

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

Highlighting in the WHO European Region:

- Update on measles in the European Region
- Ukraine: Measles outbreak
- Status and source of regional measles and rubella data
- Establishment of European Regional Verification Commission for Measles and Rubella Elimination (RVC)
- Acute Flaccid Paralysis Surveillance: Performance Indicators

Summary

Update on measles and rubella

The Region continues to experience a significant number of both measles and rubella cases, with more than 34 000 confirmed measles cases and nearly 4 000 suspected rubella cases in 2011. A rubella outbreak in Romania and an ongoing measles outbreak in Ukraine are of particular note and concern.

European Regional Verification Commission for Measles and Rubella Elimination (RVC)

The first meeting of the RVC took place in Copenhagen in January 2011. At this meeting, the RVC adopted a framework developed by the WHO Regional Office for Europe to document progress towards and verify the 2015 elimination goal.

Acute Flaccid Paralysis Surveillance

In the European Region, many Member States conducting AFP surveillance are not achieving WHO targets for case detection and adequate stool specimen collection. To promptly detect poliovirus importation in a Member State, it is crucial that the targets for these two indicators are achieved.

Update on measles and rubella in the European Region

Measles in 2011

As of 1 February 2012, a total of 34 250 confirmed measles cases have been reported in the WHO European Region in 2011 by 42 Member States. The annual measles data, acquired through monthly reporting from Member States, should be completed

with the December report from each Member State.

Measles in December 2011 (monthly report): The total of 965 cases reported in December is within the range of monthly cases reported in November (970), but higher than measles morbidity data reported in October and September (618 and 729 cases respectively). The number of reported measles cases is high, and increasing in the last two months of 2011, in France (121 in November, 140 in December), Romania (388 in November, 544 in December) and the Russian Federation (207 in November, 176 in December).

Expected monthly measles surveillance reports for December have been received from 41 Member States; 17 countries reported 965 confirmed measles cases and 24 provided a "zero" report (no measles cases in December).

Rubella in 2011

As of 01 February 2012, 3706 suspected rubella cases were reported in 2011 by 25 of 42 Member States. Of these cases, 76 were discarded and 3629 were confirmed. However, only 456 are laboratory confirmed rubella (reported by eighteen Member States).

Rubella in December 2011 (monthly report): The total of 1389 suspected (1375 of these confirmed) rubella cases were reported in December, . Highest number of cases in November and December is reported from Romania (1529 cases in November and 1375 in December). A rubella outbreak in the Salaj region of north-west Romania was reported to WHO in December 2011; due to this outbreak, Romania experienced 3380 confirmed cases in 2011.

Reports for December were received from 33 of 42 Member States. Most countries provided a "zero" report (29 with no cases in December), and four countries reported 1389 suspected rubella cases (Armenia, Georgia, Ireland, Romania).

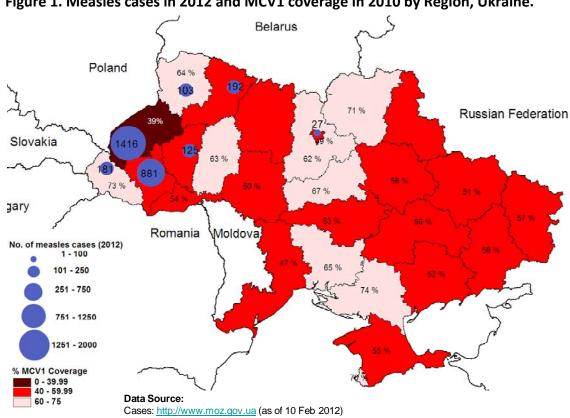


Ukraine: Measles outbreak

According to monthly reports, 194 cases of measles were diagnosed in Ukraine between January and October 2011. Ukraine has not submitted measles and rubella data to the WHO Regional Office for Europe for the last two months of 2011, when national health authorities informed WHO of an increase in measles morbidity in western regions of the country (most of them in Lviv and Ivano-Frankivsk regions), where outbreaks among highschool students were reported.

As of 10 February 2012, 3 162 suspected cases of measles were reported by the Ukrainian Ministry of Health on their web site since the beginning of the year. Over the course of January and the beginning of February 2012, it is clear that Ukraine is facing a large outbreak and that transmission is continuing. Most of the cases are located in western administrative regions, with the highest count in the Lviv region (1 416 cases in 2012, MCV1 coverage <40%) (See Figure 1). According to the WHO/UNICEF Joint Reporting Form (JRF) for 2010, official national coverage with first dose of measles-mumps-rubella combined vaccine (MMR1) was 56.1%, and coverage with second dose of measles-mumps-rubella combined vaccine (MMR2) was 40.7%. Similarly low coverage was reported for other vaccines used in the immunization programme (DTP3 52%, HepB 48%, Polio 3 58%). Given the sub-optimal vaccination coverage rates at both national and sub-national levels in Ukraine, there is a threat that the current measles outbreak could match that of the large outbreak that occurred in 2006, with over 44 000 cases reported. Outbreaks of other vaccine preventable diseases are also highly possible, and this is of particular concern given that Ukraine has the largest cohort of unimmunized children in the Region.

The Ministry of Health announced that a special task force has been established and that a number of control measures have been put into place, including school closures and limiting visitors to hospitals. The Ministry of Health has requested that the WHO Regional Office for Europe provide technical assistance on how to localize and prevent the spread of measles cases in the country. WHO has emphasized that best practice for managing such outbreaks involves conducting a mass immunization campaign complemented by communications addressing the disease burden, vaccine safety and effectiveness. Experts from WHO headquarters and the Regional Office for Europe, ECDC, CDC and UNICEF visited Ukraine between 13-14 February to offer technical assistance.



Coverage: WHO/UNICEF Joint Reporting Form 2010

Figure 1. Measles cases in 2012 and MCV1 coverage in 2010 by Region, Ukraine.

