

Euro Polio Page

Monthly Acute Flaccid Paralysis (AFP) Surveillance Bulletin, February 2008

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Regional Polio Update

The 44 Member States of the WHO European Region conducting national AFP surveillance contain 83% of the region's population under 15 years old.

The table on this page shows regional AFP surveillance indicators for 2004 through early 2008

Supplementary surveillance for polio virus in enteric and/or environmental samples is conducted in most countries, including all countries not conducting AFP surveillance. The map displays the types of AFP surveillance conducted by countries in the region.

Coverage with at least 3 doses of polio vaccine by the first birthday sustained around 95%.

Highlights of AFP surveillance

- The timeliness and completeness of weekly reports from countries conducting AFP surveillance has been stable at 88-90% and 79-80% since 2005.
- The annual non-polio AFP Rate has varied from 1.16 to 1.19 since 2004, meeting the target of 1 per 100 000 children under 15 years old.
- For the same period, the Adequate Stool Collection rate varied between 81% and 82%, meeting the 80 % target.
- There have been no polio cases due to indigenous wild virus since November 1998.

AFP Surveillance Indicators 2004-2008* WHO European Region

Indicators	2004	2005	2006	2007	2008*
Number of AFP Cases	1593	1495	1491	1509	241
Number of countries reporting AFP surveillance data	44 [§]				
Non Polio AFP Rate (Annualized for 2008)	1.16	1.15	1.13	1.15	0.56
% 2 Adequate Stool Collection Rate	81.0	82.0	82.0	82.0	82.0
Compatible cases	4	2	4	2	0
% of AFP cases where at least one stool collected within 14 days of onset	87.0	86.0	86.0	87.0	87.0
% of AFP cases with <= 7 days between onset and notification	75.0	74.0	76.0	77.0	77.0
% of AFP cases with <= 48 hours between notification and investigation	87.0	86.0	86.0	87.0	87.0
% of AFP cases where follow up is done 60 to 90 days after onset	79.0	81.0	80.0	74.0	-

*Data as week 12, 2008

[§] Countries not reporting: Denmark, Finland, France, Iceland, Netherlands, UK, San Marino, Luxembourg and Monaco

