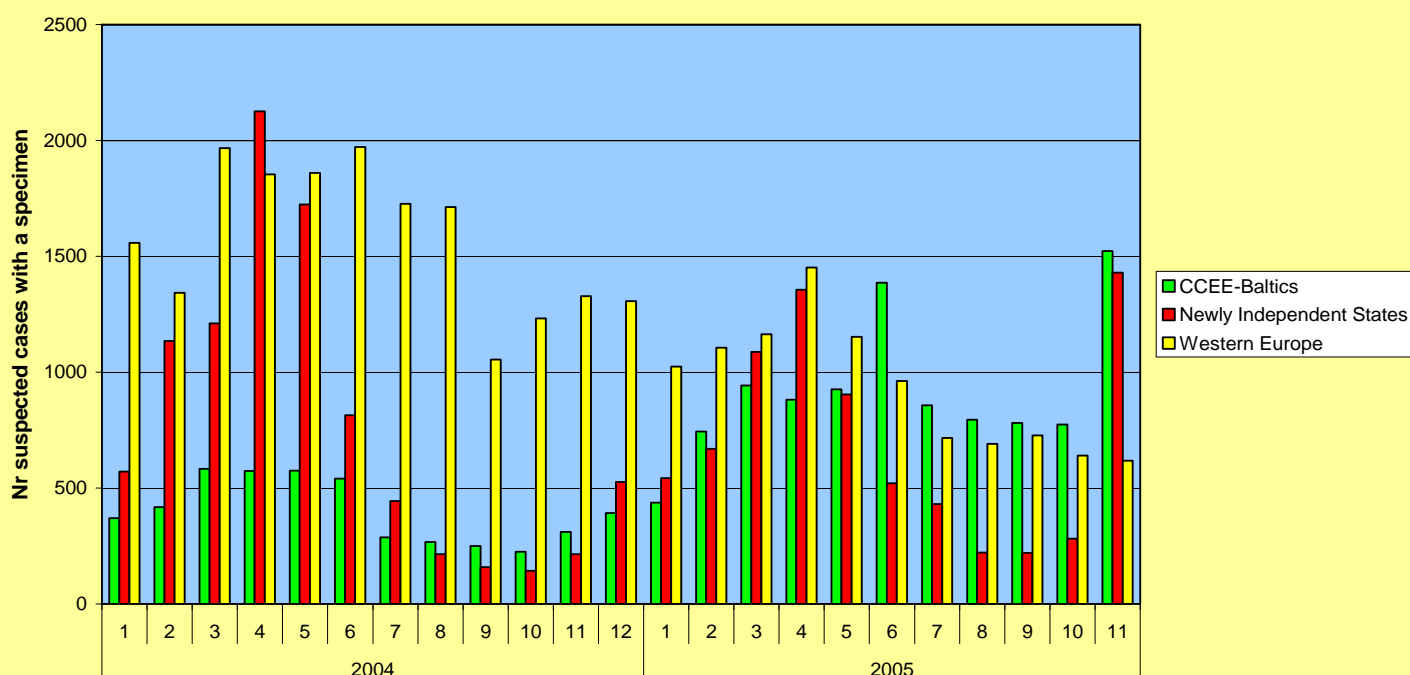




# MEASLES LABORATORY DATA:

## Laboratory surveillance of measles and rubella in the European region

Monthly number of suspected cases with specimen, by EURO sub-regions 2004-2005



## Regional and sub regional laboratory indicators for measles and rubella in 2005

Table 1

Area Groups	Year	% subnational laboratories reporting*	Nr of suspected cases with a specimen	Nr of specimens received	% Serum specimen
Measles CCEE-Baltics	2005	63.4%	11354	11651	99.7%
Newly Independent States	2005	98.9%	7851	8162	93.8%
Western Europe	2005	9.4%	10765	11135	84.7%
WHO European Region	2005	21.8%	29970	30948	92.7%

\*Number of laboratories reporting divided by number of laboratories under surveillance in a given country as an indicator of the geographical coverage of reporting inside the country

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## Regional and sub regional laboratory indicators for measles and rubella in 2005

