

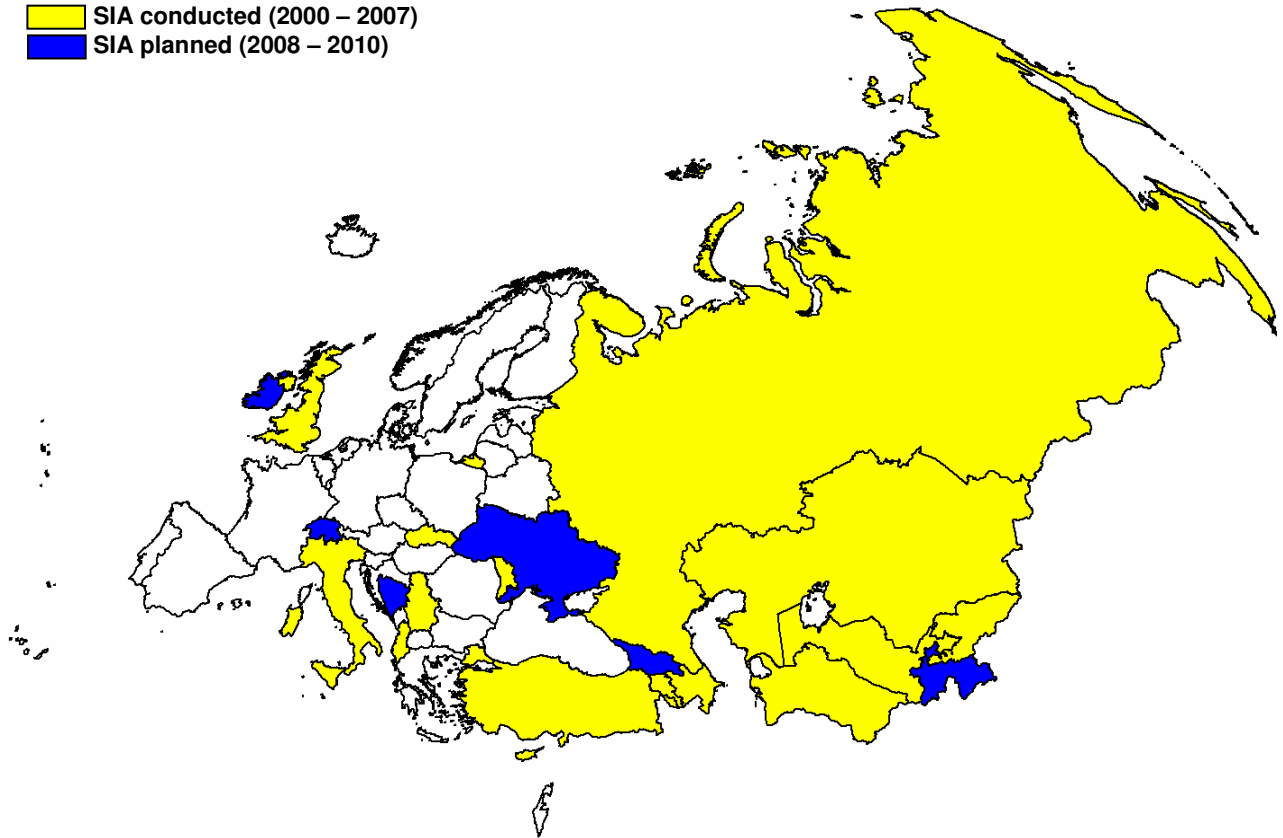


Measles and rubella supplementary immunization activities WHO European Region, 2000-2010

 SIA conducted (2000 – 2007)
 SIA planned (2008 – 2010)



From 2000 to date, over 41 million children, adolescents, and young adults have received a supplementary dose of a measles-containing vaccine in the WHO European Region*. Supplemental immunization activities (SIAs) are one of the main strategies used in the goal to eliminate measles and rubella in the WHO European Region by 2010. SIAs are conducted targeting birth cohorts and high-risk groups, regardless of disease history or previous vaccination status. The aim is to immunize a large population over a short period of time to rapidly reduce the proportion of susceptible people, interrupt disease transmission, and in the context of high routine immunization coverage, eliminate indigenous measles and rubella transmission.