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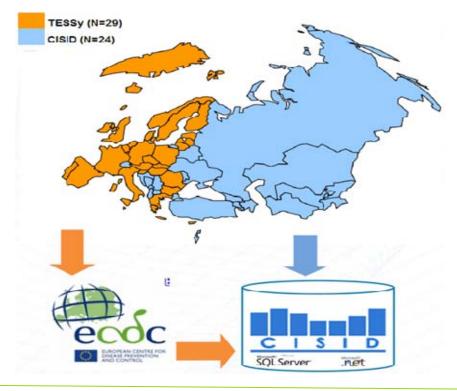


Status and source of regional measles and rubella data

The WHO Regional Office for Europe relies on its Centralized Information System for Infectious Diseases (CISID), a regional data management tool, to receive, manage and disseminate communicable diseases data and information. All the data shared by the WHO Regional Office for Europe, including all data presented and analysed in this and all previous issues of Epidemiological Brief, are maintained in CISID and can be viewed and retrieved directly from the following link: http://data.euro.who.int/cisid/.

Of the 53 Member States in the WHO European Region, 24 directly report monthly measles and rubella data to CISID either by email or using online CISID data entry application. The remaining 29 Member States report to the TESSy database (managed by the European Centre for Disease Control (ECDC)). This data is then submitted, on a monthly basis, to CISID. The WHO Regional Office for Europe is grateful for this collaboration and encourages all Member States to report monthly data in a timely manner (within a period of 25 days after the end of the month) to CISID/TESSy.

Fig 2. Member States of the WHO European Region by database to which they report, CISID/TESSy



European Regional Verification Commission for Measles and Rubella Elimination (RVC) established

Countries in the WHO European Region have committed to eliminating measles and rubella by 2015. WHO/Europe has developed a framework to document progress towards and verify elimination.

The European Regional Verification Commission for Measles and Rubella Elimination (RVC) met for the first time on 24–25 January 2012, in Copenhagen,

Denmark. Zsuzsanna Jakab, WHO Regional Director for Europe, welcomed RVC's eight members and thanked them for their commitment to the verification process.

The RVC will meet at least once a year to evaluate and verify progress towards elimination and, when necessary, visit countries to deal with specific issues. It will liaise with national commissions overseeing the verification process within countries. Advocating further action where necessary will be another key part of its work.



Acute Flaccid Paralysis Surveillance: Performance Indicators

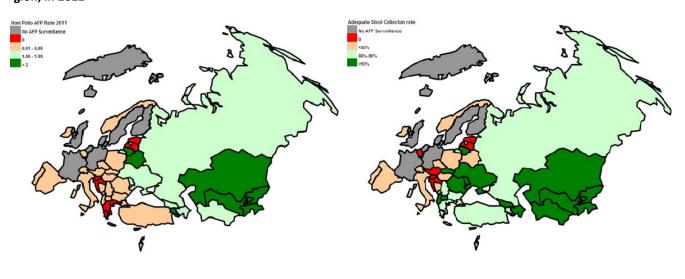
Surveillance of acute flaccid paralysis (AFP) has proven to be a reliable measure for demonstrating the absence of wild poliovirus transmission and continues to be a "golden standard" for poliovirus surveillance. In the WHO European Region, AFP surveillance performance is monitored using WHO targets for case detection and adequate stool specimen collection. In 2011, 42 of the 53 member states in the WHO European Region conducted AFP surveillance. The target of detecting and reporting at least one non-polio AFP (NPAFP) case per 100 000 children ≤ 14 years of age was achieved by only 13 (34%) of the 38 Member States that have not experienced polio cases in recent years (Figure 3a). Of the four Member States that experienced polio outbreaks in 2010, only two (Kazakhstan and Tajikistan) reported NPAFP detection rates of at least two cases per 100 000 children \leq 14 years of age. The adequate stool specimen collection target of \geq 80% was attained by only 21 (50%) countries (Figure 3b).

These two indicators are key to assessing the quality of AFP surveillance in the Member States and in identifying gaps in surveillance. To promptly detect poliovirus importation in a Member State, it is crucial that the targets for these two indicators are achieved.

The WHO European Region was certified polio-free in 2002. In 2010, four Member States in the Region experienced outbreaks of polio, after a wild poliovirus importation in Tajikistan. Effective measures were taken to interrupt the circulation of imported wild poliovirus within six months, and in August 2011 it was announced by the Regional Certification Commission that the WHO European Region had retained its polio-free status.

Figure 3a. Non-polio AFP rate per 100 000 children ≤ 14 years of age, by Member State in the WHO European Region, in 2011

Figure 3b. Adequate stool collection target (≥80%) by Member State in the WHO European Region, in 2011.



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Monthly Summary Table 1. Classification of reported suspected measles cases, January—December 2011 (data as of 1 Feb 2012)

