

Report from the ProVacMed network

Introduction to the working session

Rome, 16-17 June 2016

Cristina Giambi
CNESPS, Istituto Superiore di Sanità



Survey on immunization strategies and vaccine coverage in the Mediterranean Basin and Black Sea

Objectives

- To collect information on immunization strategies, including variability at subnational level
- To collect vaccination coverage data at national and sub-national level and in risk groups

in the Mediterranean basin and Black Sea countries

Methods

- Electronic survey on immunization strategies and coverage
- Participating countries: non-EU countries of the Mediterranean Basin and Black Sea
- Experts working in the field of vaccination

Collected information

Immunization strategies and coverage for:

- Polio
- Diphtheria, Tetanus
- Measles, Rubella
- Hepatitis B

Immunization strategies

- Existence of a recommendation and year of introduction
- Difference among sub-national territories (in terms of strategies and schedules)
- Doses and schedule
- Type of vaccine
- Payment scheme

by

- Age groups (children, adolescents, adults)
- Risk groups

Vaccination coverage

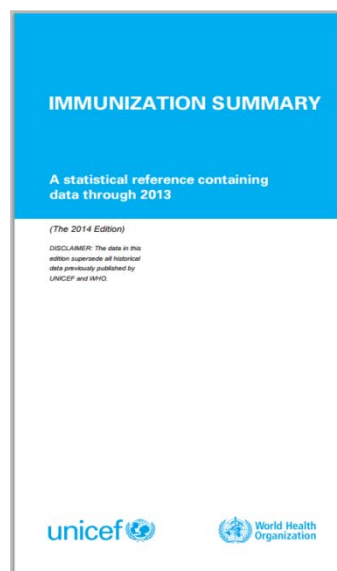
- Existence of a mechanism to monitor coverage
- Estimated vaccination coverage (%)
- Year
- Numerator and denominator
- Method of assessment (details)
- Frequency of data collection

By

- Age groups
- Risk groups

Strategies in children

The questionnaire sent to countries was prefilled with data published on the WHO website (collected through the WHO/UNICEF JRF on yearly basis)



Italy

2013

Births.....	560,000
Surviving infants.....	558,000
Total population.....	60,990,000
Infant mortality rate (per 1,000 live births).....	3
Under-five mortality rate (per 1,000 live births).....	4
Gross national income per capita (PPP, US\$).....	34,400
Percentage of routine EPI vaccines financed by government.....	...
Home-based vaccination records (percent).....	...

National coverage rates (%) (WHO/UNICEF estimates, 2013)

	2013	2012	2011	2010	2009	2008	2007	2006	2005	2000	1995	1990	1980
BCG	...	...	...	...	...	...	...	...	...	...	...	0	0
DTP1	99	99	98	98	98	98	99	98	98	95	98	94	0
DTP3	97	97	96	96	96	96	97	96	95	87	95	83	0
HepBB	0	0	0	0	0	0	0	0	0	0	0	0	0
HepB3	97	97	...	...	...	...	...	...	...	...	...	...	...
Hib3	96	96	...	...	...	...	...	...	...	...	...	...	...
rota (last)	0	0	...	...	...	...	...	...	...	...	...	...	...
PcV3	55	55	...	...	...	...	...	...	...	...	...	...	...
Pol3	97	97	...	...	...	...	...	...	...	...	...	...	...
MCV1	90	90	...	...	...	...	...	...	...	...	...	...	...
MCV2	0	0	...	...	...	...	...	...	...	...	...	...	...
PAB	...	...	...	...	...	...	...	...	...	...	...	...	...

National coverage data

District coverage (as reported)

	2013	2012
Number of districts in country	...	21
Percentage of districts reporting
DPT3: proportion of districts with coverage (%)	...	0
below 50%	...	0
Between 50-79%	...	0
at 80% or above	...	67
MCV1: proportion of districts with coverage at 95% or above (%)	...	0
DTP1-DTP3 drop-out rate: proportion of districts that have achieved a rate of less than 10% (%)

Immunization schedule

	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaP	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaPHepIPV	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaPHib	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaPHibHepIPV	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaPHibIPV	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
DTaPIPV	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
HepB	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
Hib	3, 5-6, 11-13 months; 5-6, 11-13 years	Influenza	>= 65 years
HPV	12 years; +1-2, +4-6 years	Influenza	>= 65 years

