

Hot AFP cases

“Hot AFP case” – an AFP case reported to WHO/EURO with one or more following conditions:

- less than 3 doses of polio vaccine;
- suspected clinical polio;
- recent travel to polio endemic countries;
- high-risk population group.

A priority investigation code for the above condition is assigned to the AFP case at point of investigation. AFP cases with priority investigation codes (1,2,3 or 4) are considered ‘Hot’ AFP cases. A fast-track system is already in place to ensure detailed case investigation and rapid shipment and testing of samples (collected from ‘Hot’ AFP cases) at national and regional reference laboratories.

Table A shows the timeliness of reporting Hot AFP cases to WHO/European Region. In year 2007 and 2008*, of the 70 and 25 ‘Hot’ AFP cases reported, only 40% and 48% were reported within 10 days from the date of investigation.

Keeping the European Region polio free will require continued high coverage with polio vaccine, vigilant surveillance for AFP, and the rapid reporting, response and priority processing of Hot AFP cases. It is therefore very important that priority investigation codes are assigned to AFP cases properly and that Hot AFP cases are reported to WHO EURO as soon as possible.

*as of week 20,2008

Map of Hot AFP Cases, WHO/European Region, 2007 - 2008

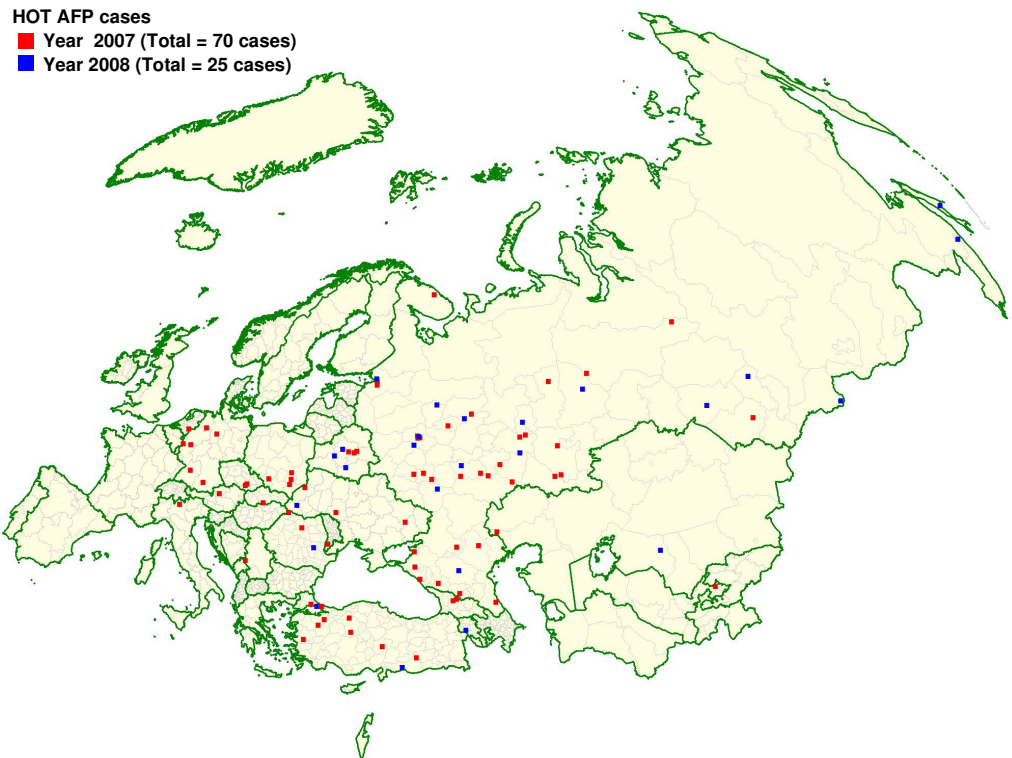


Table A: Hot AFP cases and number of days after Hot AFP cases reported to WHO/European Region from date of investigation, 2007-2008(week 20)

Member States	2007			2008				
	Total Hot AFP cases	0-10 days	11-20 days	21+ days	Total Hot AFP cases	0-10 days	11-20 days	21+ days
Armenia					1	1		
Austria	1			1				
Belarus	3	2	1		4	4		
Czech Republic	2	1	1					
Georgia	2	2						
Germany	6	6						
Italy	1	1						
Kazakhstan	1			1	1	1		
Moldova	1	1						
Poland	4	3	1					
Romania	1	1			1	1		
Russian Federation	32	4	12	16	15	4	3	8
Serbia	1	1						
Slovakia	1	1						
Turkey	9	2	5	2	2		2	
Ukraine	4	2		2	1	1		
Uzbekistan	1	1						
Total	70	28	20	22	25	12	5	8
%	100	40	29	31	100	48	20	32

