jul
Malta	418 134	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Monaco	37 785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Montenegro	632 157	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Netherlands	16 647 522	0.1	1	0	0	0	0	0	0	0	0	1	0	0	0	Jul
Norway	4 917 917	0.2	1	0	0	0	0	0	0	1	0	0	0	0	-	Jun
Poland	38 307 380	137.0	5249	154	162	160	205	186	174	279	695	1071	1027	731	405	Jul
Portugal	10 679 646	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Republic of Moldova	3 555 765	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Romania	21 445 408	818.0	17543	15	40	334	1544	1902	850	4051	5701	1874	899	299	34	Jul
Russian Federation	142 822 544	6.2	891	0	0	0	0	1	65	121	166	178	155	126	79	Jul
San Marino	29 332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Report
Serbia	9 842 939	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Slovakia	5 470 405	0.4	2	0	0	0	0	0	1	0	1	0	0	0	0	Jul
Slovenia	2 035 215	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Spain	46 366 600	1.2	57	0	1	1	0	2	4	12	15	12	6	2	2	Jul
Sweden	9 427 367	5.3	50	0	0	2	1	0	0	0	0	1	6	26	14	Jul
Switzerland	7 694 595	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Tajikistan	6 982 372	0.1	1	0	0	0	0	0	0	0	0	0	0	1	-	Jun
The former Yugoslav Republic of Macedonia	2 063 819	2.4	5	0	2	0	1	0	1	0	0	0	1	0	0	Jul
Turkey	73 689 680	0.0	0	0	0	0	0	0	-	-	-	-	-	-	-	No Report
Turkmenistan	5 099 686	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul
Ukraine	45 242 024	20.8	942	0	0	0	0	0	0	207	303	432	-	-	-	Apr
United Kingdom	62 439 828	1.1	66	2	0	0	0	0	3	19	17	9	8	4	4	Jul
Uzbekistan	27 802 722	0.0	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun
<b>Total/Averages</b>	<b>899 321 103</b>	<b>27.78</b>	<b>24982</b>	<b>176</b>	<b>219</b>	<b>524</b>	<b>1764</b>	<b>2100</b>	<b>1112</b>	<b>4707</b>	<b>6913</b>	<b>3595</b>	<b>2122</b>	<b>1204</b>	<b>546</b>	

<sup>1</sup> Source: "World Population Prospects: The 2008 Revision", New York, United Nations and updates provided by Member States.

Monthly summary table 3. Classification, reporting and performance of measles, January—July 2012 (data as of 1 September 2012)

