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ASSET

share and move to face nasty bugs

The ASSET Final Event

October 30th & 31st 2017
NH Roma Leonardo Da Vinci

Best Practices for Promoting Health in the Population

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co-funded by the EU. GA: 612236





Presentation contents

- The importance of local communities for global infectious diseases
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The importance of local communities for global infectious diseases

Projected global
human population by
2050



9 billion at least

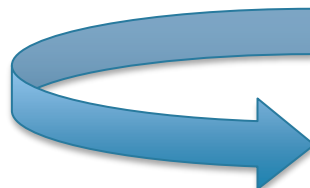
Gerland, P., Raftery, A. E., Ševčíková, H., Li, N., Gu, D., Spoorenberg, T., ... & Bay, G. (2014). World population stabilization unlikely this century. *Science*, 346(6206), 234-237.





The importance of local communities for global infectious diseases

- Population growth
- Globalization
- Climate change
- Urbanization



Reshaping our understanding of the global spread of infectious diseases





The importance of local communities for global infectious diseases

- It is expected that infectious diseases will continue to pose a threat over humanity
- Projections suggest that infectious diseases will still account for one of five deaths globally

Mathers CD, Loncar D. Projections of Global Mortality and Burden of Disease from 2002 to 2030. PLoS Med. 2006;3(11):e442.





The importance of local communities for global infectious diseases

- Local communities continue to play an important role in preventing infectious diseases
 - A core finding of the ASSET project





The ASSET Best Practice award

“Award individual GPs or groups of GPs who have best included Science in Society (SiS) aspects in order to improve the quality of communication with their patients and the active participation local community”.

Emphasis on the local communities, small scale practices and interventions





The ASSET Best Practice award

More specifically it will award health care professionals in the primary health sector (GPs or groups of GPs) who have implemented an activity or intervention:

- To improve the response of local communities or groups of people to deal with outbreaks of infectious diseases
- To promote immunizations for children or adults for the prevention of diseases such as influenza, measles, rubella, pertussis (whooping cough).





The ASSET Best Practice award

Each practice award was foreseen at 3,000 Euros as an educational grant:

- To attend a public health related European conference
- To attend the ASSET summer school of ASSET final event
- To spend 5-10 working days in one of the ASSET partner organizations
- Other educational activities related to public health preparedness





The ASSET Best Practice award – methodology

- Three (3) best practice award announcements were issued and widely disseminated through the ASSET website and the partner dissemination lists
- Nine (9) awards were given in 2015, 2016 & 2017





The ASSET Best Practice award – evaluation criteria

1. Relevance to the subject of the award
2. Scientific background of the intervention (scientific evidence used, validity and reference publications)
3. Impact of the activity (magnitude of approached population, outcome and results of intervention (quantifiable results, if any))
4. Implementation of the activity (methods, innovative techniques used to approach the public or incorporate SiS issues)
5. Sustainability and multiplier effects (duration of activity, plans for repeat or continuation, dissemination)





The ASSET Best Practice award – winners

1. A smartphone's application called MyPED

Dr Luigi Lubrano, Italy – Italian Federation of Pediatricians

- A smartphone application (MyPED) which provides a child's growth monitoring (height and weight) and reminders to medical appointments and vaccinations, as well as other important functions that are shown below.





The ASSET Best Practice award – winners

1. A smartphone's application called MyPED - cont., including:

- “My children” a section with a child's name and birth date weight and height data
- “Calendar”: appointments for medical examinations and vaccinations.
- “Around you”: information about the nearest pharmacies, hospitals and poison control centers.





The ASSET Best Practice award – winners

1. A smartphone's application called MyPED- cont.:

- Kid's world": tips on nutrition, infectious diseases and vaccines as well as tips about how parents should behave in most common situations (fever, vomiting, etc.).
- "Pregnancy": Information on nutrition during pregnancy and lactation.
- "Ask PED": possibility to ask specific questions & Frequently Asked Question (FAQ).
- "News": news and updates on important medical issues.
- "Who is PED": Information about the application.
- "Settings": Notification management





MyPED

Semplicemente per te.