	Total Population ¹	Incidence	Total	Cla	assificati	ion	p	າກ³		Report	ing	Surveillance Indicators (Please click here to refer Annex 8 of MR Surveillance guideline)				
Country		Rate per 1 million population (Jan-Dec)	confirmed measles	Lab confirmed	Epi-Link	Clinical ²	Discarded	Importation ³	Complete- ness	Timeliness	Month of last report	Laboratory investigation rate	detection rate	Source of infection		
Albania	3 214 691	0.0	0	0	0	0	27	0	100%	67%	Dec	100.0%	0.84	100.0%		
Andorra	67 722	0.0	0	0	0	0	0	0	67%	33%	Aug	-	0.00	-		
Armenia	3 098 784	0.0	0	0	0	0	19	0	92%	75%	Dec	100.0%	0.61	100.0%		
Austria	8 405 570	9.3	99	23	8	68	0	21	92%	50%	Dec	33.0%	NA	NA		
Azerbaijan	9 309 301	0.0	0	0	0	0	10	0	100%	83%	Dec	100.0%	0.11	100.0%		
Belarus*	9 568 453	4.9	51	51	0	0	0	4	100%	67%	Dec	100.0%	NA	NA		
Belgium	10 741 129	49.7	576	379	79	118	0	42	75%	33%	Dec	76.5%	NA	NA		
Bosnia and Herzegovina*	3 755 478	1.3	5	0	0	5	0	0	17%	0%	Oct	0.0%	NA	NA		
Bulgaria*	7 449 799	21.1	157	134	0	23	0	0	100%	33%	Dec	85.4%	NA	NA		
Croatia	4 397 338	1.1	7	5	2	0	0	2	83%	33%	Nov	100.0%	NA	NA		
Cyprus	1 116 113	0.0	0	0	0	0	0	0	100%	58%	Dec	-	0.00	-		
Czech Republic	10 522 894	0.7	17	17	0	0	0	10	75%	58%	Dec	100.0%	0.00	100.0%		
Denmark	5 570 660	14.2	83	76	7	0	0	4	100%	58%	Dec	100.0%	NA	NA		
Estonia	1 340 887	1.5	7	7	0	0	0	5	100%	67%	Dec	100.0%	NA	NA		
Finland	5 381 049	5.0	29	29	0	0	0	2	92%	58%	Dec	100.0%	NA	NA		
France	63 103 600	236.6	15206	4979	1896	8331	0	277	83%	25%	Dec	53.6%	NA	NA		
Georgia*	4 330 693	14.8	64	9	24	31	0	0	100%	83%	Dec	22.5%	NA	NA		
Germany	82 140 752	18.3	1600	913	567	120	0	96	42%	42%	Dec	88.4%	NA	NA		
Greece	11 392 891	3.1	40	35	1	4	0	5	100%	50%	Dec	92.3%	NA	NA		
Hungary	9 964 621	0.4	4	4	0	0	0	0	100%	58%	Dec	100.0%	0.00	0.0%		
Iceland	324 050	0.0	0	0	0	0	0	0	100%	50%	Dec	-	0.00	-		
Ireland	4 527 814	64.0	301	124	67	110	0	11	92%	50%	Dec	65.4%	NA	NA		
Israel*	7 545 524	6.1	46	10	0	36	0	0	100%	100%	Dec	21.7%	NA	NA		
Italy	60 686 264	84.9	5181	1957	1832	1392	1	27	67%	17%	Dec	61.0%	NA	NA		
Kazakhstan*	16 240 343	1.8	30	24	0	6	0	0	25%	8%	Mar	80.0%	NA	NA		
Kyrgyzstan	5 405 749	40.9	221	221	0	0	366	0	67%	8%	Aug	100.0%	NA	NA		
Latvia	2 242 757	0.0	1	1	0	0	0	1	67%	17%	Dec	100.0%	0.00	100.0%		
Lithuania	3 311 227	1.2	7	7	0	0	0	3	100%	50%	Dec	100.0%	NA	NA		
Luxembourg	514 108	7.8	6	6	0	0	0	2	92%	50%	Dec	100.0%	NA	NA		
Malta	418 134	7.2	4	4	0	0	0	1	100%	58%	Dec	100.0%	NA	NA		
Monaco	37 785	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA		
Montenegro*	632 157	7.9	5	5	0	0	0	0	42%	33%	Jun	100.0%	NA	NA		
Netherlands	16 647 522	1.9	46	29	16	1	0	14	67%	17%	Dec	96.7%	NA	NA		
Norway	4 917 917	5.9	38	37	0	1	0	9	75%	33%	Dec	97.4%	NA	NA		
Poland	38 307 380	1.0	38	29	3	6	0	1	92%	33%	Dec	88.6%	0.00	100.0%		
Portugal	10 679 646		2	2	0	0	0	2	100%	33%	Dec	100.0%	0.00	100.0%		
Republic of Moldova	3 555 765	0.0	0	0	0	0	0	0	83%	8%	Nov	-	0.00	-		
Romania	21 445 408		4133	1747	2361	25	0	6	50%	0%	Dec	98.9%	NA NA	NA NA		
Russian Federation		3.9	635	628	6	1	54	84	100%	100%	Dec	100.0%	NA	NA		
San Marino	29 332	-	-	- 75	-	-	-	-	1000/	-	No Report	- 04.70/	NA NA	NA NA		
Serbia*	9 842 939	36.4	358	75	13	270	0	0	100%	58%	Dec	21.7%	NA	NA 100.00/		
Slovakia	5 470 405	0.0	2	2	0	0	0	2	100%	58%	Dec	100.0%	0.00	100.0%		
Slovenia	2 035 215		22	22	0	0	0	7	100%	67%	Dec	100.0%	NA NA	NA NA		
Spain	46 366 600		1986	1524	236	226	0	51	100%	58%	Dec	87.1%	NA	NA 00.5%		
Sweden	9 427 367	1.0	26	26	0	0	0	17	100%	58%	Dec	100.0%	0.00	88.5%		
Switzerland	7 694 595		657	405	93	159	112	48	100%	75%	Dec	74.1%	NA	NA		
Tajikistan*	6 982 372	0.0	0	0	0	0	0	0	100%	25%	Dec	-	0.00	-		
The former Yugoslav Republic of Macedonia*	2 063 819		731	53	241	437	0	0	100%	83%	Dec	10.8%	NA	NA		
Turkey	73 689 680	1.3	105	105	0	0	0	11	92%	58%	Nov	100.0%	NA	NA		
Turkmenistan	5 099 686		0	0	0	0	0	0	100%	25%	Dec	-	0.00	-		
Ukraine*	45 242 024		173	64	0	109	0	0	75%	75%	Oct	37.0%	NA	NA		
United Kingdom	62 439 828	15.7	1083	1083	0	0	0	103	92%	50%	Dec	100.0%	NA	NA		
Uzbekistan*	27 802 722	16.8	468	199	0	269	0	0	83%	8%	Oct	42.5%	NA	NA 00.00/		
Total/Averages Data source: Monthly	899 321 103		34250	15050		11748	589	868	82.5%	45.3%		65.4%	0.07	62.9%		

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

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

² Cases with missing classification are classified as "Clinical".

³ Imported or import related measles cases included in total measles.