Results have shown that the SIAs have been effective in interrupting measles and rubella transmission, where conducted, and that the vaccine safety profile has been excellent. No severe adverse events or deaths due to the vaccines used have been reported to the Ministries of Health in the countries. Critical elements of a successful SIA include timely microplanning and logistics, and appropriate communication to health professionals, the general public, and the mass media.

Georgia, Bosnia and Herzegovina, Ireland, Switzerland, Tajikistan, and the Ukraine are currently planning to conduct SIAs before 2010.

* Data on number of individuals immunized in the Russian Federation and Italy have not yet been reported to WHO EURO.

Table 1: Classification of suspected measles and rubella cases, Jan-Apr, 2008

Country	Measles								Rubella							
	Total suspected	Total measles (%)	Classification				Monthly Reporting		Total suspected	Total Rubella (%)	Classification				Monthly Reporting	
			Lab confirmed	Epi-Link	Clinical ¹	Discarded	% Completeness	% Timeliness			Lab confirmed	Epi-Link	Clinical ¹	Discarded	% Completeness	% Timeliness
Albania	0	0	0	0	0	0	100%	100%	0	0	0	0	0	0	100%	50%
Andorra	0	0	0	0	0	0	100%	100%	0	0	0	0	0	0	100%	100%
Armenia	0	0	0	0	0	0	100%	50%	2	2 (100%)	0	0	2	0	100%	50%
Austria ³	52	52 (100.0)	25	3	24	0	75%	25%	-	-	-	-	-	-	0%	0%
Azerbaijan	1	1 (100.0)	0	0	1	0	100%	100%	0	0	0	0	0	0	100%	100%
Belarus	0	0	0	0	0	0	75%	75%	1	1 (100%)	1	0	0	0	75%	75%
Belgium	60	59 (98.0)	22	33	4	1	75%	25%	-	-	-	-	-	-	0%	0%
Bosnia and Herzegovina	No Report	-	-	-	-	-	0%	0%	-	-	-	-	-	-	0%	0%
Bulgaria	0	0	0	0	0	0	100%	50%	-	-	-	-	-	-	0%	0%
Croatia	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
Cyprus	0	0	0	0	0	0	100%	75%	0	0	0	0	0	0	100%	100%
Czech Republic	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
Denmark ³	6	6 (100.0)	6	0	0	0	100%	50%	9	9 (100%)	0	0	9	0	25%	0%
Estonia	0	0	0	0	0	0	75%	50%	0	0	0	0	0	0	25%	25%
Finland	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
France ³	64	59 (92.0)	47	1	11	5	75%	25%	-	-	-	-	-	-	0%	0%
Georgia	17	17 (100.0)	1	0	16	0	100%	100%	58	58 (100%)	6	0	52	0	100%	100%