### Table 2

		Measles															
					IgM					RT-PCR			Isolation			Sequencing	
Area Groups	Year	% specimen with 4 to 7 days between onset and collection	% specimen with <3 days between collection and reception at the lab	% specimen with 7 to 14 days between reception at the lab and results	Nr to be tested	% adequate specimens	% Pos	% inconclusive	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pending
Measles CCEE-Baltics	2005	19.2%	23.7%	16.4%	8280	99.9%	48.9%	4.2%	3.0%	0			10	20.0%	0.0%	0	
Newly Independent States	2005	51.8%	70.4%	9.2%	6773	99.9%	28.7%	1.4%	18.0%	38	26.3%	31.6%	30	17.2%	31.0%	0	
Western Europe	2005	31.5%	55.7%	2.8%	2462	97.0%	5.6%	1.1%	0.3%	273	30.6%	0.0%	74	0.0%	47.3%	80	76.7%
WHO European Region	2005	35.7%	47.5%	12.3%	17515	99.5%	35.1%	2.7%	8.5%	311	30.1%	3.9%	114	6.2%	38.9%	80	76.7%

### Table 3

		Rubella															
					IgM					RT-PCR			Isolation			Sequencing	
Area Groups	Year	% specimen with 4 to 7 days between onset and collection	% specimen with <3 days between collection and reception at the lab	% specimen with 7 to 14 days between reception at the lab and results	Nr to be tested	% adequate specimens	% Pos	% inconclusive	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pending
Rubella CCEE-Baltics	2005	20.2%	30.6%	23.9%	6445	100.0%	9.4%	1.2%	1.1%	0			0			0	
Newly Independent States	2005	51.8%	58.2%	13.0%	5465	99.9%	31.9%	1.7%	18.8%	0			0			0	
Western Europe	2005	81.6%	72.9%	1.1%	7782	99.4%	1.7%	0.1%	0.1%	99	18.2%	6.1%	18	0.0%	0.0%	11	100.0%
WHO European Region	2005	64.5%	58.3%	10.8%	19692	99.7%	12.6%	0.9%	5.6%	99	18.2%	6.1%	18	0.0%	0.0%	11	100.0%

- Blank cells reflect the fact that the field was not filled in by the laboratories

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe  
 Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## National laboratory indicators for measles and rubella in 2005

### Table 4

Country	Year	% subnational laboratories reporting*	Nr of suspected cases with a specimen	Nr of specimens received	% Serum specimen
Albania	2005	100.0%	7	7	100.0%
Armenia	2005	100.0%	144	144	100.0%
Austria	2005	100.0%	6887	6887	100.0%
Azerbaijan	2005	100.0%	437	437	
Belarus	2005	100.0%	511	530	99.2%
Belgium	2005	0.3%	5	6	83.3%
Bulgaria	2005	100.0%	772	772	100.0%
Croatia	2005	100.0%	1	1	100.0%
Cyprus	2005	100.0%	85	125	100.0%
Czech Republic	2005	26.0%	43	53	94.3%
Estonia	2005	100.0%	442	497	100.0%
Finland	2005	100.0%	700	709	98.7%
Georgia	2005	100.0%	84	142	100.0%
Hungary	2005	100.0%	26	37	100.0%
Israel	2005	100.0%	677	723	94.6%
Kazakhstan	2005	100.0%	469	490	100.0%
Kyrgyzstan	2005	100.0%	374	374	100.0%
Latvia	2005	100.0%	90	99	100.0%
Lithuania	2005	100.0%	15	18	100.0%
Luxembourg	2005	100.0%	218	218	100.0%
Netherlands	2005	100.0%	1	6	33.3%
Norway	2005	16.7%	57	61	96.7%
Poland	2005	100.0%	53	54	100.0%
Portugal	2005	100.0%	29	73	34.2%
Republic of Moldova	2005	100.0%	71	71	100.0%
Romania	2005	100.0%	6332	6358	100.0%
Russian Federation	2005	100.0%	2327	2464	97.5%
Serbia and Montenegro	2005	100.0%	129	138	100.0%
Slovakia	2005	100.0%	2512	2612	100.0%
Slovenia	2005	83.3%	96	96	100.0%
Spain	2005	81.8%	68	137	50.4%
Switzerland	2005	100.0%	33	40	70.0%
Tajikistan	2005	100.0%	59	59	100.0%
Turkey	2005	37.5%	751	784	95.8%
Turkmenistan	2005	100.0%	390	390	100.0%
Ukraine	2005	90.9%	1662	1738	99.9%
United Kingdom of Great Britain and Northern Ireland	2005	1.3%	2090	2275	33.1%
Uzbekistan	2005	100.0%	1323	1323	100.0%