Member States reporting aggregate measles data in year 2011

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



Monthly Summary Table 2. Classification of reported suspected rubella cases, January—December 2011 (data as of 1 Feb 2012)

		Annualized	7.1.1		Classif	ication		- و		Reportir	ng	Survei			
Country	Total Population ¹	Incidence Rate per 1 million population	Total confirmed Rubella	Lab confirmed	Epi-Link	Clinical²	Discarded	Importation ³	Complete- ness	Timeliness	Month of last report	Laboratory investigation rate	Detection rate	Source of infection	Adequacy of Investigation
Albania	3 214 691	0.3	1	1	0	0	3	0	100%	75%	Dec	100.0%	0.09	100.0%	100.0%
Andorra	67 722	0.0	0	0	0	0	0	0	67%	25%	Aug	-	0.00	-	-
Armenia	3 098 784	0.0	0	0	0	0	31	0	33%	17%	Apr	93.5%	1.00	100.0%	100.0%
Austria	8 405 570	0.2	3	0	0	3	0	1	83%	17%	Dec	33.3%	0.00	100.0%	100.0%
Azerbaijan	9 309 301	0.0	0	0	0	0	19	0	100%	83%	Dec	100.0%	0.20	100.0%	100.0%
Belarus	9 568 453	2.1	20	20	0	0	0	0	92%	58%	Dec	0.0%	NA	NA	NA
Belgium	10 741 129	0.0	0	0	0	0	0	0	25%	0%	Oct	-	0.00	-	-
Bosnia and Herzegovina	3 755 478	6.1	23	6	4	13	0	0	17%	0%	Oct	0.0%	NA	NA	NA
Bulgaria	7 449 799	4.4	33	1	0	32	0	0	58%	17%	Nov	0.0%	NA	NA	NA
Croatia	4 397 338	0.0	0	0	0	0	0	0	33%	17%	Jul	-	0.00	-	-
Cyprus	1 116 113	0.0	0	0	0	0	0	0	100%	50%	Dec	-	0.00	-	-
Czech Republic	10 522 894	2.5	28	12	10	6	0	2	83%	33%	Dec	100.0%	NA	NA	NA
Denmark	5 570 660	0.0	0	0	0	0	0	0	42%	8%	Dec	-	0.00	-	-
Estonia	1 340 887	0.0	0	0	0	0	0	0	100%	50%	Dec	-	0.00	-	-
Finland	5 381 049	0.6	8	7	1	0	0	5	92%	42%	Dec	100.0%	0.00	62.5%	62.5%
France	63 103 600	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA	NA
Georgia	4 330 693	15.2	66	3	0	63	0	0	100%	83%	Dec	0.0%	NA	NA	NA
Germany	82 140 752	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA	NA
Greece	11 392 891	0.0	0	0	0	0	0	0	83%	25%	Dec	-	0.00	-	-
Hungary	9 964 621	0.0	3	3	0	0	0	3	100%	33%	Dec	100.0%	0.00	100.0%	100.0%
Iceland	324 050	0.0	0	0	0	0	0	0	100%	42%	Dec	-	0.00	-	-
Ireland	4 527 814	2.0	9	1	1	7	0	0	92%	33%	Dec	12.5%	NA	NA	NA
Israel	7 545 524	0.1	1	1	0	0	0	0	100%	67%	Dec	0.0%	0.00	0.0%	0.0%
Italy	60 686 264	0.0	0	0	0	0	0	0	17%	8%	Dec	-	0.00	-	-
Kazakhstan	16 240 343	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA NA	NA NA
Kyrgyzstan	5 405 749	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA NA	NA NA
Latvia	2 242 757	1.3	3	2	1	0	0	0	75%	17%	Dec	100.0%	NA	NA	NA
Lithuania	3 311 227	0.0	0	0	0	0	0	0	92%	33%	Dec	-	0.00	-	-
Luxembourg	514 108	0.0	0	0	0	0	0	0	100%	33%	Dec	-	0.00	-	-
Managa	418 134 37 785	0.0	0	0	0	0	0	0	100%	50%	Dec No Benert	-	0.00	- NA	NA
Monaco Montenegro	632 157	0.0	- 0	- 0	- 0	- 0	0	- 0	33%	25%	No Report	-	0.00	INA -	INA -
Netherlands	16 647 522	0.0	1	0	1	0	0	1	67%	8%	Apr Dec	-	0.00	100.0%	100.0%
Norway	4 917 917	0.0	2	1	1	0	0	1	83%	25%	Dec	100.0%	0.00	100.0%	100.0%
Poland	38 307 380	0.2	0	0	0	0	0	0	8%	0%		100.076	0.00	100.076	100.076
Portugal	10 679 646		0	0	0	0	1	0	92%	25%	Apr Dec	0.0%	0.00	0.0%	0.0%
Republic of Moldova	3 555 765	0.0	0	0	0	0	0	0	100%	17%	Dec	-	0.00	-	-
Romania	21 445 408	157.6	3380	381	2950	49	0	0	58%	8%	Dec	78.8%	NA	NA	NA
Russian Federation	142 822 544	-	-	-	-	-	-	-	-	-	No Report	100.0%	NA NA	NA NA	NA NA
San Marino	29 332	_	-	_	_	_	_	_	-	-	No Report	-	NA NA	NA NA	NA NA
Serbia	9 842 939	_	-	_	_	_	_	_	-	-	No Report	-	NA NA	NA NA	NA NA
Slovakia	5 470 405	0.0	0	0	0	0	0	0	100%	42%	Dec	-	0.00	-	-
Slovenia	2 035 215	0.0	0	0	0	0	0	0	33%	8%	Dec	-	0.00	-	-
Spain	46 366 600	0.2	7	5	0	2	0	0	83%	33%	Dec	85.7%	0.00	100.0%	100.0%
Sweden	9 427 367	0.3	5	4	1	0	0	2	100%	42%	Dec	100.0%	0.00	60.0%	60.0%
Switzerland	7 694 595	0.0	0	0	0	0	22	0	75%	25%	Dec	90.9%	0.29	9.1%	9.1%
Tajikistan	6 982 372	0.0	0	0	0	0	0	0	100%	25%	Dec	-	0.00	-	-
The former Yugoslav Republic of Macedonia	2 063 819	3.4	7	0	0	7	0	0	100%	75%	Dec	0.0%	NA	NA	NA
Turkey	73 689 680	_	-	_	-	-	-	-	-	-	No Report	-	NA	NA	NA
Turkmenistan	5 099 686	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA	NA
Ukraine	45 242 024	-	-	-	-	-	-	-	-	-	No Report	-	NA	NA	NA
United Kingdom	62 439 828	0.1	6	6	0	0	0	0	92%	33%	Dec	100.0%	0.00	100.0%	100.0%
Uzbekistan	27 802 722	0.8	23	1	0	22	0	0	83%	8%	Oct	0.0%	0.00	0.0%	0.0%
Total/Averages	899 321 103	4.0	3629	455	2970	204	76	15	60.2%	24.8%		63.7%	0.09	94.4%	0.0%

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

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

 $^{^{\}rm 2}$ Cases with missing classification are classified as "Clinical".

