Promotion of Immunizations for Health Professionals in Europe

HProlmmune Project Overview

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Project Specifics

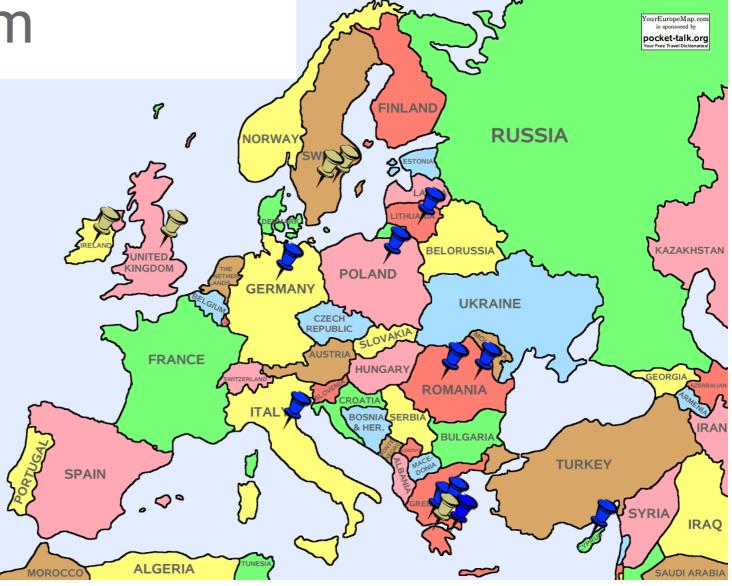
- Consumer, Health and Food Executive Agency (CHAFEA) (former EAHC)
 - Priority area: 3.2.1 Improve citizens' health security -Protect citizens against health threats
 - Action: 3.2.1.1 Develop prevention and control of existing or emerging Communicable diseases
 - Sub-action: Training on specific diseases and issues related to vaccination
- Grant agreement number: 2010 11 02
 - Start 01/09/2011- End 31/08/2014
- Total cost: 1.034.814,50 euro



The HProlmmune Consortium

Associate Partners

Advisory Board





HProImmune General Objective

To promote vaccination coverage of Health Care Workers (HCWs) in different health care settings by developing a tailored Immunization Toolkit



Specific Objectives-I

#	Title of Objective
1.	Increase awareness about the most important vaccine preventable diseases posing a risk to EU HCW Focus on a short list of <10 vaccine preventable agents
2.	Increase awareness about immunizations among HCW > Searchable user-friendly database with vaccination specific information (e.g. policies legislation, recommendations, vaccination coverage, incident of particular diseases)
3.	Provide new knowledge about vaccination behaviors & barriers among HCWs > Conduct focus groups in partner countries & survey in rest of EU



Specific Objectives-II

#	Title of Objective						
4.	Record & evaluate best practices for the immunization of HCW						
	Apply a scoring system in different health care settings - in particular experience with pandemic (H1N1) 2009						
5.	Provide new knowledge on how to communicate & promote immunizations among HCWs by piloting a purpose & tailor made Immunization Toolkit						
	Target both individual health professionals & public health/ hospital administrators, including the database, recommendations, fact sheets, presentations, organization & communication guidelines						
6.	Increase awareness & promote HCWs immunizations						
	Pilot test and assess effectiveness of the Toolkit in hospitals/ private practitioners (7-month period)						



Target Groups

All health professionals including nursing & auxiliary personnel that come into direct contact with patients addressed in 2 levels:

- 1a. Individual physicians & their assistants or nurses, mainly in primary care.
- 1b. HCWs in the hospital setting (doctors, nurses, auxiliary personnel, laboratory technicians, pharmacy personnel)
- 2. Public health professionals & health care administrators, responsible for organizing large scale immunization campaigns for HCW



Description of Work

WP1

Coordination

WP2

Dissemination

WP3

Evaluation

Overview of EU Health Professionals Immunization Status

Health
Professionals'
Behaviours
& Barriers
towards
Immunization

Best Practices for Immunization among HCW in the EU

Development and piloting of HProImmune **Toolkit**



Work Package 4-I

Overview of EU Health Professionals Immunization Status (M1-9)