Country	Total Population <sup>1</sup>	Incidence per 1 million population (Jan-Aug, 2012)	Total measles cases	Classification			Discarded	Importation <sup>3</sup>	Reporting			Surveillance Indicators (Please click here to refer Annex 8 of MR Surveillance guideline)		
				Lab confirmed	Epi-Link	Clinical <sup>2</sup>			Completeness	Timeliness	Month of last report	Laboratory investigation rate	detection rate	Source of infection
Albania	3 226 922	0.0	0	0	0	0	1	0	100%	100%	Jul	100.0%	0.03	100.0%
Andorra	67 726	0.0	0	0	0	0	0	0	86%	43%	Jun	-	0.00	-
Armenia	3 107 085	0.0	0	0	0	0	13	0	86%	86%	Jun	92.3%	0.42	100.0%
Austria	8 418 180	0.0	0	0	0	0	0	0	71%	71%	May	-	0.00	-
Azerbaijan	9 417 527	0.0	1	1	0	0	62	1	100%	100%	Jul	100.0%	0.66	98.4%
Belarus	9 536 760	0.7	10	10	0	0	0	3	100%	100%	Jul	100.0%	0.00	100.0%
Belgium	10 770 406	9.5	104	34	5	65	0	2	100%	100%	Jul	52.5%	NA	NA
Bosnia and Herzegovina*	3 747 213	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Bulgaria	7 401 269	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Croatia	4 388 603	0.0	1	0	1	0	0	1	71%	29%	Jul	-	0.00	100.0%
Cyprus	1 128 260	0.9	1	1	0	0	0	0	100%	100%	Jul	100.0%	0.00	0.0%
Czech Republic	10 547 860	0.8	19	18	1	0	0	11	86%	86%	Jul	100.0%	0.00	63.2%
Denmark	5 589 464	0.0	1	1	0	0	0	1	100%	100%	Jul	100.0%	0.00	100.0%
Estonia	1 339 829	3.7	7	6	0	1	0	2	100%	100%	Jul	100.0%	NA	NA
Finland	5 397 248	0.7	5	4	0	1	0	1	100%	86%	Jul	80.0%	0.00	20.0%
France	63 417 636	11.2	745	344	63	338	0	33	100%	100%	Jul	62.6%	NA	NA
Georgia*	4 305 661	3.9	17	0	0	17	9	0	100%	100%	Jul	34.6%	NA	NA
Germany	81 964 400	1.4	139	98	21	20	0	21	100%	100%	Jul	83.1%	NA	NA
Greece	11 418 997	0.0	2	2	0	0	0	2	86%	86%	Jul	100.0%	0.00	100.0%
Hungary	9 947 105	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Iceland	327 804	0.0	0	0	0	0	0	0	43%	43%	Jun	-	0.00	-
Ireland	4 579 823	17.2	81	14	50	17	0	2	100%	100%	Jul	71.0%	NA	NA
Israel*	7 672 910	19.0	146	73	0	73	0	0	100%	100%	Jul	50.0%	NA	NA
Italy	60 819 728	8.7	530	196	111	223	0	1	86%	86%	Jul	53.7%	NA	NA
Kazakhstan*	16 407 491	3.2	53	53	0	0	0	0	86%	86%	Jun	100.0%	NA	NA