Germany ³	211	211 (100.0)	104	83	24	0	75%	25%	-	-	-	-	-	-	0%	0%
Greece	0	0	0	0	0	0	100%	50%	-	-	-	-	-	-	0%	0%
Hungary	0	0	0	0	0	0	100%	50%	-	-	-	-	-	-	0%	0%
Iceland	0	0	0	0	0	0	75%	25%	-	-	-	-	-	-	0%	0%
Ireland	15	15 (100.0)	0	0	15	0	50%	25%	13	13 (100%)	1	1	11	0	100%	100%
Israel	595	595 (100.0)	69	0	526	0	75%	0%	0	0	0	0	0	0	0%	0%
Italy	0	0	0	0	0	0	50%	25%	-	-	-	-	-	-	0%	0%
Kazakhstan	10	10 (100.0)	5	5	0	0	100%	25%	2464	2464 (100%)	695	1108	661	0	100%	25%
Kyrgyzstan	6	1 (17.0)	1	0	0	5	100%	75%	-	-	-	-	-	-	0%	0%
Latvia	0	0	0	0	0	0	100%	50%	3	3 (100%)	2	0	1	0	75%	75%
Lithuania	0	0	0	0	0	0	75%	50%	0	0	0	0	0	0	100%	100%
Luxembourg	0	0	0	0	0	0	75%	25%	-	-	-	-	-	-	0%	0%
Malta	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
Moldova	0	0	0	0	0	0	75%	50%	-	-	-	-	-	-	0%	0%
Monaco	No Report	-	-	-	-	-	0%	0%	-	-	-	-	-	-	0%	0%
Montenegro	0	0	0	0	0	0	100%	50%	0	0	0	0	0	0	100%	50%
Netherlands ³	2	2 (100.0)	2	0	0	0	25%	0%	-	-	-	-	-	-	0%	0%
Norway	0	0	0	0	0	0	75%	50%	-	-	-	-	-	-	0%	0%
Poland	44	10 (23.0)	1	0	9	34	100%	25%	-	-	-	-	-	-	0%	0%
Portugal	0	0	0	0	0	0	100%	0%	-	-	-	-	-	-	0%	0%
Romania ³	237	12 (5.0)	12	0	0	224	100%	0%	-	-	-	-	-	-	0%	0%
Russian Federation	7	7 (100.0)	7	0	0	0	100%	100%	-	-	-	-	-	-	0%	0%
San Marino	No Report	-	-	-	-	-	0%	0%	-	-	-	-	-	-	0%	0%
Serbia	0	0	0	0	0	0	100%	50%	-	-	-	-	-	-	0%	0%
Slovakia	2	1 (50.0)	1	0	0	1	100%	75%	1	1 (100%)	0	0	1	0	100%	25%
Slovenia	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
Spain ³	54	54 (100.0)	44	5	5	0	50%	25%	-	-	-	-	-	-	0%	0%
Sweden ³	12	12 (100.0)	10	1	1	0	75%	25%	-	-	-	-	-	-	0%	0%
Switzerland ³	1657	1537 (93.0)	573	88	876	120	50%	0%	-	-	-	-	-	-	0%	0%
Tajikistan	0	0	0	0	0	0	75%	25%	16	16 (100%)	0	0	16	0	75%	25%
The former Yugoslav Republic of Macedonia	5	5 (100.0)	0	0	5	0	100%	100%	1	1 (100%)	0	0	1	0	50%	25%
Turkey	No Report	-	-	-	-	-	0%	0%	-	-	-	-	-	-	0%	0%
Turkmenistan	0	0	0	0	0	0	100%	75%	-	-	-	-	-	-	0%	0%
Ukraine	29	29 (100.0)	4	0	25	0	100%	100%	0	0	0	0	0	0	25%	25%
United Kingdom ³	211	211 (100.0)	209	2	0	0	75%	25%	-	-	-	-	-	-	0%	0%
Uzbekistan	2	2 (100.0)	1	0	1	0	100%	100%	14	14 (100%)	8	0	6	0	100%	75%
Total/Averages	3299	2908 (88.0)	1144	221	1543	390	80%	47%	2582	2582 (100.0)	713	1109	760	0	29%	21%