Type of Surveillance in European Region,

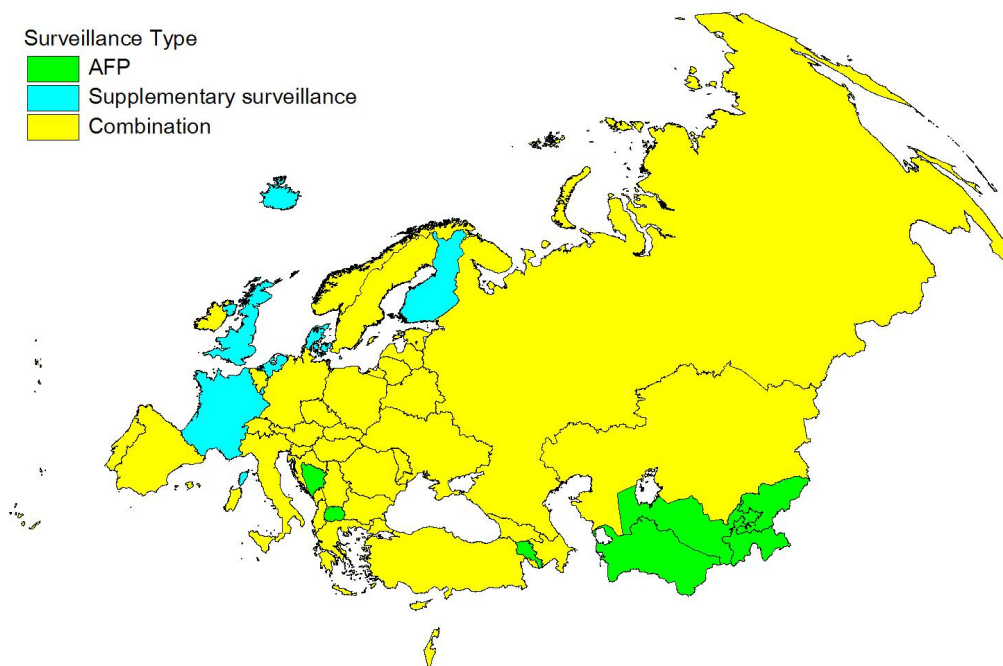


Table 1. Weekly AFP reporting and surveillance process indicators, 2007-2008

Country	% Completeness of weekly AFP reporting in 2008	Week of last report In 2008	Reported AFP cases		% of AFP cases where at least one stool collected within 14 days of onset		% of AFP cases with <= 7 days between onset and notification		% of AFP cases with <= 48 hours between notification and investigation		% of AFP cases where follow up is done 60 to 90 days after onset	
			2007 (Weeks 1-52)	2008 (Weeks 1-12)	2007	2008	2007	2008	2007	2008	2007	2008
Albania	76.0	12	10	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	...
Andorra	92.0	12	0	0	...	...	...	...	...	...	...	...
Armenia	46.0	12	16	3	93.3	100.0	80.0	100.0	60.0	66.7	33.3	...
Austria	100.0	10	4	0	25.0	...	50.0	...	75.0	...	50.0	...
Azerbaijan	92.0	12	24	8	100.0	100.0	41.7	37.5	95.8	100.0	100.0	...
Belarus	53.0	10	51	10	94.1	90.0	84.3	90.0	96.1	100.0	96.1	...
Belgium	100.0	12	9	0	11.1	...	11.1	...	100.0	...	11.1	...
Bosnia and Herzegovina	76.0	12	3	0	100.0	...	100.0	...	66.7	...	0.0	...
Bulgaria	92.0	12	11	3	100.0	100.0	100.0	33.3	90.9	66.7	72.7	...
Croatia	61.0	7	1	0	...	...	...	...	...	...	...	...
Cyprus	92.0	12	1	1	100.0	...	100.0	...	100.0	...	100.0	...
Czech Republic	46.0	12	8	0	100.0	...	87.5	...	100.0	...	75.0	...
Denmark	No AFP Surveillance*											
Estonia	100.0	12	0	0	...	...	...	...	...	...	...	...
Finland	No AFP Surveillance*											
France	No AFP Surveillance*											
Georgia	92.0	12	13	0	84.6	...	61.5	...	92.3	...	100.0	...
Germany	84.0	12	67	19	43.8	44.4	37.5	61.1	60.9	33.3	67.2	...
Greece	92.0	12	15	2	66.7	100.0	100.0	100.0	100.0	100.0	86.7	...
Hungary	92.0	12	8	3	100.0	100.0	62.5	0.0	100.0	100.0	75.0	...
Iceland	No AFP Surveillance*											
Ireland	84.0	10	2	0	50.0	...	0.0	...	0.0	...	0.0	...