Kyrgyzstan	5 463 941	0.0	0	0	0	0	33	0	14%	14%	Apr	87.9%	0.60	24.2%
Latvia	2 233 986	0.9	3	3	0	0	0	1	100%	100%	Jul	100.0%	0.00	66.7%
Lithuania	3 296 148	0.0	2	2	0	0	0	2	86%	86%	Jul	100.0%	0.00	100.0%
Luxembourg	521 080	3.8	2	2	0	0	0	0	100%	100%	Jul	100.0%	NA	NA
Malta	419 402	0.0	0	0	0	0	0	0	86%	86%	Jul	-	0.00	-
Monaco	38 222	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Montenegro*	632 737	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Netherlands	16 694 725	0.1	7	7	0	0	0	5	57%	57%	Jun	100.0%	0.00	100.0%
Norway	4 951 344	0.0	1	1	0	0	0	1	100%	100%	Jul	100.0%	0.00	100.0%
Poland	38 315 208	1.7	70	43	11	16	0	6	86%	86%	Jul	81.4%	NA	NA
Portugal	10 686 443	0.6	8	4	1	3	0	2	100%	100%	Jul	100.0%	0.00	62.5%
Republic of Moldova	3 532 010	3.1	11	11	0	0	0	0	71%	29%	May	100.0%	NA	NA
Romania	21 397 044	114.4	2447	1142	1271	34	0	0	100%	100%	Jul	97.1%	NA	NA
Russian Federation	142 668 224	12.1	1771	1695	66	10	9	46	100%	100%	Jul	100.0%	NA	NA
San Marino	29 486	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Serbia*	9 834 026	0.0	0	0	0	0	0	0	86%	57%	Jul	-	0.00	-
Slovakia	5 478 110	0.0	1	1	0	0	0	1	100%	100%	Jul	100.0%	0.00	100.0%
Slovenia	2 039 627	0.0	2	2	0	0	0	2	100%	100%	Jul	100.0%	0.00	100.0%
Spain	46 657 472	8.3	401	341	38	22	0	14	100%	100%	Jul	93.9%	NA	NA
Sweden	9 477 964	2.2	26	14	12	0	0	5	86%	86%	Jul	100.0%	NA	NA
Switzerland	7 723 812	6.3	58	39	5	14	16	9	100%	71%	Jul	73.9%	NA	NA
Tajikistan*	7 086 101	1.0	7	7	0	0	0	0	57%	57%	Jun	100.0%	0.00	0.0%
The former Yugoslav Republic of Macedonia*	2 066 356	2.4	5	3	0	2	0	0	100%	71%	Jul	60.0%	NA	NA
Turkey	74 546 664	0.0	2	2	0	0	0	2	100%	0%	Jul	100.0%	0.00	100.0%
Turkmenistan	5 164 039	0.0	0	0	0	0	0	0	100%	57%	Jul	-	0.00	-
Ukraine*	44 991 932	246.4	11086	1779	0	9307	0	0	86%	43%	Jun	16.0%	NA	NA
United Kingdom	62 806 776	16.8	1093	1093	0	0	0	39	100%	100%	Jul	100.0%	NA	NA
Uzbekistan*	28 124 854	0.0	0	0	0	0	0	0	71%	29%	Jun	-	0.00	-
<b>Total/Averages</b>	<b>901 823 640</b>	<b>20.7</b>	<b>18865</b>	<b>7046</b>	<b>1656</b>	<b>10163</b>	<b>143</b>	<b>216</b>	<b>82.7%</b>	<b>74.1%</b>		<b>42.3%</b>	<b>0.02</b>	<b>33.2%</b>