\*Number of laboratories reporting divided by number of laboratories under surveillance in a given country as an indicator of the geographical coverage of reporting inside the country

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

# National laboratory indicators for measles and rubella in 2005

## Table 5

Country	Year	Measles																	
		% specimen with 4 to 7 days between onset and collection	% specimen with <3 days between collection and reception at the lab	% specimen with 7 to 14 days between reception at the lab and results	IgM					RT-PCR			Isolation			Sequencing			
					Nr to be tested	% adequate specimens	% Pos	% Inconclusive	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pending		
Albania	2005	0.0%	100.0%	0.0%	6	100.0%	0.0%	0.0%	0.0%										
Armenia	2005	100.0%	100.0%	0.0%	144	100.0%	64.6%	2.8%	0.0%										
Austria	2005	66.1%	67.9%	0.0%	785	100.0%	0.3%	0.0%	0.0%										
Azerbaijan	2005	26.3%	93.5%	0.0%	383	99.0%	79.2%	2.4%	0.0%										
Belarus	2005	60.9%	34.5%	40.1%	197	100.0%	0.5%	0.0%	0.0%	0			4	0.0%	50.0%	0			
Belgium	2005		50.0%	0.0%	4	100.0%	25.0%	0.0%	0.0%	0			0			0			
Bulgaria	2005	21.4%	38.0%	16.1%	772	100.0%	0.5%	0.0%	0.0%	0			0			0			
Croatia	2005	100.0%	100.0%	0.0%	1	100.0%	0.0%	0.0%	0.0%				0						
Cyprus	2005	8.5%		0.0%	125	100.0%	0.8%	0.0%	0.0%										
Czech Republic	2005		21.1%	50.0%	38	100.0%	34.2%	13.2%	0.0%	0			0			0			
Estonia	2005			0.0%	86	100.0%	4.7%	0.0%	1.2%										
Finland	2005				102	100.0%	1.0%	0.0%	0.0%	1	0.0%	0.0%							
Georgia	2005	36.2%	94.2%	0.0%	69	100.0%	27.5%	4.3%	0.0%										
Hungary	2005	33.3%	57.6%	31.3%	30	96.7%	10.3%	10.3%	0.0%	0			0			0			
Israel	2005	60.0%	76.7%	25.6%	45	100.0%	2.2%	0.0%	0.0%	12	33.3%	0.0%	6	0.0%	0.0%				
Kazakhstan	2005	45.7%	30.6%	7.7%	324	100.0%	39.8%	4.3%	39.8%										
Kyrgyzstan	2005	20.4%	61.5%	28.1%	374	100.0%	15.0%	0.8%	0.0%										
Latvia	2005	48.6%	45.9%	0.0%	37	100.0%	8.1%	8.1%	0.0%	0			0			0			
Lithuania	2005	18.2%	83.3%	8.3%	12	100.0%	0.0%	8.3%	0.0%	0			0			0			
Luxembourg	2005		100.0%	0.0%	121	100.0%	0.8%	0.0%	0.0%	0			0			0			
Netherlands	2005	33.3%	100.0%	0.0%	3	100.0%	100.0%	0.0%	0.0%	6	100.0%	0.0%	1	0.0%	100.0%	6		0.0%	
Norway	2005		50.0%	43.3%	30	100.0%	0.0%	0.0%	20.0%										
Poland	2005	3.7%	33.3%	50.9%	54	98.1%	0.0%	0.0%	0.0%										
Portugal	2005	50.0%	33.3%	0.0%	14	100.0%	64.3%	0.0%	0.0%	32	81.3%	0.0%	32	0.0%	100.0%	32		100.0%	
Republic of Moldova	2005	70.4%	23.9%	43.9%	87	100.0%	6.9%	5.7%	13.8%										
Romania	2005	19.1%	18.7%	15.9%	5976	99.9%	63.1%	5.4%	4.2%										
Russian Federation	2005	59.3%	69.5%	3.6%	2371	100.0%	17.2%	1.3%	0.2%	38	26.3%	31.6%	26	20.0%	28.0%				
Serbia and Montenegro	2005	9.5%	57.1%	4.8%	21	100.0%	19.0%	0.0%	0.0%	0			0			0			
Slovakia	2005		48.4%	26.1%	349	100.0%	3.2%	0.3%	0.0%										
Slovenia	2005				25	100.0%	4.0%	0.0%	0.0%										
Spain	2005	46.4%	87.7%	9.8%	69	100.0%	15.9%	1.4%	1.4%	46	15.2%	0.0%	35	0.0%	5.7%	5		0.0%	
Switzerland	2005	25.0%			28	100.0%	100.0%	0.0%	0.0%	12	100.0%	0.0%				7		0.0%	
Tajikistan	2005	40.7%	74.1%	11.1%	34	100.0%	0.0%	0.0%	0.0%										
Turkey	2005				748	100.0%	30.7%	1.7%	0.0%				10	20.0%	0.0%				
Turkmenistan	2005	65.3%	96.4%	12.6%	380	100.0%	0.5%	0.0%	50.8%										
Ukraine	2005	37.3%	69.2%	13.1%	1215	100.0%	64.4%	1.8%	0.0%										
United Kingdom of Great Britain and Northern Ireland	2005	9.4%	41.6%		1261	94.1%	6.4%	2.2%	0.0%	164	18.3%	0.0%	0			30		82.8%	
Uzbekistan	2005	61.1%	75.9%	6.2%	1195	100.0%	12.6%	0.3%	73.8%	0			0			0			