Data source: Monthly aggregate and case-based data reported by Member States to WHO/Europe and/or EUVAC.NET.

¹ Cases with missing classification are classified as "Clinical"

² Import related lab confirmed measles cases included in total cases: No case

³ Importation of measles cases (included in total cases): Austria=2; Denmark=2; France=5; Germany =24; Netherlands=2; Romania = 4 (including 2 import related cases); Spain=1, Sweden=6; Switzerland=9, UK=1

Table 2: Measles and rubella laboratory test results, Jan-Apr, 2008

Country	Specimen* (Serum, Oral Fluid, Swab, Urine and other)									Reporting	
	Collected	Tested for measles	Positive for measles (%)	Measles Equivocal	Negative for measles	Tested for rubella	Positive for rubella (%)	Rubella Equivocal	Negative for rubella	% Completeness	% Timeliness
Albania	0	5	2 (40.0)	0	3	0	0	0	0	100.0	75.0
Andorra	No Lab										
Armenia	15	15	1 (7.0)	0	13	15	0 (0.0)	3	11	100.0	25.0
Austria	0	663	67 (10.0)	7	589	1867	1 (0.0)	0	1866	100.0	100.0
Azerbaijan	8	4	0 (0.0)	0	4	5	0 (0.0)	0	5	75.0	25.0
Belarus	57	50	0 (0.0)	0	50	55	1 (2.0)	0	54	100.0	75.0
Belgium	96	95	35 (37.0)	4	52	26	1 (4.0)	0	21	100.0	100.0
Bosnia and Herzegovina	No Report										
Bulgaria	21	21	0 (0.0)	0	21	21	0 (0.0)	0	21	100.0	75.0
Croatia	0	0	0	0	0	0	0	0	0	75.0	50.0
Cyprus	0	0	0	0	0	0	0	0	0	75.0	75.0
Czech Republic	15	11	2 (18.0)	2	7	14	0 (0.0)	0	14	100.0	100.0
Denmark	No Report										
Estonia	258	72	1 (1.0)	0	70	237	4 (2.0)	0	232	100.0	100.0
Finland	134	22	0 (0.0)	0	22	112	0 (0.0)	0	112	50.0	50.0
France	No Report										
Georgia	No Report										
Germany	331	330	176 (53.0)	4	150	3	1 (33.0)	2	0	100.0	25.0
Greece	No Report										
Hungary	503	22	0 (0.0)	0	22	33	0 (0.0)	0	33	100.0	100.0
Iceland	No Report									0.0	0.0
Ireland	622	103	7 (7.0)	1	95	532	0 (0.0)	0	532	100.0	75.0
Israel	860	383	158 (41.0)	0	225	217	46 (21.0)	0	171	100.0	100.0
Italy	No Report										
Kazakhstan	214	88	7 (8.0)	1	66	194	80 (41.0)	8	70	100.0	75.0
Kyrgyzstan	63	63	6 (10.0)	3	54	63	2 (3.0)	3	58	100.0	50.0
Latvia	75	59	0 (0.0)	0	59	73	0 (0.0)	0	73	100.0	100.0
Lithuania	3	4	1 (25.0)	0	2	3	0 (0.0)	0	3	100.0	100.0
Luxembourg	78	34	0 (0.0)	0	34	44	7 (16.0)	9	28	100.0	100.0
Malta	No Report										
Moldova	16	16	0 (0.0)	0	16	16	0 (0.0)	0	16	100.0	75.0
Monaco	No Lab										
Montenegro	No Lab										
Netherlands	17	9	5 (56.0)	0	4	9	0 (0.0)	0	9	50.0	0.0
Norway	52	46	4 (9.0)	0	42	13	2 (15.0)	0	11	100.0	100.0
Poland	40	40	1 (3.0)	1	38	40	14 (35.0)	1	25	100.0	75.0
Portugal	18	1	0 (0.0)	0	1	0	0	0	0	100.0	100.0
Romania	146	121	7 (6.0)	1	113	139	2 (1.0)	1	136	75.0	75.0
Russian Federation	1138	1110	14 (1.0)	8	1070	683	115 (17.0)	9	509	100.0	100.0
San Marino	No Lab										
Serbia	18	0	0	0	0	18	0 (0.0)	0	18	50.0	25.0
Slovakia	12	13	1 (8.0)	0	12	0	0	0	0	100.0	75.0
Slovenia	114	23	0 (0.0)	0	23	91	19 (21.0)	0	72	100.0	100.0
Spain	252	331	135 (41.0)	7	182	161	26 (16.0)	0	135	75.0	50.0
Sweden	No Report										
Switzerland	No Lab										
Tajikistan	3	2	0 (0.0)	0	2	3	1 (33.0)	0	2	100.0	50.0
The former Yugoslav Republic of Macedonia	No Report										
Turkey	No Report										
Turkmenistan	46	46	0 (0.0)	0	41	46	0 (0.0)	0	41	100.0	100.0
Ukraine	215	203	6 (3.0)	1	196	214	12 (6.0)	0	202	100.0	100.0
United Kingdom	1953	1354	365 (27.0)	39	950	330	7 (2.0)	19	304	75.0	25.0
Uzbekistan	22	17	1 (6.0)	0	16	22	17 (77.0)	1	4	100.0	75.0
Total / Average	7415	5376	1002 (19%)	79	4244	5299	358 (7%)	56	4788	64.0	50.0

*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.

ALL Issues of monthly MR surveillance newsletter can be accessed at:
http://www.euro.who.int/vaccine/publications/20080401_1

Website: <http://www.euro.who.int/vaccine>
 CISID: <http://data.euro.who.int/cisid>; email: measles@euro.who.int