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

<sup>1</sup> Source: "World Population Prospects: The 2008 Revision", New York, United Nations and updates provided by Member States.

<sup>2</sup> Cases with missing classification are classified as "Clinical".

<sup>3</sup> Imported or import related measles cases included in total measles.

\* Member States reporting aggregated measles data in year 2012

Indicators not meeting target and countries not reporting monthly measles data are highlighted in red; NA=Not Applicable; "-" = data not available or can not be calculated due to insufficient denominator.



Monthly summary table 4. Classification, reporting and performance of rubella, January—July 2012 (data as of 1 September 2012)

Country	Total Population <sup>1</sup>	Incidence per 1 million population	Total confirmed Rubella	Classification				Importation <sup>3</sup>	Reporting			Surveillance Indicators (Please click here to refer Annex 8 of MR Surveillance guideline)		
				Lab confirmed	Epi-Link	Clinical <sup>2</sup>	Discarded		Completeness	Timeliness	Month of last report	Laboratory investigation rate	Detection rate	Source of infection
Albania	3 226 922	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Andorra	67 726	0.0	0	0	0	0	0	0	86%	29%	Jun	-	0.00	-
Armenia	3 107 085	1.6	5	1	0	4	33	0	71%	71%	May	86.8%	NA	NA
Austria	8 418 180	0.0	0	0	0	0	0	0	86%	86%	Jul	-	0.00	-
Azerbaijan	9 417 527	0.1	1	1	0	0	10	0	100%	100%	Jul	100.0%	0.11	100.0%
Belarus	9 536 760	0.8	8	7	0	1	0	0	100%	100%	Jul	0.0%	0.00	0.0%
Belgium	10 770 406	0.0	0	0	0	0	0	0	14%	14%	Jan	-	0.00	-
Bosnia and Herzegovina	3 747 213	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Bulgaria	7 401 269	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Croatia	4 388 603	0.0	0	0	0	0	0	0	14%	14%	Jul	-	0.00	-
Cyprus	1 128 260	0.0	0	0	0	0	0	0	100%	86%	Jul	-	0.00	-
Czech Republic	10 547 860	0.4	4	3	1	0	0	0	100%	100%	Jul	100.0%	0.00	25.0%
Denmark	5 589 464	0.0	0	0	0	0	0	0	86%	86%	Jul	-	0.00	-
Estonia	1 339 829	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Finland	5 397 248	0.0	0	0	0	0	0	0	100%	86%	Jul	-	0.00	-
France	63 417 636	0.0	0	0	0	0	0	0	14%	14%	Jan	-	0.00	-
Georgia	4 305 661	12.1	52	2	1	49	0	0	100%	100%	Jul	0.0%	NA	NA
Germany	81 964 400	0.0	0	0	0	0	0	0	14%	14%	Jan	-	0.00	-
Greece	11 418 997	0.0	0	0	0	0	0	0	71%	71%	Jul	-	0.00	-
Hungary	9 947 105	0.6	7	5	0	2	0	1	100%	100%	Jul	100.0%	0.00	85.7%
Iceland	327 804	0.0	0	0	0	0	0	0	43%	43%	Jul	-	0.00	-
Ireland	4 579 823	2.2	10	0	2	8	0	0	100%	100%	Jul	12.5%	NA	NA
Israel	7 672 910	0.1	1	0	0	1	0	0	100%	100%	Jul	0.0%	0.00	0.0%
Italy	60 819 728	0.0	0	0	0	0	0	0	29%	29%	Apr	-	0.00	-