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe  
 Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

Table 6

Country	Year	Rubella																	
		% specimen with 4 to 7 days between onset and collection	% specimen with <3 days between collection and reception at the lab	% specimen with 7 to 14 days between reception at the lab and results	IgM					RT-PCR			Isolation			Sequencing			
					Nr to be tested	% adequate specimens	% Pos	% Inconclusive	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pos	% Pending	Nr to be tested	% Pending		
Albania	2005	0.0%	0.0%	0.0%	1	100.0%	0.0%	0.0%	0.0%										
Armenia	2005	100.0%	100.0%	13.0%	46	100.0%	0.0%	0.0%	0.0%										
Austria	2005	88.1%	76.9%	0.0%	6102	100.0%	0.3%	0.0%	0.0%										
Azerbaijan	2005	24.1%	98.1%	0.0%	54	100.0%	20.4%	3.7%	0.0%										
Belarus	2005	61.7%	30.1%	12.1%	528	100.0%	57.4%	0.4%	0.0%	0			0				0		
Belgium	2005		50.0%	50.0%	2	50.0%	0.0%		0.0%	0			0				0		
Bulgaria	2005	21.4%	38.0%	11.3%	772	100.0%	45.5%	0.0%	0.0%	0			0				0		
Croatia	2005																		
Cyprus	2005	8.5%		0.0%	125	100.0%	0.0%	0.0%	0.0%										
Czech Republic	2005		34.7%	34.7%	49	100.0%	6.1%	0.0%	0.0%	0			0				0		
Estonia	2005			0.0%	410	100.0%	1.5%	0.0%	1.5%										
Finland	2005				605	100.0%	0.0%	0.0%	0.0%	3	0.0%	0.0%							
Georgia	2005	34.2%	95.9%	0.0%	73	100.0%	34.2%	2.7%	0.0%										
Hungary	2005																		
Israel	2005		47.9%	14.5%	351	100.0%	22.2%	0.0%	0.0%	25	40.0%	0.0%	18	0.0%	0.0%				
Kazakhstan	2005	21.7%	31.3%	17.5%	171	100.0%	16.4%	4.1%	0.0%										
Kyrgyzstan	2005	20.4%	61.5%	35.6%	326	100.0%	0.6%	2.5%	0.6%										
Latvia	2005	53.2%	41.3%	1.3%	80	100.0%	0.0%	0.0%	1.3%	0			0				0		
Lithuania	2005	21.4%	72.2%	0.0%	18	100.0%	0.0%	5.6%	0.0%	0			0				0		
Luxembourg	2005		100.0%	0.0%	102	100.0%	9.8%	0.0%	0.0%	0			0				0		
Netherlands	2005	33.3%	100.0%	0.0%	3	100.0%	0.0%	0.0%	0.0%	6	0.0%	100.0%					6	100.0%	
Norway	2005	0.0%	20.0%	33.3%	49	100.0%	4.1%	0.0%	22.4%										
Poland	2005				2	100.0%	0.0%	0.0%	0.0%										
Portugal	2005				0					0			0				0		
Republic of Moldova	2005	70.4%	23.9%	43.9%	87	100.0%	0.0%	9.2%	13.8%										
Romania	2005	18.7%	7.0%	7.4%	1816	100.0%	4.7%	1.7%	0.3%										
Russian Federation	2005	64.2%	71.1%	7.5%	1669	100.0%	38.0%	1.9%	0.0%										
Serbia and Montenegro	2005	4.3%	78.6%	29.9%	117	100.0%	0.0%	0.0%	0.0%	0			0				0		
Slovakia	2005		25.5%	36.6%	2263	100.0%	0.5%	0.0%	2.5%										
Slovenia	2005				71	100.0%	1.4%	1.4%	0.0%										
Spain	2005	62.2%	82.9%	9.1%	29	100.0%	37.9%	0.0%	0.0%	44	6.8%	0.0%							
Switzerland	2005																		
Tajikistan	2005	13.6%	86.4%	63.8%	59	98.3%	44.8%	0.0%	0.0%										
Turkey	2005				721	100.0%	20.5%	6.0%	0.0%										
Turkmenistan	2005	65.3%	96.4%	12.6%	380	100.0%	26.3%	1.3%	50.8%										
Ukraine	2005	47.5%	45.3%	10.8%	869	99.8%	61.6%	2.5%	0.0%										
Great Britain and Northern Ireland	2005	9.5%	41.6%		539	91.3%	3.5%	1.0%	0.0%	21	23.8%	0.0%	0				5	100.0%	
Uzbekistan	2005	21.6%	19.5%	11.8%	1203	100.0%	6.8%	0.5%	68.2%	0			0				0		