Schedule

Doses

Type of vaccine

ProVacMed focus on

- Strategies and coverage in adolescents, adults, risk groups
- Immunization coverage at sub-national level
- Supplementary Immunization Activities
- Immunization policies targeting newly arrived migrants

Report from ProVacMed Network

1. Overview with aggregated data
2. Country profiles with information on immunization strategies and coverage maps (19/21 countries contacted; 15/19 replied)
3. Focus on immunization strategies targeting newly arrived migrants

The added value of the Report

- A product of the ProVacMed Network of the Mediterranean basin and Black Sea countries
- Creation and consolidation of a regional network of experts in the field of vaccination
- Sharing experience and expertise on vaccination
- Information on strategies and coverage in adolescents, adults and sub-national coverage overview

Working session: data validation

- **Validate** data reported in your country profile
- **Clarify** the items highlighted in yellow
- **Add** to the immunization schedule the other vaccines included in the NIP of your country, if feasible
- **Provide** a summary for immunization policies in migrants
- **Any suggestion** to improve the report is welcome!

Immunization schedule

COUNTRY

The National Immunization Plan includes children, adolescents, adults and risk groups.

This country sheet only focusses on the vaccinations for the following selected diseases: poliomyelitis, diphtheria, tetanus, hepatitis B, measles and rubella.

These vaccines are recommended and free-of-charge offered at the national level, according to the following schedules:

	Birth	Weeks			Months		Years					
		6	12	18	12	18	6	15-16	26-30	36-40	46-50	56-60
Poliomyelitis		tOPV	tOPV	tOPV		tOPV	tOPV					
Diphtheria		comb DT	comb DT	comb DT		comb DT	Td	Td	Td*	Td*	Td*	Td*
Tetanus		comb DT	comb DT	comb DT		comb DT	Td	Td	Td*	Td*	Td*	Td*
Hepatitis B	HepB	comb HepB	comb HepB	comb HepB		comb HepB						
Measles					MMR		MMR					
Rubella					MMR		MMR					
*every ten years												

Please add to the table above the other vaccines included in the NIP (inside the cell you find the type of vaccine)

5

Add to the table the other vaccines included in the NIP of your country, if feasible

Indications for unimmunized individuals and risk groups

CATCH UP AND SUPPLEMENTARY IMMUNIZATION ACTIVITIES

Poliomyelitis vaccination is offered to all unimmunized adolescents and adults (1 dose to adolescents that have completed the primary series and one dose to adults?).

Two doses of dT vaccine are offered to all unimmunized adolescents and adults

One dose of MMR vaccine is offered to all unimmunized adolescents and adults.

In the period March-September 2014, within a supplementary immunization campaign organized at the national level and implemented at sub-national level, MMR and OPV vaccines were offered to children under 5 years old at the public vaccination services, achieving a coverage of 90%. Coverage data from SIAs are not merged in the routine assessment of vaccination coverage.

RECOMMENDATIONS TO RISK GROUPS

Poliomyelitis vaccination

One bOPV dose is offered to international travelers.

Poliomyelitis vaccine is offered to newly arrived migrants, with priority to children 5 < years.

Tetanus-diphtheria vaccination

One dose of DT vaccine is offered to international travelers.

MMR vaccination

MMR vaccine is offered to newly arrived migrants, with priority to children 5 < years.

Hepatitis B

Three doses of hepatitis B vaccine (0-1-2 months) are offered to: Injection-drug users, Healthcare workers, Laboratory staff exposed to blood, Individuals receiving regular blood or blood products, Hemodialysis

National coverage data

NATIONAL VACCINATION COVERAGE DATA

Vaccination	Year	Vaccination coverage (%)	Numerator	Denominator	Method of assessment	Frequency of assessment
Poliomyelitis (children)	2015	94	Number of children at 12 months with 3 doses	children at 12 months	Monthly and annual report from municipalities	Monthly
Poliomyelitis (adolescents)	2015	95			Monthly and annual report from municipalities	Monthly
Diphtheria-Tetanus (children)	2015	94	Number of children at 12 months with 3 doses	children at 12 months	Monthly and annual report from municipalities	Monthly
Diphtheria-Tetanus (adolescents)	2015	95			Monthly and annual report from municipalities	Monthly
Hepatitis B	2015	94	Number of children at 12 months with 3 doses	children at 12 months	Monthly and annual report from municipalities	Monthly
MMR - 1 dose	2015	95	Number of children at 12 months with 1 dose	children at 12 months	Routine reports system	Monthly
MMR - 2 doses	2015	92	Number of children at 6 years with 2 doses	children at 6 years	Routine reports system	Monthly

Routine report system and report from municipalities are two Different method of assessment or is it the same?