Kazakhstan	16 407 491	0.6	10	5	2	3	0	0	71%	71%	Jun	0.0%	0.00	0.0%
Kyrgyzstan	5 463 941	0.4	2	2	0	0	7	0	14%	14%	Apr	88.9%	0.13	11.1%
Latvia	2 233 986	1.3	5	3	0	2	0	2	100%	100%	Jul	100.0%	NA	NA
Lithuania	3 296 148	0.0	0	0	0	0	0	0	86%	86%	Jul	-	0.00	-
Luxembourg	521 080	1.9	1	1	0	0	0	0	86%	86%	Jul	100.0%	NA	NA
Malta	419 402	0.0	0	0	0	0	0	0	86%	86%	Jul	-	0.00	-
Monaco	38 222	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Montenegro	632 737	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Netherlands	16 694 725	0.1	1	1	0	0	0	0	57%	57%	Jul	0.0%	0.00	0.0%
Norway	4 951 344	0.0	1	1	0	0	0	1	71%	71%	Jun	100.0%	0.00	100.0%
Poland	38 315 208	114.4	4382	0	0	4382	0	0	100%	100%	Jul	0.0%	NA	NA
Portugal	10 686 443	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Republic of Moldova	3 532 010	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Romania	21 397 044	640.6	13708	2014	11694	0	0	0	86%	86%	Jul	90.6%	NA	NA
Russian Federation	142 668 224	6.2	890	830	52	8	0	2	100%	100%	Jul	1.7%	NA	NA
San Marino	29 486	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Serbia	9 834 026	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Slovakia	5 478 110	0.4	2	0	0	2	0	0	100%	100%	Jul	100.0%	0.00	100.0%
Slovenia	2 039 627	0.0	0	0	0	0	0	0	100%	100%	Jul	-	0.00	-
Spain	46 657 472	0.9	53	48	1	4	0	9	100%	100%	Jul	92.3%	0.00	86.8%
Sweden	9 477 964	4.9	47	35	12	0	0	1	71%	71%	Jul	100.0%	NA	NA
Switzerland	7 723 812	0.0	0	0	0	0	13	0	100%	100%	Jul	92.3%	0.17	15.4%
Tajikistan	7 086 101	0.1	1	1	0	0	0	0	57%	57%	Jun	0.0%	0.00	0.0%
The former Yugoslav Republic of Macedonia	2 066 356	1.0	2	0	0	2	0	0	100%	71%	Jul	0.0%	0.00	0.0%
Turkey	74 546 664	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA
Turkmenistan	5 164 039	0.0	0	0	0	0	0	0	100%	57%	Jul	-	0.00	-
Ukraine	44 991 932	20.9	942	0	0	942	0	0	57%	14%	Apr	0.0%	NA	NA
United Kingdom	62 806 776	0.9	64	64	0	0	0	9	100%	100%	Jul	100.0%	0.00	90.6%
Uzbekistan	28 124 854	0.0	0	0	0	0	0	0	71%	29%	Jun	-	0.00	-
<b>Total/Averages</b>	<b>901 823 640</b>	<b>22.4</b>	<b>20199</b>	<b>3024</b>	<b>11765</b>	<b>5410</b>	<b>63</b>	<b>25</b>	<b>68.7%</b>	<b>64.2%</b>		<b>24.4%</b>	<b>0.00</b>	<b>68.8%</b>

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

<sup>1</sup> Source: "World Population Prospects: The 2008 Revision", New York, United Nations and updates provided by Member States.

<sup>2</sup> Cases with missing classification are classified as "Clinical".

<sup>3</sup> Imported or import related rubella cases included in total rubella.

Indicators not meeting target and countries not reporting monthly rubella data are highlighted in red. "-" indicates data not available/applicable or can not be calculated due to insufficient denominator.