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe  
Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

# Completeness of laboratory surveillance for measles and rubella in the European Region as of 11 January 2006

## Table 7

Country	% sub national labs	Nr reports	Completeness	Nr timely reports	Timeliness	Nr of persons with at least 1 specimen	Months											
							1	2	3	4	5	6	7	8	9	10	11	12
Albania	100%	11	100%	10	91%	6	1	0	0	0	0	0	4	0	1	0	0	
Andorra		0	0%	0	0%													
Armenia	100%	9	82%	9	82%	144	42	32	9	14	13	28	4	2			0	
Austria	100%	11	100%	5	45%	6389	554	542	604	648	581	797	561	523	587	503	489	
Azerbaijan	100%	11	100%	6	55%	429	48	66	38	108	111	34	11	0	5	4	4	
Belarus	100%	11	100%	9	82%	511	8	35	47	104	90	89	55	31	16	9	27	
Belgium	0%	11	100%	11	100%	5	1	0	0	0	0	0	0	0	1	2	1	
Bosnia and Herzegovina		0	0%	0	0%													
Bulgaria	100%	11	100%	9	82%	772	13	19	68	112	279	192	44	16	8	6	15	
Croatia	100%	11	100%	9	82%	1	0	0	0	0	0	1	0		0	0	0	
Cyprus	75%	11	100%	11	100%	85	10	3	12	12	12	1	10	15	10			
Czech Republic	26%	11	100%	11	100%	43	4	2	0	3	2	9	3	8	4	8	0	
Denmark		0	0%	0	0%													
Estonia	100%	11	100%	6	55%	392	42	40	34	44	31	24	30	35	40	33	39	
Finland	100%	11	100%	9	82%	700	73	58	52	58	83	74	63	80	49	57	53	
France		0	0%	0	0%													
Georgia	100%	11	100%	11	100%	84	1	3	4	8	10	36	7	11	2	1	1	
Germany		0	0%	0	0%													
Greece		0	0%	0	0%													
Hungary	100%	11	100%	9	82%	23	5	3	1	1	2	4	1	2	1	1	2	
Iceland		0	0%	0	0%													
Ireland		0	0%	0	0%													
Israel	100%	11	100%	7	64%	677	72	61	61	76	82	57	47	64	63	43	51	
Italy		0	0%	0	0%													
Kazakhstan	100%	11	100%	4	36%	452	207	61	98	33	5	2	2	2	9	9	24	
Kyrgyzstan	100%	11	100%	9	82%	345	54	15	59	36	37	19	29	21	19	27	29	
Latvia	100%	10	91%	9	82%	79	9	6	16	4	4	12	5	7	9	7	7	
Lithuania	100%	11	100%	11	100%	15	1	0	0	4	1	6	1	0	0	2	0	
Luxembourg	100%	11	100%	10	91%	209	15	24	24	14	14	15	25	15	16	28	19	
Malta		0	0%	0	0%													
Monaco		0	0%	0	0%													
Netherlands		0	0%	0	0%													
Norway	17%	11	100%	10	91%	54	8	6	9	3	3	6	5	2	5	2	5	
Poland	100%	11	100%	6	55%	53	8	14	10	7	3	1	2	1	3	2	2	
Portugal	100%	10	91%	8	73%	29	1	3	2	6	3	3	4	5	1	1		