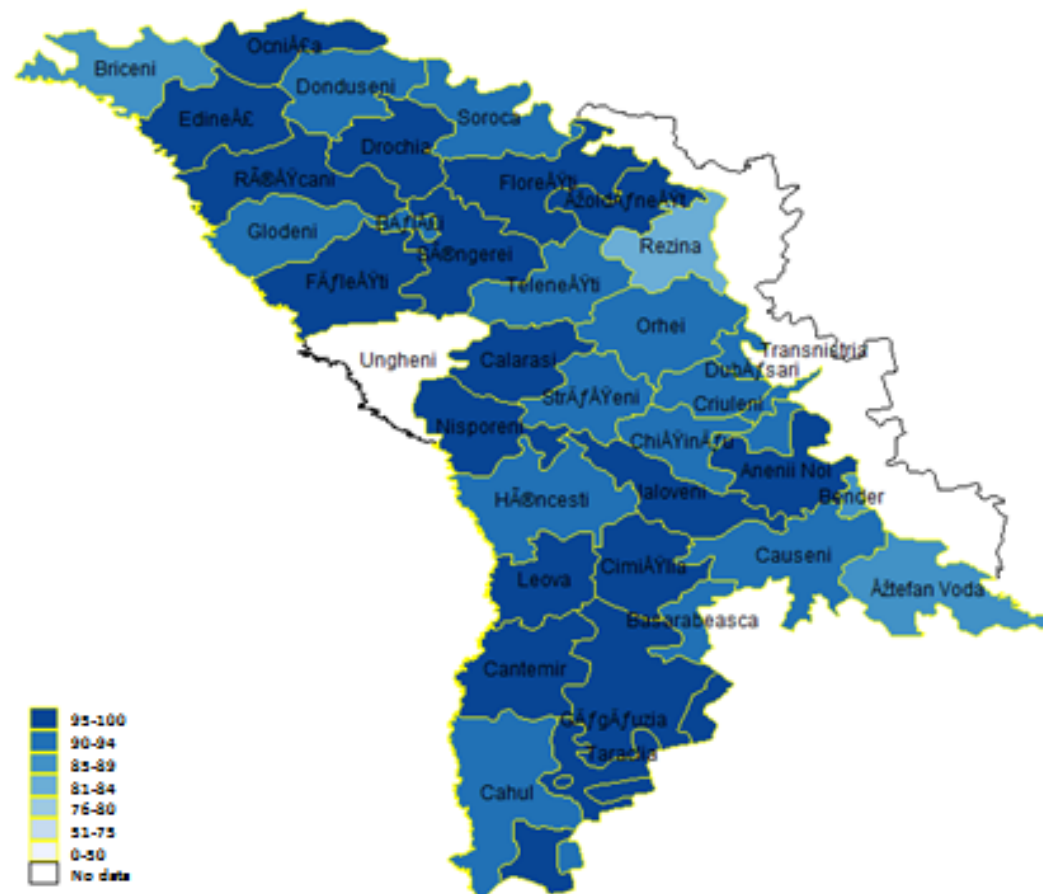
Validate and complete numerator and denominator

Vaccination coverage for 3 doses of poliomyelitis containing vaccine at 12 months?? in minorities 90%, 2015. Routine report system, monthly assessment Please give details on the population and how coverage is assessed (numerators and denominator)

Sub-national coverage data

POLIOMYELITIS

Vaccination coverage for 3 doses by 24 months, 2015



Timetable

- **June – July 2016:** data validation from countries and collection of additional information, including summary for immunization policies in migrants
- **August 2016:** finalization of the technical report
- **Sept - Dec 2016:** proposal for report publication

Provide approval for publication, if not given

Communicate the names and affiliation to be included in the ProVacMed Working Group

Working groups and facilitators

Cristina:

- Nabil Sabri
- Anatolie Melnic

Silvia:

- Noa Cedar
- Olga Lugach

Flavia:

- Karima Meziani

Martina:

- Marine Kirakosyan
- Tamar Dolakidze

Christian:

- Arijana Kalaveshi,
Luljeta Gashi
- Erida Nelaj



ISS contact for report validation: cristina.giambi@iss.it