Monthly summary table 5. Measles and rubella laboratory test results, January – July 2012 (data as of 1 September 2012)

Country	Specimen* (Serum, Oral Fluid, Swab, Urine and other)								Reporting		
	Tested for measles	Positive for measles (%)	Measles Equivocal	Negative for measles	Tested for rubella	Positive for rubella (%)	Rubella Equivocal	Negative for rubella	% Completeness	% Timeliness	Month of last report
Albania	7	0 (0.0)	0	7	0	0	0	0	100.0%	85.7%	Jul
Andorra											No Lab
Armenia	44	0 (0.0)	0	44	44	1 (2.0)	0	43	100.0%	100.0%	Jul
Austria	735	7 (1.0)	0	728	3336	9 (0.0)	0	3327	100.0%	100.0%	Jul
Azerbaijan	65	1 (2.0)	1	63	65	1 (2.0)	3	61	85.7%	42.9%	Jun
Belarus	231	19 (8.0)	0	212	222	10 (5.0)	0	212	100.0%	100.0%	Jul
Belgium	148	28 (19.0)	4	111	37	6 (16.0)	4	27	100.0%	100.0%	Jul
Bosnia and Herzegovina											No Report
Bulgaria	38	1 (3.0)	0	37	41	1 (2.0)	0	40	100.0%	71.4%	Jul
Croatia	1	1 (100.0)	0	0	1	0 (0.0)	0	1	100.0%	100.0%	Jul
Cyprus	1	1 (100.0)	0	0	0	0	0	0	85.7%	42.9%	Jun
Czech Republic	62	21 (34.0)	3	38	16	1 (6.0)	0	15	100.0%	100.0%	Jul
Denmark	498	11 (2.0)	11	476	288	14 (5.0)	17	257	100.0%	42.9%	Jul
Estonia	88	5 (6.0)	1	82	336	4 (1.0)	2	330	100.0%	100.0%	Jul
Finland	380	23 (6.0)	0	357	356	2 (1.0)	0	354	85.7%	85.7%	Jun
France	569	169 (30.0)	4	390	0	0	0	0	100.0%	85.7%	Jul
Georgia	88	0 (0.0)	1	87	89	2 (2.0)	7	80	100.0%	71.4%	Jul
Germany	214	44 (21.0)	1	169	28	1 (4.0)	0	27	100.0%	100.0%	Jul
Greece	6	0 (0.0)	0	6	109	16 (15.0)	0	93	100.0%	57.1%	Jul
Hungary	52	4 (8.0)	0	48	283	13 (5.0)	0	269	100.0%	100.0%	Jul
Iceland	38	0 (0.0)	0	38	66	2 (3.0)	0	64	100.0%	57.1%	Jul
Ireland	269	22 (8.0)	9	238	1092	4 (0.0)	5	1083	100.0%	85.7%	Jul
Israel	202	62 (31.0)	0	140	613	54 (9.0)	0	559	100.0%	100.0%	Jul
Italy	169	119 (70.0)	2	48	87	49 (56.0)	0	38	71.4%	0.0%	May
Kazakhstan	191	54 (28.0)	1	136	248	5 (2.0)	3	239	100.0%	100.0%	Jul
Kyrgyzstan	243	0 (0.0)	0	243	243	7 (3.0)	2	234	100.0%	100.0%	Jul
Latvia	269	15 (6.0)	7	247	264	16 (6.0)	8	240	100.0%	57.1%	Jul
Lithuania	7	2 (29.0)	3	2	6	0 (0.0)	0	6	100.0%	100.0%	Jul
Luxembourg	58	0 (0.0)	0	58	47	0 (0.0)	1	46	100.0%	100.0%	Jul
Malta	14	0 (0.0)	0	14	791	5 (1.0)	0	786	100.0%	57.1%	Jul
Monaco											No Lab
Montenegro											No Lab
Netherlands	34	4 (12.0)	0	30	32	0 (0.0)	0	32	71.4%	28.6%	May
Norway	42	5 (12.0)	0	37	22	1 (5.0)	0	21	100.0%	100.0%	Jul
Poland	133	45 (34.0)	4	84	50	10 (20.0)	0	40	100.0%	85.7%	Jul
Portugal	35	10 (29.0)	0	21	0	0	0	0	100.0%	100.0%	Jul
Republic of Moldova	48	11 (23.0)	0	37	48	2 (4.0)	0	46	100.0%	100.0%	Jul
Romania	5018	2826 (56.0)	44	2148	9692	6325 (65.0)	192	3175	100.0%	100.0%	Jul
Russian Federation	5974	1978 (33.0)	5	3991	4083	790 (19.0)	5	3288	100.0%	100.0%	Jul
San Marino											No Lab
Serbia	36	1 (3.0)	0	35	74	1 (1.0)	0	73	100.0%	85.7%	Jul
Slovakia	9	5 (56.0)	0	4	2	0 (0.0)	0	2	100.0%	85.7%	Jul
Slovenia	45	6 (13.0)	1	38	23	0 (0.0)	0	23	100.0%	100.0%	Jul
Spain											No Report
Sweden											No Report
Switzerland	41	35 (85.0)	1	5	11	11 (100.0)	0	0	100.0%	100.0%	Jul
Tajikistan	50	14 (28.0)	1	35	50	1 (2.0)	1	48	85.7%	42.9%	Jun
The former Yugoslav Republic of Macedonia	18	3 (17.0)	1	14	169	5 (3.0)	1	163	100.0%	14.3%	Jul
Turkey	657	4 (1.0)	4	649	657	21 (3.0)	16	620	42.9%	42.9%	Mar
Turkmenistan	37	0 (0.0)	0	32	37	0 (0.0)	0	32	100.0%	57.1%	Jul
Ukraine	844	472 (56.0)	11	361	497	145 (29.0)	1	351	100.0%	100.0%	Jul
United Kingdom	5383	1387 (26.0)	0	3996	1333	63 (5.0)	0	1270	100.0%	100.0%	Jul
Uzbekistan	11	0 (0.0)	0	11	11	0 (0.0)	0	11	100.0%	100.0%	Jul
<b>Total / Average</b>	<b>23102</b>	<b>7415 (32%)</b>	<b>120</b>	<b>15547</b>	<b>25499</b>	<b>7598 (30%)</b>	<b>268</b>	<b>17626</b>	<b>94.2%</b>	<b>78.4%</b>	