Cerca in MyPed





The ASSET Best Practice award – winners

2. Promotion of immunization in Central Greece

Dr Dora Nakouti, MD- Internal Medicine and Infectious Diseases private practitioner- Karditsa, Thessaly- Greece

This private practicing physician in a rural area in central Greece implements initiatives to promote immunization among the local population





The ASSET Best Practice award – winners

2. Promotion of immunization in Central Greece, cont.

- Information regarding the importance of immunization and the appropriate vaccinations needed
- Leaflets and presentations to different age groups
- Pregnant women through the most popular local newspapers about the importance of immunization against seasonal flu, tetanus and whooping cough.





The ASSET Best Practice award – winners

2. Promotion of immunization in Central Greece- cont.

- Information about brucellosis and the importance of consuming pasteurized dairy products through speeches in rural areas.
- Information about malaria, the way it is transmitted and the methods of protection through the newspapers.
- As a consequence, almost all patients including the majority of pregnant women have already been informed and vaccinated against the seasonal flu and pneumococcus.
- Many local organizations in the local town have shown enthusiasm and are interested in informing people in order to protect public health, hence networks of cooperation have been established.





The ASSET Best Practice award – winners

3. Multidisciplinary intervention to enhance vaccination coverage in Central Macedonia

Dr. Magda Gavana, MDHealth Centre of Nea Michaniona, Central Macedonia, Greece

- Multidisciplinary intervention to enhance vaccination coverage in the Health Centre of Nea Michaniona's catchment area (population approx. 51,000) was designed with a three year perspective.





The ASSET Best Practice award – winners

3. **Multidisciplinary intervention to enhance vaccination coverage in Central Macedonia, cont.**

First phase: Targeted the health care personnel and patients of the local Health Centre as well as the personnel of the cleaning services of the municipality using personnel meetings, posters, leaflets and opportunistic pro vaccination advice during consultations.

Second phase: Meetings and promotional events scheduled with the local parents' associations and the open care centres for the elderly in order to inform them about the need to vaccinate and resolve any anti-vaccination issues. Vaccination services are scheduled to be upgraded with the additional help of the nursing staff.





The ASSET Best Practice award – winners

3. Multidisciplinary intervention to enhance vaccination coverage in Central Macedonia, cont.

Results:

- Influenza vaccinations in health care personnel accounted for 62.42% and 65.71% for 2015 and 2016 accordingly.
- In the catchment population aged 60+ the respective proportions were 11.80% and 12.13%, while pneumococcal vaccinations reached 4.63%.
- Municipality cleaning services workers were immunized against Hepatitis A to a proportion of 75.5%.
- Human Papilloma Virus (HPV) vaccinations were focused on the catch-up population aged 13-18 and it reached 5.11%.





The ASSET Best Practice award – winners

4. Working group on immunizations

Dr Dorica Sandutu, MD, Working Group on Immunizations,
National Society of General Practitioners, Romania

Activities of the Immunization Working Group of Romanian National Society of General Practitioners, comprising 11 GPs from different areas of the country, dedicated its activities in 3 main areas of interest.





The ASSET Best Practice award – winners

4. Working group on immunizations, cont.

- Up to date information regarding vaccination, delivered to fellow GPs – at national and local conferences
- Organizing workshops and debates at international conferences; to name a few - on Migrant child vaccines, pregnant women vaccines, or vaccine electronic records
- Actions designed to raise awareness, interactive seminars with patients, on a national scale, providing information about benefits, indications, real adverse reactions of vaccines, etc





The ASSET Best Practice award – winners

4. Working group on immunizations, cont.

- See activities in sites www.snmf.ro/en/WG.htm;
www.vaccinologie.ro;
www.edumedical.ro/category/vaccinare





The ASSET Best Practice award – winners

5. First national vaccination coverage survey of Greek Roma children

Dr. D. Papamichail, RN, PhD, National School of Public Health, Athens, Greece

Research on Roma health is fragmentary as major methodological obstacles often exist. Reliable estimates on vaccination coverage of Roma children at a national level and identification of risk factors for low coverage could play an instrumental role in developing evidence-based policies to promote vaccination in this marginalized population group.