 $^{^{\}rm 3}\,\mbox{Imported}$ or import related rubella cases included in total rubella.



Monthly Summary Table 3: Confirmed measles cases for last 12 months, November 2010—December 2011 (data as of 1 Feb 2012)

		Specin		Reporting							
Country	Tested for measles	Positive for measles (%)	Measles Equivocal	Negative for measles	Tested for rubella	Positive for rubella (%)	Rubella Equivocal	Negative for rubella	% Complete ness	% Timeli- ness	Month of last repor
Albania	27	0 (0.0)	0	27	5	1 (20.0)	0	4	100.0%	83.3%	Dec
Andorra											No Lab
Armenia	49	0 (0.0)	0	49	49	0 (0.0)	4	45	100.0%	83.3%	Dec
Austria	1337	80 (6.0)	0	1257	5646	3 (0.0)	0	5643	100.0%	91.7%	Dec
Azerbaijan	130	0 (0.0)	0	130	130	0 (0.0)	0	130	100.0%	33.3%	Dec
Belarus	474	58 (12.0)	11	385	377	23 (6.0)	3	351	100.0%	91.7%	Dec
Belgium	706	326 (46.0)	15	356	61	7 (11.0)	5	42	100.0%	100.0%	Dec
Bosnia and Herzegovina											No Report
Bulgaria	82	35 (43.0)	0	47	59	2 (3.0)	0	57	100.0%	83.3%	Dec
Croatia	16	11 (69.0)	0	5	14	0 (0.0)	0	14	100.0%	100.0%	Dec
Cyprus	0	0	0	0	0	0	0	0	100.0%	100.0%	Dec
Czech Republic	42	19 (45.0)	8	15	64	10 (16.0)	4	50	100.0%	83.3%	Dec
Denmark	1280	191 (15.0)	33	1056	627	23 (4.0)	86	518	91.7%	33.3%	Nov
Estonia	157	7 (4.0)	2	148	609	4 (1.0)	0	605	100.0%	100.0%	Dec
Finland	1695	132 (8.0)	0	1562	621	10 (2.0)	0	611	100.0%	75.0%	Dec
France	3148	2017 (64.0)	13	1114	0	0	0	0	91.7%	50.0%	Dec
Georgia	60	8 (13.0)	0	52	65	5 (8.0)	8	52	100.0%	50.0%	Dec
Germany	1081	658 (61.0)	5	418	90	5 (6.0)	3	82	100.0%	100.0%	Dec
Greece	138	25 (18.0)	0	113	292	65 (22.0)	0	227	100.0%	41.7%	Dec
Hungary	82	12 (15.0)	0	70	349	7 (2.0)	1	341	100.0%	91.7%	Dec
Iceland	54	0 (0.0)	0	54	91	0 (0.0)	0	91	100.0%	58.3%	Dec
Ireland	553	163 (29.0)	26	364	1712	3 (0.0)	17	1692	100.0%	75.0%	Dec
Israel	124	32 (26.0)	0	92	762	83 (11.0)	0	679	100.0%	83.3%	Dec
Italy											No Report
Kazakhstan	187	90 (48.0)	4	93	169	2 (1.0)	4	163	100.0%	75.0%	Dec
Kyrgyzstan	939	248 (26.0)	8	681	850	9 (1.0)	18	821	100.0%	75.0%	Dec
Latvia	461	2 (0.0)	1	458	466	4 (1.0)	5	457	100.0%	83.3%	Dec
Lithuania	20	6 (30.0)	2	12	19	0 (0.0)	2	17	100.0%	91.7%	Dec
Luxembourg	128	11 (9.0)	0	117	53	2 (4.0)	1	50	100.0%	91.7%	Dec
Malta	18	5 (28.0)	0	13	1435	11 (1.0)	0	1424	100.0%	91.7%	Dec
Monaco											No Lab
Montenegro											No Lab
Netherlands	131	49 (37.0)	0	82	130	3 (2.0)	0	127	100.0%	58.3%	Dec
Norway	252	85 (34.0)	2	165	44	1 (2.0)	1	42	100.0%	100.0%	Dec
Poland	70	30 (43.0)	3	37	48	6 (13.0)	1	41	100.0%	100.0%	Dec
Portugal	19	4 (21.0)	1	10	0	0	0	0	100.0%	100.0%	Dec
Republic of Moldova	43	1 (2.0)	0	42	43	0 (0.0)	0	43	100.0%	83.3%	Dec
Romania	2998	1959 (65.0)	71	968	1676	650 (39.0)	62	964	100.0%	91.7%	Dec
Russian Federation	5075	1059 (21.0)	8	4008	4606	313 (7.0)	10	4283	100.0%	83.3%	Dec
San Marino											No Lab
Serbia	223	118 (53.0)	3	102	336	1 (0.0)	0	335	100.0%	41.7%	Dec
Slovakia	10	2 (20.0)	0	8	13	6 (46.0)	0	7	100.0%	83.3%	Dec
Slovenia	151	41 (27.0)	6	104	19	0 (0.0)	0	19	100.0%	91.7%	Dec
Spain	3348	1718 (51.0)	60	500	27	7 (26.0)	0	12	66.7%	58.3%	Aug
Sweden											No Report
Switzerland	491	441 (90.0)	20	30	15	15 (100.0)	0	0	100.0%	91.7%	Dec
Tajikistan	20	1 (5.0)	0	19	20	0 (0.0)	0	20	66.7%	16.7%	Sep
The former Yugoslav Republic of Macedonia	176	53 (30.0)	18	105	122	0 (0.0)	2	120	100.0%	25.0%	Dec
Turkey	6684	147 (2.0)	92	6445	6047	245 (4.0)	305	5497	100.0%	75.0%	Dec
Turkmenistan	59	0 (0.0)	2	57	57	0 (0.0)	0	57	100.0%	58.3%	Dec
Ukraine	638	104 (16.0)	3	531	1104	616 (56.0)	12	476	91.7%	91.7%	Nov
United Kingdom	4514	1139 (25.0)	0	3375	976	7 (1.0)	0	969	100.0%	66.7%	Dec
Uzbekistan	246	176 (72.0)	13	57	76	1 (1.0)	3	72	100.0%	50.0%	Dec
	<u>-</u> ⊣∪	1.10(12.0)	10	U ,	, , ,	. (1.0)		1 -	1 . 55.5 /6	00.070	200

*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 lab data provided by laboratories of the regional measles and rubella lab network.