\*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.

Data source: Aggregated monthly data provided by regional measles and rubella laboratory network.

Monthly summary table 6: Classification of AFP cases, surveillance performance and weekly reporting to WHO EURO by country, 2011-2012, WHO European Region

Countries	2011 (1-53 weeks)										2012 (1-34 weeks)																		
	AFP Cases <sup>1</sup>	AFP cases under 15 years of age	Hot AFP Cases <sup>2</sup>	Classification				Rates			AFP Cases <sup>1</sup>	AFP cases under 15 years of age	Hot AFP Cases <sup>2</sup>	Classification				Rates		Reporting									
				Polio Compatible	Pending	Discarded	Wild Polio cases	VDP/VAPP	Non polio AFP rate <sup>3</sup>	Adequate Stool collection				Surv. Index <sup>5</sup>	Polio Compatible	Pending	Discarded	Wild Polio cases	VDP/VAPP	Non polio AFP rate <sup>3</sup>	Adequate Stool collection	Surv. Index <sup>5</sup>	% Completeness	% Timeliness	Week of last report				
Albania	4	4	0	0	0	4	0	0	0.56	100.0	0.56	6	6	0	0	0	0	0	0	0	0	0	0	1.32	100.0	1.00	91.0	64.0	34
Andorra	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0	0.00	74.0	8.0	26
Armenia	21	21	1	0	0	21	0	0	3.37	90.5	0.90	24	24	2	0	7	17	0	0	0	0	0	0	4.13	95.8	0.96	91.0	94.0	33
Austria*	2	2	0	0	0	2	0	0	0.16	0.0	0.08	1	1	0	0	0	1	0	0	0	0	0	0	0.13	100.0	0.13	97.0	50.0	34
Azerbaijan*	37	37	0	0	0	37	0	0	1.88	97.3	1.00	22	22	0	0	2	20	0	0	0	0	0	0	1.52	95.5	0.95	97.0	100.0	34
Belarus	46	46	3	0	0	46	0	0	3.18	78.3	0.85	30	30	2	0	13	17	0	0	0	0	0	0	1.79	90.0	0.93	42.0	44.0	34
Belgium	3	3	0	0	0	3	0	0	0.17	0.0	0.00	2	2	0	0	0	2	0	0	0	0	0	0	0.17	0.0	0.00	85.0	26.0	34
Bosnia and Herzegovina*	8	8	1	0	0	8	0	0	1.44	50.0	0.75	5	3	0	0	3	2	0	0	0	0	0	0	0.57	100.0	0.57	60.0	32.0	34
Bulgaria	12	12	0	0	0	12	0	0	1.16	91.7	1.00	5	5	0	0	5	0	0	0	0	0	0	0	0.00	100.0	0.00	88.0	91.0	34
Croatia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	2	2	0	0	2	0	0	0	0	0	0	0	0.00	0.0	0.00	51.0	17.0	27
Cyprus	4	4	0	0	0	4	0	0	2.05	100.0	1.00	2	2	0	0	0	2	0	0	0	0	0	0	1.57	100.0	1.00	85.0	88.0	33
Czech Republic	8	8	0	0	0	8	0	0	0.54	75.0	0.47	2	2	0	0	0	2	0	0	0	0	0	0	0.20	50.0	0.20	80.0	70.0	34
Estonia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	1	1	0	0	0	1	0	0	0	0	0	0	0.72	0.0	0.00	85.0	88.0	34
Georgia*	10	10	1	0	0	9	0	1	1.26	100.0	1.00	11	11	1	0	1	9	0	1	0	0	0	0	1.93	100.0	1.00	97.0	100.0	34
Greece*	24	24	2	0	0	24	0	0	1.43	79.2	0.92	14	14	0	0	14	0	0	0	0	0	0	0	0.00	85.7	0.00	97.0	91.0	34
Hungary	7	7	0	0	0	7	0	0	0.48	28.6	0.21	9	9	0	0	2	7	0	0	0	0	0	0	0.73	55.6	0.49	91.0	61.0	33
Ireland	7	7	0	0	0	7	0	0	0.72	14.3	0.31	1	1	0	0	0	1	0	0	0	0	0	0	0.16	0.0	0.00	68.0	23.0	24
Israel	19	18	0	0	0	19	0	0	0.92	16.7	0.41	5	5	0	0	0	5	0	0	0	0	0	0	0.36	0.0	0.07	85.0	82.0	34
Italy	64	63	1	0	0	64	0	0	0.75	65.1	0.51	43	43	0	0	3	40	0	0	0	0	0	0	0.71	65.1	0.51	94.0	41.0	33
Kazakhstan	103	103	1	0	0	103	0	0	2.54	97.1	0.98	53	53	0	0	12	41	0	0	0	0	0	0	1.51	98.1	1.48	85.0	82.0	32
Kyrgyzstan*	68	65	2	0	0	68	0	0	4.19	100.0	1.00	29	29	0	0	9	20	0	0	0	0	0	0	1.87	96.6	1.00	71.0	73.0	34
Latvia	1	1	0	0	0	1	0	0	0.32	100.0	0.32	2	2	0	0	0	2	0	0	0	0	0	0	0.96	100.0	0.96	91.0	73.0	34
Lithuania	10	10	0	0	0	10	0	0	2.04	100.0	1.00	12	10	0	0	0	12	0	0	0	0	0	0	3.77	80.0	0.90	82.0	85.0	34
Malta	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0	0.00	71.0	8.0	31