Republic of Moldova	100%	11	100%	11	100%	59	2	7	12	5	8	4	4	2	0	10	5	
Romania	100%	11	100%	11	100%	5135	155	203	311	289	273	610	488	501	444	570	1291	
Russian Federation	100%	11	100%	10	91%	2327	79	208	227	232	236	172	149	75	67	102	780	
San Marino		0	0%	0	0%													
Slovakia	100%	11	100%	8	73%	2512	153	310	399	276	252	238	225	202	225	125	107	
Slovenia	75%	2	18%	1	9%	71									32		39	
Spain	91%	10	91%	1	9%	68	3	8	10	8	10	10	10	2	4	3		
Sweden		0	0%	0	0%													
Switzerland	100%	11	100%	5	45%	32	9	12	4	3	1	0	1	0	1	1	0	
Tajikistan	100%	11	100%	6	55%	59	2	1	0	8	35	10	0	0	0	0	3	
The former Yugoslav Republic of Macedonia		0	0%	0	0%													
Turkey	38%	11	100%	5	45%	751	31	144	95	101	54	287	20	3	1	7	8	
Turkmenistan	100%	11	100%	5	45%	271	19	81	61	31	13	3	7	10	20	8	18	
Ukraine	91%	11	100%	7	64%	1662	35	78	185	217	85	118	153	66	79	112	534	
United Kingdom of Great Britain and Northern Ireland											376							
Ireland	1%	5	45%	1	9%	2090	288	392	398	636								
Uzbekistan	100%	11	100%	7	64%	1323	46	82	348	560	261	6	10	2	3	0	5	
Serbia and Montenegro	100%	11	100%	1	9%	109	5	0	13	16	13	9	17	7	5	11	13	
European Region	22%	387	68%	278	49%	27966												
Country	% sub national labs	Nr reports	Completeness	Nr timely reports	Timeliness	Total new cases	1	2	3	4	5	6	7	8	9	10	11	12
Nr Reports							36	36	35	36	36	35	35	35	35	34	34	
Completeness							69%	69%	67%	69%	69%	67%	67%	67%	67%	65%	65%	
Nr timely reports							21	22	25	24	28	28	21	22	29	29	29	
Timeliness							40%	42%	48%	46%	54%	54%	40%	42%	56%	56%	56%	
Total new cases							2004	2519	3195	3689	2983	2869	2004	1708	1728	1696	3571	
Data source: reports submitted to the vaccine preventable diseases and immunization unit of the Regional Office for Europe of WHO																		
Blue cells represent timely notification (before 25th of the following month)																		

Numbers for each month represent the number of patients with at least one specimen sent to the laboratory

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe  
Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

# MEASLES EPI DATA:

## Timeliness and completeness of epi reporting and annualized incidence of suspected measles and rubella in the European Region as of 11 January 2006