Country			Incidence Rate	Total 2011													
Abania 3 214 691 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Total								20	11						Month of
Abanish 3 214 691 0.0 0 0 0 0 0 0 0 0	Country	Population ¹	population Jan-	Jan-Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	last report
Americia 3,968 744 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Albania	3 214 691		0	0	0	0	0	0	0	0	0	0	0	0	0	Dec
Alestria 8 405 570	Andorra	67 722	0.0	0	0	0	0	0	0	0	0	0	0	-	-	-	Aug
Asentasignen 9 930 931	Armenia	3 098 784	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec
Bellarius 9 568 452 53.6 576 9 23 145 00 0 1 6 22 4 0 0 0 0 0 0 1 1 6 6 6 6 6 6 6 6 6 6 6 6	Austria	8 405 570	11.8	99	7	5	5	9	18	33	16	4	2	0	0	-	Dec
Belaturs 9 568 432 5.3 5.1 0 0 0 1 1 0 16 29 4 0 0 0 0 0 0 1 1 5 Eachgirm 10 741 129 5.36 676 9 23 145 103 123 91 45 103 10 0 0 0 0 0 1 1 5 Eachgirm 10 741 129 5.36 676 9 23 145 103 123 91 4 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Azerbaijan	9 309 301	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec
Belgium 10741 129 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1375 478 1.3 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	•		5.3	51	0	0	1	0	16	29	4	0	0	0	0	1	Dec
Boolis and Hexagowina 37 564 A78 1.3 5. 0 0 0 0 0 0 0 0 0 4 11 0 0 0 0 0 0 0 0	Belgium			576	9	23	145	103	123	91	45	10	10	3	13	1	Dec
Buggaria	•					0	0	0		0	0	0	4		0	-	Oct
Cyprus	Bulgaria	7 449 799	21.1	157	76	28	27	6	18	1	0	0	1	0	0	0	Dec
Caech Republic 10 522 894 1.6 17 0 0 0 4 5 5 4 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 0 1 1 1 1 1 0	Croatia	4 397 338	1.6	7	2	0	0	0	0	3	2	0	0	0	0	0	Nov
Caech Republic 10 622 894 14.9 14.9 14.9 15.7 10 0 0 4 5 5 4 1 1 1 1 0 0 0 0 0 0 1 1 14.9 15.7 15.0 15	Cyprus	1 116 113	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec
Denmark		10 522 894	1.6	17	0	0	4	5	4	1	1	1	0	0	0	1	Dec
Estonia 1340 887 5.2 7	•						23	19			2	0	0		0	0	Dec
Finland												-	-		-	-	Dec
France 63 103 600 241.0 15206 1560 2447 3716 3304 2267 926 408 148 89 80 121 140 16 Georgia 4330 693 14.8 64 0 1 4 3 111 6 7 17 6 6 7 1 1 1 1 1 1 1 1 1 1 1											-	-	-		-	-	Dec
Georgia 4 330 693 14.8 64 0 1 4 3 311 6 7 17 6 7 1 1 1 1 1 6 Germany 82 140 752 19.5 1600 70 97 187 430 433 168 112 37 27 12 22 5 1 6 George 11 392 891 3.5 40 0 2 6 177 10 2 3 3 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1						-					-	-	-		_	-	Dec
Germany 82 140 752 19.5 1600 70 97 187 430 433 168 112 37 27 12 22 5 6 16 Greece 11 392 891 3.5 40 0 2 6 17 10 2 3 0 0 0 0 0 0 0 0 0 1 1 10 1 1 1 1 1 1	Georgia															1	Dec
Greece 11392891 3.5 40 0 2 6 6 17 10 2 3 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1								_									Dec
Hungary	•																Dec
Iceland							-				-	-	-	-	-	-	Dec
Ireland						-	-	-	-	-	-	-	-	-	-		Dec
Israel						-	-		-	-	-	-	-	-	-	-	Dec
Italy 60 686 264 85.4 5181 345 340 577 920 1303 849 415 176 99 60 54 43 1 Kazakhstan 16 240 343 1.8 30 2 13 15 0														-			Dec
Kazakhstan 16 240 343 1.8 30 2 13 15 0 - <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>Dec</td>						-		-	-		-	-		-			Dec
Kyrgyzstan 5 405 749 40.9 221 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•											-			-	-	Mar
Lativia 2 242 757 0.4 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0							-			-	0	0	0		_	_	Aug
Lithuania 3 311 227 2.1 7 0 0 0 0 1 2 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						-	-		-		-	-		0	0	0	Dec
Luxembourg 514 108 11.7 66 0 0 0 1 0 0 2 2 2 0 0 1 0 0 0 0 0 0 0 0			1				-			-		-	-		-	-	Dec
Malta 418 134 9.6 4 0 1 0 1 0 0 0 2 0 <						-	-				-	-	-	-	-	-	Dec
Monaco 37785						-					-		-	-	-	-	Dec
Montenegro 632 157 7.9 5 0 0 3 1 0 1 0 -							-								-	-	No Report
Netherlands 16 647 522 2.8 46 2 1 10 10 16 11 5 0 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0				5	0	0	3	1	0	1	0	_	_	_	_		Jun
Norway						-	-		-		-	1	0	0	0	0	Dec
Poland 38 307 380 1.0 38																-	Dec
Portugal 10 679 646 0.2 2 0 0 1 0 0 0 0 0 0 1 I Republic of Moldova 3 555 765 0.0 0	•														-	-	Dec
Republic of Moldova 3 555 765 0.0 0											-		-		-	-	Dec
Romania 21 445 408 192.7 4133 137 195 407 406 520 460 385 292 248 151 388 544 I Russian Federation 142 822 544 4.4 635 24 24 22 24 20 42 22 7 9 58 207 176 I San Marino 29 332 -	-							_	-	-	-	-	-	-	-		Nov
Russian Federation 142 822 544 4.4 635 24 24 22 24 20 42 22 7 9 58 207 176 18 18 18 18 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 19	•			-		-	-	-	-		-	-	-		-		Dec
San Marino 29 332 - No Serbia 5 470 405 0.4 2 0 0 0 1 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Dec</td></t<>																	Dec
Serbia 9 842 939 36.4 358 45 56 120 63 37 25 6 4 2 0 </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>No Report</td>													-				No Report
Slovakia 5 470 405 0.4 2 0 0 1 0 1 0																	Dec
Slovenia 2 035 215 10.8 22 0 0 0 2 1 7 12 0															-	-	Dec
Spain 46 366 600 42.8 1986 100 162 252 448 362 181 162 93 78 64 77 7 1 Sweden 9 427 367 2.8 26 4 1 1 8 4 1 2 1 0 1 3 0 1 Switzerland 7 694 595 85.4 657 58 48 109 210 127 58 30 10 1 2 1 3 1 Tajikistan 6 982 372 0.0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>-</td><td></td><td>-</td><td>-</td><td>Dec</td></t<>											-	-	-		-	-	Dec
Sweden 9 427 367 2.8 26 4 1 1 8 4 1 2 1 0 1 3 0 I Switzerland 7 694 595 85.4 657 58 48 109 210 127 58 30 10 1 2 1 3 I Tajikistan 6 982 372 0.0 <							-					-	-		-	-	Dec
Switzerland 7 694 595 85.4 657 58 48 109 210 127 58 30 10 1 2 1 3 I Tajikistan 6 982 372 0.0 0	-																Dec
Tajikistan 6 982 372 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													-			-	Dec
The former Yugoslav 2 063 819 354.2 731 88 95 204 236 74 24 6 2 0 0 0 0 2 If Turkey 73 689 680 1.4 105 6 31 40 12 5 5 6 0 0 0 0 0 - 1 Turkmenistan 5 099 686 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																-	Dec
Turkey 73 689 680 1.4 105 6 31 40 12 5 5 6 0 0 0 0 0 - It Turkmenistan 5 099 686 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•					-	-			-	-	-	-		-	-	Dec
Turkmenistan 5 099 686 0.0 0											-		-		-		Nov
Ukraine 45 242 024 3.8 173 0 1 0 1 10 0 44 45 13 59 - - 62 United Kingdom 62 439 828 17.3 1083 31 33 143 173 186 133 105 60 54 73 63 29 I Uzbekistan 27 802 722 16.8 468 44 58 112 102 90 48 14 0 0 0 - - 60	•										-	-	-		-		Dec
United Kingdom 62 439 828 17.3 1083 31 33 143 173 186 133 105 60 54 73 63 29 I Uzbekistan 27 802 722 16.8 468 44 58 112 102 90 48 14 0 0 0 - - 0							-	_	-		-	-	-		-	-	Oct
Uzbekistan 27 802 722 16.8 468 44 58 112 102 90 48 14 0 0 0						-	-			-							Dec
	-																Oct
Total/Averages 899 321 103 38.08 34250 2625 3694 6165 6550 5708 5710 1859 995 729 618 970 965	Total/Averages												-				OUL