Israel	69.0	12	9	1	44.4	...	44.4	...	88.9	...	0.0	...
Italy	46.0	10	63	21	66.7	76.2	85.7	81.0	63.5	19.0	49.2	...
Kazakhstan	69.0	12	58	12	98.3	100.0	87.9	91.7	87.9	91.7	77.6	...
Kyrgyzstan	46.0	12	37	0	100.0	...	94.6	...	86.5	...	73.0	...
Latvia	92.0	12	4	1	66.7	...	66.7	...	100.0	...	66.7	...
Lithuania	61.0	12	13	5	100.0	100.0	100.0	100.0	84.6	100.0	100.0	...
Luxembourg	No AFP Surveillance*											
Malta	69.0	9	0	0	...	...	...	...	...	...	...	...
Moldova	76.0	12	15	1	93.3	...	53.3	...	100.0	...	73.3	...
Monaco	No AFP Surveillance*											
Montenegro	92.0	12	0	0	...	...	...	...	...	...	...	...
Netherlands	No AFP Surveillance*											
Norway	69.0	12	6	3	66.7	33.3	33.3	33.3	66.7	100.0	16.7	...
Poland	92.0	12	39	5	79.5	40.0	84.6	60.0	51.3	40.0	71.8	...
Portugal	0.0	...	4	0	50.0	...	0.0	-	50.0	-	0.0	...
Romania	46.0	12	17	4	88.2	100.0	88.2	100.0	100.0	100.0	94.1	...
Russian Federation	69.0	12	406	70	92.8	97.1	84.7	85.7	94.8	92.9	73.8	...
San Marino	No AFP Surveillance*											
Serbia	69.0	12	9	4	77.8	100.0	55.6	100.0	88.9	100.0	88.9	...
Slovakia	92.0	12	4	0	100.0	...	75.0	...	100.0	...	100.0	...
Slovenia	100.0	12	0	0	...	...	...	...	...	...	...	...
Spain	100.0	12	37	4	83.8	100.0	45.9	100.0	94.6	100.0	75.7	...
Sweden	61.0	8	0	0	0.0	...	0.0	...	0.0	...	0.0	...
Switzerland	76.0	11	19	0	22.2	...	0.0	...	100.0	...	5.6	...
Tajikistan	0.0	...	40	0	97.5	...	80.0	...	75.0	...	77.5	...
The former Yugoslav Republic of Macedonia	69.0	12	5	1	100.0	...	100.0	...	100.0	...	80.0	...
Turkey	69.0	12	235	33	88.1	81.8	68.9	48.5	99.6	100.0	68.9	...
Turkmenistan	53.0	12	26	0	92.3	...	84.6	...	100.0	...	100.0	...
Ukraine	69.0	12	117	17	97.4	100.0	87.2	100.0	97.4	94.1	95.7	...
United Kingdom	No AFP Surveillance*											
Uzbekistan	30.0	7	103	8	99.0	100.0	93.2	100.0	93.2	75.0	92.2	...
Average/Totals	77.0	...	1509	241	87.0	88.0	77.0	78.0	87.0	88.0	75.0	...