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 1-20)	2007	2008	2007	2008	2007	2008	2007	2008
Albania	90.0	20	10	3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Andorra	100.0	20	0	0	...	...	...	...	...	...	...	...
Armenia	55.0	19	15	5	93.3	100.0	80.0	100.0	60.0	80.0	33.3	0.0
Austria	100.0	20	4	0	25.0	...	50.0	...	75.0	...	50.0	...
Azerbaijan	100.0	20	24	13	100.0	100.0	41.7	38.5	95.8	100.0	100.0	100.0
Belarus	55.0	20	51	16	94.1	93.8	84.3	81.3	96.1	100.0	96.1	87.5
Belgium	100.0	20	9	0	11.1	...	11.1	...	100.0	...	44.4	...
Bosnia and Herzegovina	90.0	20	3	1	100.0	0.0	100.0	100.0	66.7	100.0	33.3	0.0
Bulgaria	95.0	20	11	7	100.0	100.0	100.0	71.4	90.9	71.4	72.7	50.0
Croatia	45.0	14	0	0	0.0	...	0.0	...	0.0	...	0.0	...
Cyprus	100.0	20	1	1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Czech Republic	60.0	19	8	4	100.0	100.0	87.5	50.0	100.0	100.0	75.0	100.0
Denmark	No AFP Surveillance*											
Estonia	100.0	20	0	0	...	...	...	...	...	...	...	...
Finland	No AFP Surveillance*											
France	No AFP Surveillance*											
Georgia	95.0	20	13	0	84.6	...	61.5	...	92.3	...	100.0	...
Germany	95.0	20	64	34	43.8	35.3	37.5	44.1	60.9	41.2	67.2	76.5
Greece	75.0	16	15	2	66.7	100.0	100.0	100.0	100.0	100.0	86.7	0.0
Hungary	100.0	20	8	5	100.0	100.0	62.5	0.0	100.0	100.0	75.0	0.0
Iceland	No AFP Surveillance*											
Ireland	95.0	18	2	3	50.0	...	0.0	...	0.0	...	0.0	...
Israel	70.0	20	9	2	44.4	0.0	44.4	50.0	88.9	100.0	0.0	0.0
Italy	45.0	18	63	30	66.7	80.0	85.7	80.0	63.5	16.7	60.3	23.5
Kazakhstan	85.0	20	54	28	98.1	100.0	87.0	96.4	88.9	96.4	100.0	100.0
Kyrgyzstan	40.0	18	37	6	100.0	100.0	94.6	100.0	86.5	100.0	91.9	0.0
Latvia	95.0	20	3	2	100.0	100.0	66.7	100.0	100.0	100.0	66.7	0.0
Lithuania	70.0	20	13	6	100.0	100.0	100.0	100.0	84.6	100.0	100.0	0.0
Luxembourg	No AFP Surveillance*											
Malta	100.0	20	0	0	0.0	...	0.0	...	0.0	...	0.0	...
Moldova	90.0	20	15	1	93.3	100.0	53.3	100.0	100.0	100.0	73.3	0.0
Monaco	No AFP Surveillance*											
Montenegro	85.0	19	0	0	...	...	...	...	...	...	...	...
Netherlands	No AFP Surveillance*											
Norway	75.0	20	6	5	66.7	60.0	33.3	20.0	66.7	100.0	33.3	0.0
Poland	65.0	14	39	8	84.6	62.5	89.7	87.5	53.8	50.0	71.8	75.0
Portugal	5.0	...	8	0	62.5	...	25.0	...	25.0	...	87.5	...
Romania	55.0	20	17	6	88.2	100.0	88.2	100.0	100.0	100.0	94.1	33.3
Russian Federation	85.0	20	355	148	93.5	97.3	84.2	87.2	94.9	94.6	84.2	30.5
San Marino	No AFP Surveillance*											
Serbia	80.0	20	9	9	77.8	77.8	55.6	77.8	88.9	88.9	88.9	66.7
Slovakia	95.0	19	4	0	100.0	...	75.0	...	100.0	...	100.0	...
Slovenia	100.0	20	0	0	0.0	...	0.0	...	0.0	...	0.0	...
Spain	95.0	20	37	9	83.8	44.4	45.9	44.4	94.6	100.0	75.7	33.3
Sweden	40.0	8	0	0	...	...	...	...	...	...	...	...
Switzerland	75.0	18	17	1	23.5	0.0	0.0	0.0	100.0	100.0	5.9	100.0
Tajikistan	10.0	...	41	5	97.6	100.0	78.0	0.0	73.2	0.0	75.6	0.0
The former Yugoslav Republic of Macedonia	70.0	19	5	2	100.0	100.0	100.0	100.0	100.0	100.0	80.0	0.0
Turkey	85.0	20	233	55	88.0	80.0	69.1	56.4	99.6	100.0	69.5	86.7
Turkmenistan	95.0	20	26	2	92.3	100.0	84.6	100.0	100.0	100.0	100.0	0.0
Ukraine	80.0	20	116	43	97.4	95.3	87.1	93.0	97.4	97.7	99.1	100.0
United Kingdom	No AFP Surveillance*											
Uzbekistan	35.0	20	103	35	99.0	100.0	94.2	94.3	94.2	88.6	92.2	100.0
Average/Totals	77.0	...	1448	497	87.0	87.0	77.0	77.0	87.0	87.0	80.0	58.0