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

No. 21 (February 2012)



Table 5: Classification of AFP cases, surveillance performance and weekly reporting to WHO EURO by country, 2010-2011, WHO European Region																									
	2010 (1-53 weeks)												2011 (1-52 weeks)												
		e e	s ²		Clá	ssificat	ion	<u>'</u>		Rates			e e	°s		Cla	assificat	ion	<u> </u>		Rates		F	Reportin	a
	es ¹	unde	ase	ø				а.			on S	es_	und f ag	ase	a		_		<u>a</u>			ړی		·	
Countries	Cases ¹	cases under	G G	i io	ing	rded	ollic es	/AP	olio ate³	Adequate Stool collection	nde)	Cases	ses rs o	ا ن ک	양털	ing	ded	Polio ses	/AP	polio rate³	Adequate Stool collection	nde	ten	line	1 as
	AFP		Hot AFP Cases ²	Polio Compatible	Pending	Discarded	Wild Polio cases	VDPV/VAPP	Non polio AFP rate ³	Ade Si coll	Surv. Index ⁵	AFP	VFP cases under 15 years of age	Hot AFP Cases ²	Polio Compatible	Pending	Discarded	Wild Po	VDPV/VAPP	Non p	Ade S coll	Surv. Index ⁵	% Completenes s	Timelines	Week of last report
	1	AFP 15	운	ပိ	Δ.	ā	>	V	ž₹		Sur	1	AFF 15	운	ပိ	_	ä	>	V	ž 🔻		Sur	င့်ပ	L %	We
Albania	13	13	0	0	0	13	0	0	1.79	100.0	1.00	4	4	0	0	0	4	0	0	0.56	100.0	0.6	90.0	36.0	49
Andorra	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	69.0	13.0	36
Armenia	13	13	1	0	0	13	0	0	2.08	61.5	0.62	21	21	1	0	3	18	0	0	2.89	90.5	0.9	100.0	76.0	52
Austria	3	3	0	0	0	3	0	0	0.24	0.0	0.00	2	2	0	0	0	2	0	0	0.16	0.0	0.1	98.0	34.0	50
Azerbaijan	29	29	0	0	0	29	0	0	1.51	100.0	1.00	37	37	0	0	8	29	0	0	1.47	97.3	1.0	92.0	88.0	52
Belarus	41	41	2	0	0	41	0	0	2.85	92.7	0.98	46	46	3	0	14	32	0	0	2.21	76.1	0.8	46.0	46.0	51
Belgium	3	3	0	0	0	3	0	0	0.17	0.0	0.06	1	1	0	0	0	1	0	0	0.06	0.0	0.0	75.0	36.0	46
Bosnia and	6	6	0	0	0	6	0	0	1.06	66.7	0.83	7	7	1	0	6	1	0	0	0.18	42.9	0.1	82.0	53.0	51
Herzegovina	U	0											,		U	0									
Bulgaria	13	13	2	0	0	13	0	0	1.26		0.92	13	13	0	0	11	2	0	0	0.19	92.3	0.2	50.0	48.0	52
Croatia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	90.0	21.0	47
Cyprus	7	7	0	0	0	7	0	0	3.57	85.7	0.86	4	4	0	0	4	0	0	0	0.00	100.0	0.0	94.0	94.0	52
Czech Republic	2	2	0	0	0	2	0	0	0.14	100.0	0.14	8	8	0	0	1	7	0	0	0.47	75.0	0.4	82.0	73.0	52
Estonia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	84.0	84.0	52
Georgia	7	7	0	0	0	7	0	0	0.97	100.0	0.97	10	10	1	0	0	9	0	1	1.26	100.0	1.0	96.0	96.0	52
Germany	11	10	0	0	0	11	0	0	0.10	10.0	0.03														
Greece	20	20	1	0	0	20	0	0	1.21	40.0	0.60	24	24	2	0	2	22	0	0	1.31	79.2	0.9	84.0	55.0	52
Hungary	13	13	0	0	0	13	0	0	0.89	38.5	0.54	8	8	0	0	2	6	0	0	0.41	25.0	0.2	100.0	57.0	50
Ireland	2	2	0	0	0	2	0	0	0.21	50.0	0.11	7	7	0	0	0	7	0	0	0.72	14.3	0.3	100.0	23.0	47
Israel	11	11	0	0	0	11	0	0	0.54	0.0	0.15	18	17	0	0	1	17	0	0	0.82	17.6	0.3	80.0	76.0	52
Italy	53	53	0	0	0	53	0	0	0.62	58.5	0.39	63	62	1	0	8	55	0	0	0.64	56.5	0.4	11.0	9.0	50
Kazakhstan*	113	112	4	0	0	112	1	0	2.85	99.1	0.99	101	101	1	0	18	83	0	0	2.05	97.0	1.9	26.0	23.0	51
Kyrgyzstan	68	64	0	0	0	68	0	0	4.24	96.9	1.00	64	61	0	0	6	58	0	0	3.58	100.0	1.0	26.0	26.0	49