Country	CB	% districts	Completeness	Timeliness	2004		2005		Months of 2005													
					Cases	Incidence	Cases	Incidence	1	2	3	4	5	6	7	8	9	10	11	12		
Albania	Y	100%	100%	17%	8	0.2	6	0.2		0	0	0	0	0	0	4	1	0	0	0	1	
Andorra	Y		92%	42%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Armenia	N		17%	8%	1783	47	528	13.9	491		37											
Austria	N		92%	0%	16	0.2	6	0.1	1	1	1	2	1	0	0	0	0	0	0	0	0	
Azerbaijan	N		83%	0%	827	10	1200	14.5	122	168	192	318	248	107	23	12	4	6				
Belarus	N	100%	83%	58%	8	0.1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Belgium	Y	100%	92%	83%	61	0.6	26	0.3	7	4	4	1	3	2	2	0	1	1	1			
Bosnia and Herzegovina	N	100%	58%	0%	26	0.6	28	0.7	4		4	2	6		2	4	6					
Bulgaria	Y	112%	92%	67%	0	0	3	0	0	0	0	2	1	0	0	0	0	0	0	0	0	
Croatia	Y	100%	83%	42%	54	1.2	5	0.1		0	2	0	1	0	0	1	0	0	1	0	1	
Cyprus	Y	83%	100%	100%	0	0	1	0.1	0	0	0	0	0	1	0	0	0	0	0	0	0	
Czech Republic	Y	100%	92%	33%	17	0.2	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
Denmark	Y	100%	92%	83%	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
Estonia	Y	100%	100%	83%	0	0	8	0.6	2	1	0	2	1	1	0	0	1	0	0	0	0	
Finland	Y		100%	83%	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
France	N		0%	0%	4448	7.4																
Georgia	N		92%	58%	7033	136.4	1312	25.6	98	131	146	248	286	170	86	39	42	20	46			
Germany	N		92%	83%	125	0.2	772	0.9	76	68	107	110	131	165	61	13	11	13	17			
Greece	N		83%	25%	1	0	6	0.1	0	0	0	0	0	0	0	1	2	3				
Hungary	Y	100%	92%	75%	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
Iceland	Y		92%	42%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ireland	N	100%	100%	100%	330	8.4	96	2.4	8	8	15	7	10	10	10	9	6	8	5	0	0	
Israel	N	75%	67%	8%	187	2.9	1	0	0	1	0	0	0	0	0	0						
Italy	N		0%	0%	677	1.2																
Kazakhstan	N	100%	92%	33%	2204	13.8	16326	102.8	4025	4835	4104	1944	861	433	70	31	2	14	7			
Kyrgyzstan	N		50%	17%	8	0.2	49	0.9	8	9	13	16	3	0								
Latvia	Y	89%	83%	67%	0	0	2	0.1	0	0	1	1	0	0	0	0	0	0	0	0	0	
Lithuania	Y	82%	92%	83%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Luxembourg	N		92%	67%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Malta	N	100%	92%	67%	6	1.5	4	1	0	0	0	1	3	0	0	0	0	0	0	0	0	
Monaco	N		0%	0%																		
Netherlands*	Y	100%	83%	42%	5	0	4	0		0	0	0	0	0	1	1	1				1	
Norway	Y		92%	58%	7	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Poland	N	100%	92%	92%	11	0	10	0	1	3	2	0	0	2	0	1	0	1	0	0	0	
Portugal*	Y		92%	17%	1	0	6	0.1	0	0	0		0	0	6	0	0	0	0	0	0	
Republic of Moldova	N	100%	92%	33%	4	0.1	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
Romania	Y	97%	100%	83%	173	0.8	1252	5.7	73	138	97	97	105	103	107	120	114	176	122			
Russian Federation	N	100%	92%	92%	2470	1.7	475	0.3	46	30	86	72	61	46	81	16	9	16	12			
San Marino	N		0%	0%	0	0																
Slovakia	Y		92%	50%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slovenia	Y	100%	100%	75%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Spain	Y	100%	100%	92%	27	0.1	17	0	1	0	1	0	0	3	9	2	1	0	0	0	0	
Sweden	Y		92%	42%	5	0.1	12	0.1	1	0	0	0	3	4	4	0	0	0	0	0	0	
Switzerland	N		100%	33%	39	0.5	62	0.9	14	28	5	6	3	0	2	0	1	1	1	1	1	
Tajikistan	N	100%	75%	50%	4	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
The former Yugoslav Republic of Macedonia	N		58%	17%	9	0.4	5	0.2	0	1		0	1	1	1						1	
Turkey	N	100%	50%	8%	8927	12.7	5279	7.4	552	701	867	1446	1103	610								
Turkmenistan	N		58%	8%	1	0	0	0	0	0	0	0	0	0	0							
Ukraine	N		92%	83%	146	0.3	747	1.6	3	25	10	16	25	33	110	57	70	75	323			
United Kingdom of Great Britain and Northern Ireland	N		92%	50%	202	0.3	67	0.1	3	6	7	13	10	1	0	4	12	6	5			
Uzbekistan	N	100%	92%	75%	75	0.3	1540	5.8	17	38	24	411	582	139	118	92	64	43	12			
Serbia and Montenegro	N		92%	42%	11	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
European Region	22	99%	79%	47%	29938	<b>(3.4)</b> 3.4	29865	<b>(3.9)</b> 3.4														
Country	CB	% districts	Completeness	Timeliness	Cases	Incidence	Cases	Incidence	1	2	3	4	5	6	7	8	9	10	11	12		
Cases in the European Region by month									5554	6200	5725	4718	3449	1832	697	404	347	383	554	2		