Montenegro*	3	3	0	0	0	3	0	0	2.49	66.7	1.00	2	2	0	0	1	1	0	0	0	0	0	0	1.28	100.0	1.00	85.0	88.0	34
Norway	12	12	0	0	0	12	0	0	1.31	41.7	0.67	6	6	0	0	2	4	0	0	0	0	0	0	0.67	16.7	0.56	85.0	26.0	32
Poland	36	36	2	0	0	36	0	0	0.64	80.6	0.57	19	18	1	0	7	12	0	0	0	0	0	0	0.32	44.4	0.16	88.0	79.0	34
Portugal	8	7	1	0	0	8	0	0	0.50	42.9	0.43	6	6	0	0	2	4	0	0	0	0	0	0	0.39	16.7	0.19	31.0	20.0	31
Republic of Moldova	8	8	0	0	0	8	0	0	1.35	100.0	1.00	5	5	1	0	5	0	0	0	0	0	0	0	0.00	100.0	0.00	88.0	85.0	34
Romania	18	18	0	0	0	18	0	0	0.55	100.0	0.55	9	9	0	0	2	7	0	0	0	0	0	0	0.33	100.0	0.33	94.0	88.0	34
Russian Federation*	360	358	33	0	0	360	0	0	1.65	92.7	0.95	256	255	30	0	100	156	0	0	0	0	0	0	1.07	92.9	1.00	97.0	100.0	34
Serbia	10	10	1	0	0	10	0	0	0.58	90.0	0.58	10	10	0	0	2	8	0	0	0	0	0	0	0.72	80.0	0.57	91.0	94.0	34
Slovakia	2	2	0	0	0	2	0	0	0.24	100.0	0.24	2	2	0	0	1	1	0	0	0	0	0	0	0.19	100.0	0.19	82.0	64.0	33
Slovenia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.0	0.00	91.0	64.0	33
Spain	34	34	0	0	0	34	0	0	0.49	38.2	0.30	13	13	0	0	3	10	0	0	0	0	0	0	0.21	30.8	0.17	97.0	70.0	34
Switzerland	6	3	0	0	0	6	0	0	0.52	66.7	0.34	4	3	0	0	0	4	0	0	0	0	0	0	0.53	0.0	0.18	77.0	35.0	32
Tajikistan*	55	52	0	0	0	55	0	0	2.16	96.2	0.96	34	34	0	0	9	25	0	0	0	0	0	0	1.49	97.1	1.45	68.0	67.0	33
The former Yugoslav Republic of Macedonia	2	2	1	0	0	2	0	0	0.56	100.0	0.56	2	2	0	0	1	1	0	0	0	0	0	0	0.44	100.0	0.44	85.0	70.0	33
Turkey	197	196	3	0	0	240	0	1	1.02	80.6	0.87	101	98	3	0	28	73	0	0	0	0	0	0	0.58	77.6	0.49	68.0	70.0	33
Turkmenistan	33	33	0	0	0	33	0	0	2.25	100.0	1.00	22	22	0	0	9	13	0	0	0	0	0	0	1.35	100.0	1.35	40.0	41.0	33
Ukraine*	127	127	31	0	0	125	0	2	1.92	97.6	1.00	71	68	12	0	34	36	0	1	0	0	0	0	0.84	95.6	0.83	80.0	82.0	34
Uzbekistan*	200	197	4	0	0	200	0	0	2.49	96.4	0.96	157	152	1	0	75	82	0	0	0	0	0	0	1.57	98.7	0.99	77.0	79.0	34
<b>Average/Total</b>	<b>1569</b>	<b>1551</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>1609</b>	<b>0</b>	<b>4</b>	<b>1.20</b>	<b>87.00</b>	<b>0.91</b>	<b>1000</b>	<b>982</b>	<b>53</b>	<b>0</b>	<b>354</b>	<b>644</b>	<b>0</b>	<b>2</b>	<b>0.75</b>	<b>88.00</b>	<b>0.69</b>	<b>80.0</b>	<b>62.0</b>					

<sup>1</sup> AFP case of all ages (Denmark, Finland, France, Iceland, Luxembourg, Monaco, Netherlands, San Marino, Sweden and United Kingdom do not report AFP cases. High quality surveillance (e.g. enterovirus and/or environmental) to detect poliovirus exists in Member States with no AFP surveillance.

<sup>2</sup> Hot cases = AFP case reported with a priority code (e.g. less than three doses of polio vaccine/Clinically polio/Recent travel to endemic country/high risk group).

<sup>3</sup> Non-polio AFP cases per 100 000 children under the age of 15 years (annualized for current year). Number of non-polio (discarded) AFP cases X 100000 / total population under 15 years.

<sup>4</sup> two stool specimens collected 24-48 hours apart within 14 days of the onset of paralysis

<sup>5</sup> Surveillance Index = non-polio AFP rate up to 1.0 x (% AFP cases with atleast 1 adequate specimens within 14 days of onset).

\*Countries with a high risk for polio spread after importation, following the 25th RCC risk assessment, August 2011. Nonpolio AFP Rate and Surveillance Index targets for these member states have been revised to 2.0 and 1.6 respectively.