...: Denominator not sufficient to calculate this rate/indicator.

*High quality surveillance (e.g. enterovirus and/or environmental) to detect poliovirus exists in Member States with no AFP surveillance.

TABLE 2: Classification of AFP cases and key AFP surveillance indicators, 2007-2008

Country	2007 (Weeks 1 - 52)					2008 (Weeks 1-12)							
	Polio Compatible	Pending Classification Total	Surveillance Rates / Index			AFP Cases	Polio Compatible	Pending Classification			Surveillance Rates / Index		
			Non-Polio AFP Rate ¹ Target ≥ 1.00	% With 2 Stool Specimens ² Target ≥ 80.0%	Surveillance Index ³ Target ≥ 0.8			Total	Hot ⁴ Cases	Total >90 Days ⁵	Annualized Non-Polio AFP Rate ¹ Target ≥ 1.00	% With 2 Stool Specimens ² Target ≥ 80.0%	Surveillance Index ³ Target ≥ 0.8
Albania	0	0	1.23	100.0	1.00	2	0	2	0	0	1.00	50.0	1.00
Andorra	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Armenia	1	0	2.60	66.7	0.93	3	0	2	0	0	2.16	66.7	1.00
Austria	0	0	0.33	0.0	0.08	0	0	0	0	0	0.00	0.0	0.00
Azerbaijan	0	0	1.17	100.0	1.00	8	0	8	0	0	1.61	100.0	1.00
Belarus	0	0	3.67	92.2	0.94	10	0	10	1	0	2.94	90.0	0.90
Belgium	0	7	0.52	0.0	0.06	0	0	0	0	0	0.00	0.0	0.00
Bosnia and Herzegovina	0	3	0.48	100.0	0.48	0	0	0	0	0	0.00	0.0	0.00
Bulgaria	0	0	1.09	100.0	1.00	3	0	3	0	0	1.21	100.0	1.00
Croatia	1	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Cyprus	0	0	0.62	100.0	0.62	1	0	1	0	0	2.51	100.0	1.00
Czech Republic	0	0	0.56	87.5	0.56	0	0	0	0	0	0.00	0.0	0.00
Estonia	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Georgia	0	0	1.66	84.6	0.85	0	0	0	0	0	0.00	0.0	0.00
Germany	0	0	0.56	29.7	0.24	19	0	12	0	0	0.63	33.3	0.28
Greece	0	0	0.95	66.7	0.64	2	0	1	0	0	0.51	100.0	0.51
Hungary	0	0	0.52	37.5	0.52	3	0	3	0	0	0.80	100.0	0.80
Ireland	0	0	0.23	50.0	0.12	0	0	0	0	0	0.00	0.0	0.00
Israel	0	0	0.47	11.1	0.21	1	0	0	0	0	0.21	0.0	0.00
Italy	0	22	0.78	54.0	0.52	21	0	20	0	0	1.04	66.7	0.76
Kazakhstan	0	14	1.77	96.6	0.98	12	0	9	0	0	1.49	100.0	1.00
Kyrgyzstan	0	7	2.27	94.6	1.00	0	0	0	0	0	0.00	0.0	0.00
Latvia	0	1	0.95	66.7	0.63	1	0	1	0	0	1.29	100.0	1.00
Lithuania	0	0	2.46	61.5	1.00	5	0	5	0	0	3.94	80.0	1.00
Malta	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Moldova	0	0	2.11	93.3	0.93	1	0	1	0	0	0.58	100.0	0.58
Montenegro	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Norway	0	3	0.67	16.7	0.45	3	0	2	0	0	1.35	0.0	0.33
Poland	0	2	0.65	61.5	0.52	5	0	3	0	0	0.34	40.0	0.14
Portugal	0	4	0.24	25.0	0.12	0	0	0	0	0	0.00	0.0	0.00
Romania	0	0	0.53	88.2	0.47	4	0	18	1	0	0.50	75.0	0.50
Russian Federation	0	50	1.90	91.4	0.93	70	0	68	10	0	1.32	95.7	0.97
Serbia	0	0	0.52	77.8	0.40	4	0	4	0	0	0.93	100.0	0.93
Slovakia	0	0	0.47	75.0	0.47	0	0	0	0	0	0.00	0.0	0.00
Slovenia	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Spain	0	1	0.58	56.8	0.49	4	0	2	0	0	0.25	50.0	0.25
Sweden	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Switzerland	0	1	1.56	5.6	0.22	0	0	0	0	0	0.00	0.0	0.00
Tajikistan	0	9	1.60	97.5	0.98	0	0	0	0	0	0.00	0.0	0.00
The former Yugoslav Republic of Macedonia	0	0	1.32	80.0	1.00	1	0	1	0	0	1.08	100.0	1.00
Turkey	0	2	1.09	85.1	0.88	33	0	27	2	0	0.61	75.8	0.50
Turkmenistan	0	0	1.74	92.3	0.92	0	0	0	0	0	0.00	0.0	0.00
Ukraine	0	6	1.83	94.9	0.97	17	0	17	0	0	1.10	100.0	1.00
Uzbekistan	0	12	1.19	99.0	0.99	8	0	8	0	0	0.37	100.0	0.37
Average/Total	2	144	1.15	82.0	0.87	241	0	228	14	0	0.56	82.0	0.49

¹Non polio AFP cases per 100 000 children under the age of 15 years (annualized for year 2008)

²Two stool specimens collected at least 24 hrs. apart within 14 days of onset of paralysis and adequately shipped to the laboratory.

³Surveillance Index = non-polio AFP rate up to 1.0 x (% AFP cases with atleast 1 adequate specimens within 14 days of onset).

⁴Hot 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)

⁵Total number of AFP cases pending final classification 90 days after date of onset.