CB: country reporting case based data

Data source: reports submitted to the Vaccine-preventable Diseases and Immunization programme of WHO Regional Office for Europe

Numbers for each month represent the suspected measles and rubella cases for that month

European Region incidence is calculated with all 52 Member States (bold) and with Member States who reported data (blue)

\*Some cases were linked to an importation

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## Description of suspected and confirmed measles cases in the European Region as of 11 January 2006

Area name	Doses				Median age (% of cases with unknown age)	% Lab conf.	% Hospitalised	No. deaths
	0 doses	1 dose	2+ doses	Unknown doses				
Albania	67%	17%	17%		0-1 (0%)		100%	
Andorra								
Armenia	16%	21%	21%	42%	15-19 (7%)	7%	7%	
Austria				100%	100%			
Azerbaijan	28%	39%	1%	32%	15-19 (0.1%)		6%	
Belarus		100%			30+ (0%)	100%	100%	
Belgium	50%	23%	4%	19%	0-1 (0%)	42%	15%	
Bosnia and Herzegovina				100%	100%			
Bulgaria	100%				15-19 (0%)	67%	67%	
Croatia			60%		5-9 (0%)	20%		
Cyprus					30+ (0%)	100%	100%	
Czech Republic					15-19 (0%)	100%		
Denmark	100%				15-19 (0%)	100%	50%	
Estonia	25%	38%			5-9 (0%)	50%	25%	
Finland	100%				30+ (0%)	100%		
France								
Georgia	33%	19%	4%	45%	10-14 (20%)	1%	19%	
Germany	85%	5%	3%	7%	5-9 (0%)	32%	12%	1
Greece	50%			50%	20-29 (0%)	100%	100%	
Hungary	50%			50%	10-14 (0%)	100%	100%	
Iceland								
Ireland	35%	15%	3%	47%	1-4 (3%)	9%	1%	
Israel				100%	30+ (0%)			
Italy								
Kazakhstan	15%	11%	24%	51%	20-29 (1%)	4%	50%	1
Kyrgyzstan	80%	14%	4%	2%	5-9 (0%)	100%	100%	
Latvia		50%			20-29 (0%)	100%	100%	
Lithuania								
Luxembourg								
Malta		100%			5-9 (50%)	25%		
Monaco								
Netherlands	75%				5-9 (0%)	75%	50%	
Norway								
Poland	10%	60%	30%		5-9 (0%)	10%		
Portugal	83%				1-4 (0%)	100%	67%	
Republic of Moldova		50%	50%		5-9 (0%)	50%	50%	
Romania	48%	24%	2%		1-4 (0%)	98%	96%	9
Russian Federation	21%	7%	12%	60%	20-29 (0%)	85%	74%	
San Marino								
Slovakia								
Slovenia								
Spain	88%	12%			1-4 (0%)	59%	18%	
Sweden	8%			92%	30+ (0%)	75%		
Switzerland	65%	11%		24%	10-14 (0%)	68%	11%	
Tajikistan								
The former Yugoslav Republic of Macedonia	40%	60%			1-4 (0%)		40%	
Turkey	17%	44%	14%	25%	5-9 (0%)			
Turkmenistan								
Ukraine	17%	20%	42%	21%	15-19 (0%)	73%	77%	
United Kingdom of Great Britain and Northern Ireland	93%	4%		3%	1-4 (0%)	96%	27%	
Uzbekistan	15%	20%	8%	56%	15-19 (0%)	22%	66%	
Serbia and Montenegro								
European Region	20%	20%	18%	41%	20-29 (2%)	12%	40%	11
Area name	0 doses	1 dose	2+ doses	Unknown doses	Median age (% of cases with unknown age)	% Lab conf.	% Hospitalised	No. deaths

Blank cells correspond to a zero report or no report

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.