Leader: ISS, Italy

Description:

- i) Agree on a **list of infectious agents of interest** for health care setting &
- ii) provide an **overview of the situation** regarding legislation, existing interventions & campaigns, risk perception & incidence of disease among HCW



Work Package 4-II

- Modified Delphi approach
- Criteria:
- ✓ Present burden of disease
- ✓ Epidemic potential
- ✓ Vaccination coverage data
- ✓ Health promotion activities
- ✓ Social and economic impact

 List of 5 vaccines of particular concern for HCWs:

- Hepatitis B
- Influenza
- MMR
- Td/Tdap
- Varicella
- Tuberculosis



Work Package 4-III

- Literature review (after 2000) and communication with contacts in all MS
- 365 documents
 - 71 legal framework
 - 62 official guidance/recommendations documents
 - 20 vaccination coverage data reports
 - 212 peer-reviewed articles
- Searchable database www.hproimmune.eu

Vaccination coverage of HCWs in EU countries

Country Vaccine	Greece	France	Italy	Belgium	Switze rland	Czech Rep	Slovakia	Romania	UK
Seasonal influenza	5,5%* (2014) 17% (2009)	28% (2011)							53.1%** (2014) 45.6% (2013)
Hep B		87% (2011)	83% (2004)	84.9% (2004)	40% (2006)	100% (2007)	88% (2007)	75% (2008)	
MMR		50% (2011)							

* Source: Hellenic CDC

** Source: NHS Flufighters

(Year of most recent report)



Work Package 5

Behaviours & Barriers of Health Professionals towards Immunization (M7-17)

Leader: Hellenic Nurses Association (HNA), Greece

Description:

Explore & identify the existing risk perception of HCWs, behaviors towards vaccination & barriers to the immunization of HCWs in the EU through

- focus groups &
- on-line survey



Results from the Focus Groups-I

- Aim:
 - qualitative research to identify barriers and enablers towards immunization in European HCWs in the 7 countries of the consortium
- 47 focus groups
 - 273 HCWs in 7 counties;
- Convenience sample
- Spring 2012



Results from the Focus Groups- II

Barriers

- Dominant behavioral barriers
 - Lack of knowledge and evidence based information
 - "not a personal responsibility"; rather of "the system"
- Dominant Organizational barriers
 - Busy, cost, "voluntary", different schedules
 - No hospital epidemiologist

Enablers

- Attitudinal/Organizational
 - Perceived benefits on a personal level (incl. immediate family)
 - Past experience with a VPD
 - Educational material
 - Personal reminders
- Key Persons
 - Hospital occupational physician
 - Infection control team organizing vaccination



Work Package 6

Best Practices for Immunization among HCWs in the EU (M16-24)

Leader: CUT/CII, Cyprus

Description:

- Use an evaluation tool to assess the effectiveness of European policies, health education programmes, intervention & communication campaigns +
- EU workshop on best practices



Results of EU Workshop

Workshop on Best practices for immunization of HCWs (Athens 25-26/4/2013); 45 participants offered following recommendations:

- high quality up-to-date factual information on currently recommended vaccines
 - Fact sheets for Nursing/ allied HP
 - Fact sheets for physicians
- Case Studies
- Myth Busters
- Options for Managers
 - Invitations
 - Declination form
 - Template plan

- Guidance where to receive vaccinations
- List trusted sources
- Prototype stickers/ posters etc
 - Signs: "I am protected from ..."
- Approach through professional organizations
- Template for data collection on vaccination coverage



Best Practices-results

- Scoring tool to assess the effectiveness of European policies, health education programmes, intervention & communication campaigns
 - Comprehensive information & education on vaccines
 - Require signed declination
 - Hierarchy commitment
 - Easy access to vaccines; free of charge; incentives
 - Mandatory vs. voluntary vaccination
 - Annual vaccination campaign
 - Needs assessment and hospital plan



Thank you for your attention

Questions?

www.hproimmune.eu