...: 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 1-20)							
	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	3	0	1	0	0	0.97	100.0	0.97
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	5	0	4	1	2	2.34	80.0	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	13	0	10	0	0	1.70	100.0	1.00
Belarus	0	0	3.67	92.2	0.94	16	0	11	4	3	3.05	93.8	0.94
Belgium	0	2	0.52	0.0	0.06	0	0	0	0	0	0.00	0.0	0.00
Bosnia and Herzegovina	0	0	0.48	100.0	0.48	1	0	1	0	0	0.42	0.0	0.00
Bulgaria	0	0	1.09	100.0	1.00	7	0	7	0	2	1.83	85.7	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	1.63	100.0	1.00
Czech Republic	0	0	0.56	87.5	0.56	4	0	1	0	0	0.74	75.0	0.74
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	34	0	16	0	1	0.78	29.4	0.27
Greece	0	0	0.95	66.7	0.64	2	0	1	0	1	0.33	100.0	0.33
Hungary	0	0	0.52	37.5	0.52	5	0	3	0	1	0.87	80.0	0.87
Ireland	0	0	0.23	50.0	0.12	3	0	3	0	0	0.90	0.0	0.30
Israel	0	0	0.47	11.1	0.21	2	1	0	0	0	0.27	0.0	0.00
Italy	0	13	0.78	54.0	0.52	30	0	26	0	13	0.97	66.7	0.77
Kazakhstan	0	0	1.65	96.3	0.98	28	0	15	1	0	2.26	100.0	1.00
Kyrgyzstan	0	0	2.27	94.6	1.00	6	0	6	0	0	0.96	100.0	0.96
Latvia	0	0	0.95	66.7	0.95	2	0	1	0	0	1.68	100.0	1.00
Lithuania	0	0	2.46	61.5	1.00	6	0	1	0	0	3.07	83.3	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	0.38	100.0	0.38
Montenegro	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Norway	0	0	0.67	16.7	0.45	5	0	1	0	0	1.47	20.0	0.60
Poland	0	0	0.65	66.7	0.55	8	0	3	0	0	0.36	62.5	0.22
Portugal	0	0	0.48	62.5	0.30	0	0	0	0	0	0.00	0.0	0.00
Romania	0	0	0.53	88.2	0.47	6	0	14	1	1	0.49	100.0	0.49
Russian Federation	0	0	1.67	91.8	0.94	148	0	128	16	39	1.81	93.2	0.97
Serbia	0	0	0.52	77.8	0.40	9	0	7	0	1	1.36	66.7	0.78
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	0	0.58	56.8	0.49	9	0	7	0	1	0.36	22.2	0.16
Sweden	0	0	0.00	0.0	0.00	0	0	0	0	0	0.00	0.0	0.00
Switzerland	0	1	1.47	5.9	0.24	1	0	0	0	0	0.23	0.0	0.00
Tajikistan	0	1	1.64	95.1	0.98	5	0	5	0	1	0.52	100.0	0.52
The former Yugoslav Republic of Macedonia	0	0	1.32	80.0	1.00	2	0	2	0	0	1.40	100.0	1.00
Turkey	0	0	1.08	85.0	0.88	55	0	28	2	4	0.66	72.7	0.53
Turkmenistan	0	0	1.74	92.3	0.92	2	0	2	0	0	0.35	100.0	0.35
Ukraine	0	0	1.82	94.8	0.97	43	0	32	1	0	1.81	95.3	0.95
Uzbekistan	0	0	1.19	99.0	0.99	35	0	25	0	3	1.06	100.0	1.00
Average/Total	2	17	1.11	82.0	0.88	497	1	363	26	73	0.77	82.0	0.67

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.