Latvia	5	5	0	0	0	5	0	0	1.60	100.0	1.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	94.0	75.0	49
Lithuania	10	10	0	0	0	10	0	0	2.02	100.0	1.00	10	10	0	0	0	10	0	0	2.04	100.0	1.0	98.0	84.0	52
Malta	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	100.0	15.0	52
Montenegro	1	1	0	0	0	1	0	0	0.82	100.0	0.82	3	3	0	0	2	1	0	0	0.83	66.7	0.8	88.0	86.0	51
Norway	9	9	0	0	0	9	0	0	0.98	55.6	0.77	11	11	0	0	7	4	0	0	0.44	9.1	0.3	82.0	26.0	50
Poland	47	47	0	0	0	46	0	1	0.81	72.3	0.67	37	37	3	0	10	27	0	0	0.48	73.0	0.4	96.0	76.0	50
Portugal	8	8	0	0	0	8	0	0	0.50	50.0	0.31	8	7	1	0	1	7	0	0	0.44	42.9	0.3	51.0	3.0	45
Republic of Moldova	15	15	3	0	0	15	0	0	2.52	73.3	0.87	8	8	0	0	1	7	0	0	1.18	100.0	1.0	90.0	90.0	52
Romania	16	16	1	0	0	16	0	0	0.49	100.0	0.49	18	18	0	0	0	18	0	0	0.55	100.0	0.6	92.0	86.0	52
Russian Federation*	397	390	68	0	0	378	14	5	1.76	94.9	0.95	368	366	33	0	31	337	0	0	1.54	92.9	1.4	78.0	78.0	51
Serbia	20	20	0	0	0	20	0	0	1.15	90.0	0.95	10	10	1	0	5	5	0	0	0.29	90.0	0.3	90.0	86.0	52
Slovakia	1	1	0	0	0	1	0	0	0.12	0.0	0.00	2	2	0	0	0	2	0	0	0.24	100.0	0.2	80.0	65.0	51
Slovenia	0	0	0	0	0	0	0	0	0.00	0.0	0.00	0	0	0	0	0	0	0	0	0.00	0.0	0.0	98.0	78.0	52
Spain	31	31	2	0	0	31	0	0	0.45	45.2	0.33	33	33	0	0	9	24	0	0	0.34	30.3	0.2	88.0	59.0	50
Switzerland	9	9	0	0	0	9	0	0	0.77	33.3	0.43	6	3	0	0	0	6	0	0	0.52	66.7	0.3	88.0	38.0	51
Tajikistan*	712	585	0	58	0	193	460	1	7.58	86.7	0.88	55	52	0	0	0	55	0	0	2.16	96.2	1.9	76.0	75.0	51
The former Yugoslav Republic of	7	7	0	0	0	7	0	0	1.93	100.0	1.00	3	3	1	0	0	3	0	0	0.84	100.0	0.8	94.0	88.0	51
Macadonia Turkey	221	215	6	0	0	240	0	2	1.14	74.0	0.79	196	195	3	0	24	171	0	1	0.89	81.0	0.8	86.0	84.0	52
Turkmenistan*	50	50	0	0	0	46	3	1	3.12		1.00	33	33	0	0	4	29	0	0	1.98		2.0	55.0	55.0	50
Ukraine	130	125	22	0	0	129	0	1	2.00				127	31	0	14	112	0	0	1.72		1.0	90.0	90.0	52
Uzbekistan	146	132	4	0	0	146	0	0	1.81	97.7	0.98		197	4	0	24	176	0	0	2.19		1.0	71.0	67.0	52
Average/Total		2098	116	58	0	1737	478	11	1.63	86.00	0.89		1548	_	0	216	1347	0	2		87.00	0.9	76.0	57.0	
¹ AFP case of all ages (Denmark,	Finland,	France, Ic	eland, Lu	xembourg,	Monaco	Netherlar		Marino, S	weden and l	Jnited Kingd	om do not re	port AFF	cases. H	ligh qual	lity surve	illance									

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 surveilland

Contact us: Vaccine-preventable Diseases and Immunization Programme , WHO Regional Office for Europe

Tel.: +45 39 17 1331' E-mail: vaccine@euro.who.int

Web site: http://www.euro.who.int © World Health Organization, Regional Office for Europe, 2011.

² 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).

³ 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

two stool samples collected with 14 days and 48 hours apart.

Suneillance Index = non-polio AFP rate up to 1.0 x (% AFP cases with atleast 1 adequate specimens within 14 days of onset).

Countries infected in 2010. Nonpolio AFP Rate and Surveillance Index targets for these member states have been revised to 2.0 and 1.6 respectively