The ASSET Best Practice award – winners

5. First national vaccination coverage survey of Greek Roma children, cont.

- The study showed inadequate vaccination coverage of Roma children in Greece, much lower than that of the non-minority child population.
- This serious public health challenge should be systematically addressed, or, amid continuing economic recession, the gap may widen.
- Valid national estimates on important characteristics of the Roma population can contribute to planning inclusion policies.





The ASSET Best Practice award – winners

6. Influenza vaccination promotion

Dr. Dikla Agur Cohen, family physician, Head of Yokneam "Emek Hashalom" primary care clinic, Clalit Health Services, Israel

1. Special invitation by telephone calls for high-risk groups - the elderly and children with chronic diseases
2. Vaccination of confined persons during home visits
3. Vaccination at doctors' offices during routine medical visits
4. Vaccination of clinic personnel with advertising photos of the staff being vaccinated as role models





The ASSET Best Practice award – winners

6. Influenza vaccination promotion- cont.

5. Creating awareness- publishing an article in the local newspapers about the influenza disease and the advantages of vaccination written by one of our physicians
6. Vaccination campaigns in designated days, when the clinic remains open till late evening for intensive vaccination operations.





The ASSET Best Practice award – winners

6. Influenza vaccination promotion- cont.

7. Vaccination of patients with chronic diseases who are invited to follow-up visits by the clinic nurses.
8. Influenza vaccination for all pregnant women as part of their routine follow-up in the mother and child healthcare unit ("Tipat Halav").





The ASSET Best Practice award – winners

7. Promotion of Immunizations in the framework of Occupational health

Dr. Theodora Christopoulou MD MSc, Occupational Physician
Manager OTE Telecommunications, Occupational Physician,
Athens, Greece

- The aim of this intervention is to raise awareness of the need for influenza vaccination in high risk groups. The target population is field technicians, shop employees who contact with the public as well as pregnant and employees with chronic diseases.





The ASSET Best Practice award – winners

7. Promotion of Immunizations in the framework of Occupational health, cont.

- Increase awareness of employees and their families, reduction of absenteeism from influenza.
- Reduce unnecessary usage of antibiotics and reduce transmission of influenza virus in the workplace.





The ASSET Best Practice award – winners

8. Influenza vaccination promotion

Patronatul Medicilor de Familie Bucuresti-Ilfov, Romania

- Following the health sector reform in Romania in 1999, which saw the introduction of national health insurance, primary care was privatized. Over 90% of GPs work in single-handed practices with just one GP and one nurse, even if more GPs share a building. This model of practice is inefficient and can not respond adequately to outbreaks of infectious diseases.





The ASSET Best Practice award – winners

8. Primary health Care to tackle infectious diseases- cont.

- In order to improve services, activities aim to change the model of practice in primary care in Romania. To achieve this activities to raise awareness among GPs and primary care nurses are implemented about different models of practice and also to promote change towards a new model of practice.
- The focus is on patient centered models, group practice and enhanced teams of primary care professionals.
- So far organized lectures, oral presentations and workshops at conferences have been organized.





The ASSET Best Practice award – winners

8. Primary health Care to tackle infectious diseases - cont.

- Activities are ongoing and thus far in the past 3 years approx. 3000 GPs and 100 nurses in Romania, meaning approx. 1/4 of total GPs have been reached. Initial reactions of rejection and disbelief that change is possible have morphed into curiosity and involvement.





The ASSET Best Practice award – winners

9. RespiRo

Romanian Primary Care Respiratory Group

- The management of patients with acute and chronic respiratory diseases is insufficient due to the lack of a systematic approach of these patients at primary care. The consequences are the non-rational use of antibiotics and high costs for the health system due to the amount of underdiagnosed and undertreated cases, most of the money being spent on the treatment of flare-ups.





The ASSET Best Practice award – winners

9. RespiRo

- Setting up, implement and disseminate a model of structured approach of acute and chronic respiratory diseases by developing guidelines, software, distance learning resources and training.

The results include

- Increase capacity of a range of primary healthcare professionals in treating acute and chronic respiratory diseases, using evidence based interventions;
- Improve the health outcomes of patients with respiratory diseases seen in PC.





The ASSET Best Practice award – use of funds

- Public health conferences
- ASSET summer school
- Publication of articles
- Training on health communication





Thank you for your attention

Questions

