

Jordan Field Epidemiology Training Program [J-FETP]

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Thailand GHSA Meeting

on 7-8 February 2017

Leader in regional and national public health capacity building

Mission of the FETP

Definition

FETPs are two year training programs in applied epidemiology modeled after the Centers for Disease Control and Prevention (CDC) Epidemic Intelligence Service (EIS)

Mission

The mission of the Jordan FETP is to increase epidemiologic capacity of the national public health workforce.

Objectives

The J-FETP carries out activities to:

improve reporting and surveillance systems



prepare the country for outbreak investigations



address trends in communicable and non-communicable diseases



History

Phase 1

- Jordan for Data for Decision Making- 1998-2001 (include Data for Decision Making [DDM] program & FETP) Focus-improve use of data at all levels of the Jordan MOH

Phase 2

- Jordan Surveillance Project 2001-2004. Include communicable and NCD surveillance.

Phase 3

- Jordan Applied Epidemiology Project (JAEP)- focus on surveillance systems (2004-2007)

Phase 4

- Jordan FETP (current) fully sustained by the Jordan Ministry of Health

Graduates

61 physicians graduated; **20** in training

64% of Jordan FETP graduates work at the central or governorate levels.

1 field epidemiologist per **200,000** people (IHR requirement)

10 of the **12** governorates have at least one FETP graduate working at government level

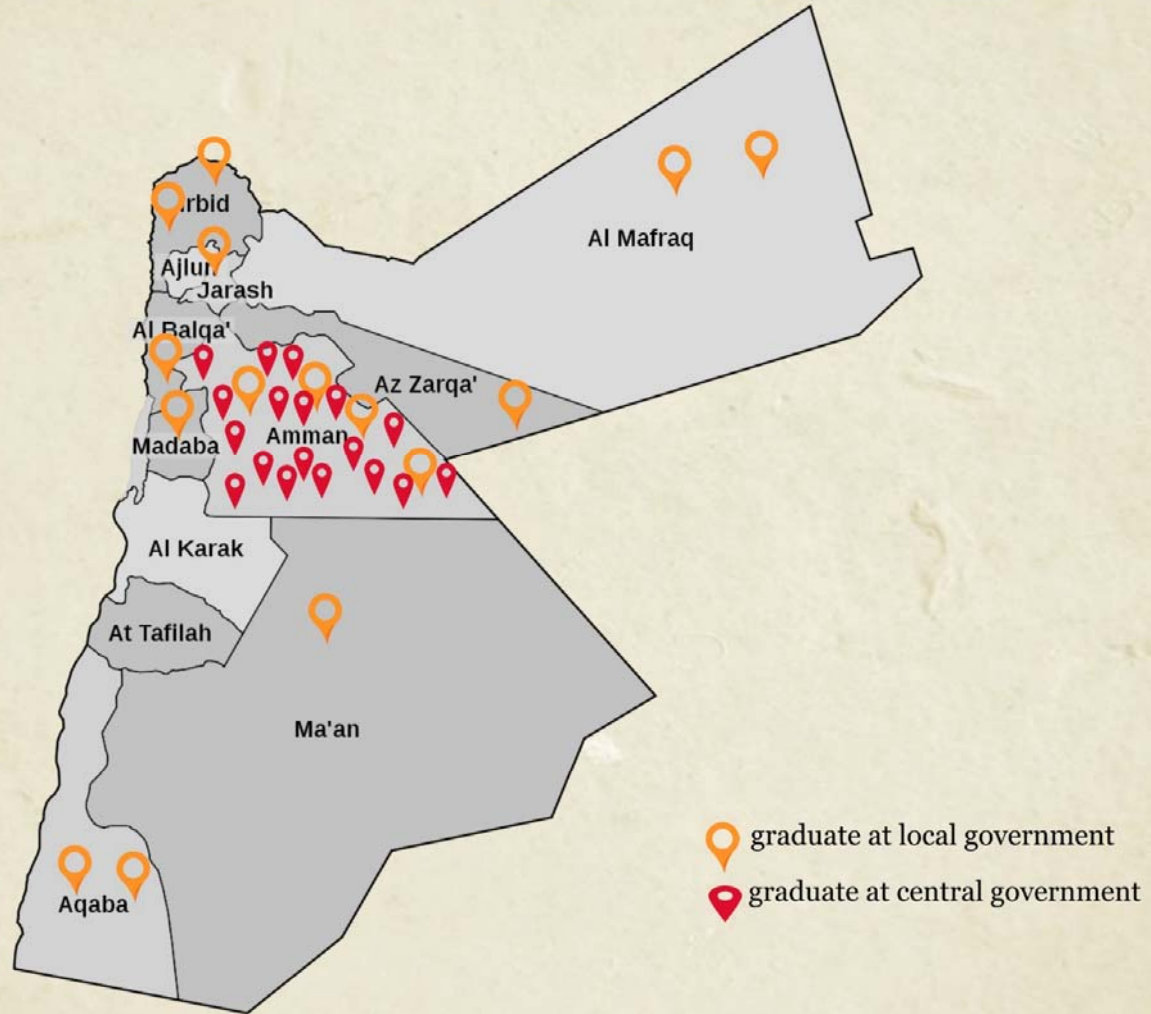


| | | |
|-------------------------------|-----------------------------|----------|
| Jordan Central Government(22) | Jordan local Government(17) | |
| EMRO Country Government (12) | EMRO expert (7) | INGO (5) |

J-FETP Graduated Epidemiologists Working in Jordanian Governorates

Population*

| | |
|----------|-----------|
| Amman: | 2,419,600 |
| Irbid: | 1,112,300 |
| Zarqa: | 931,100 |
| Mafraq: | 293,700 |
| Karak: | 243,700 |
| Balqa: | 201,200 |
| Jarash: | 187,500 |
| Madaba: | 156,300 |
| Ajlun: | 143,700 |
| Aqaba: | 136,200 |
| Ma'an: | 118,800 |
| Tafiela: | 87,500 |



* <http://www.jordan.gov.jo/> 2011 data

J-FETP Today

- Uses the standard CDC FETP curriculum with modifications and case studies based on needs assessment of Jordan's public health status
- Residents are engaged in many levels of MOH during FETP; communicable and non-communicable disease directorates
- Jordan FETP has been incorporated into the community medicine residency program as part of the Jordan Medical Council (Jordanian Board in Community medicine) to ensure the sustainability and strengthen of the program. The FETP now counts as 2 years towards the community medical board .

IMPACT

FETP Role in the Ministry of Health

The FETP supports the mission of the MOH to promote population health:

Residents

Residents are a resource for the MOH throughout their residency period and have the capacity to conduct activities and address urgent needs.

Graduates

As highly qualified and well trained professionals, bring higher level of skills to MOH at the central and governorate levels.

National Activities: Surveillance

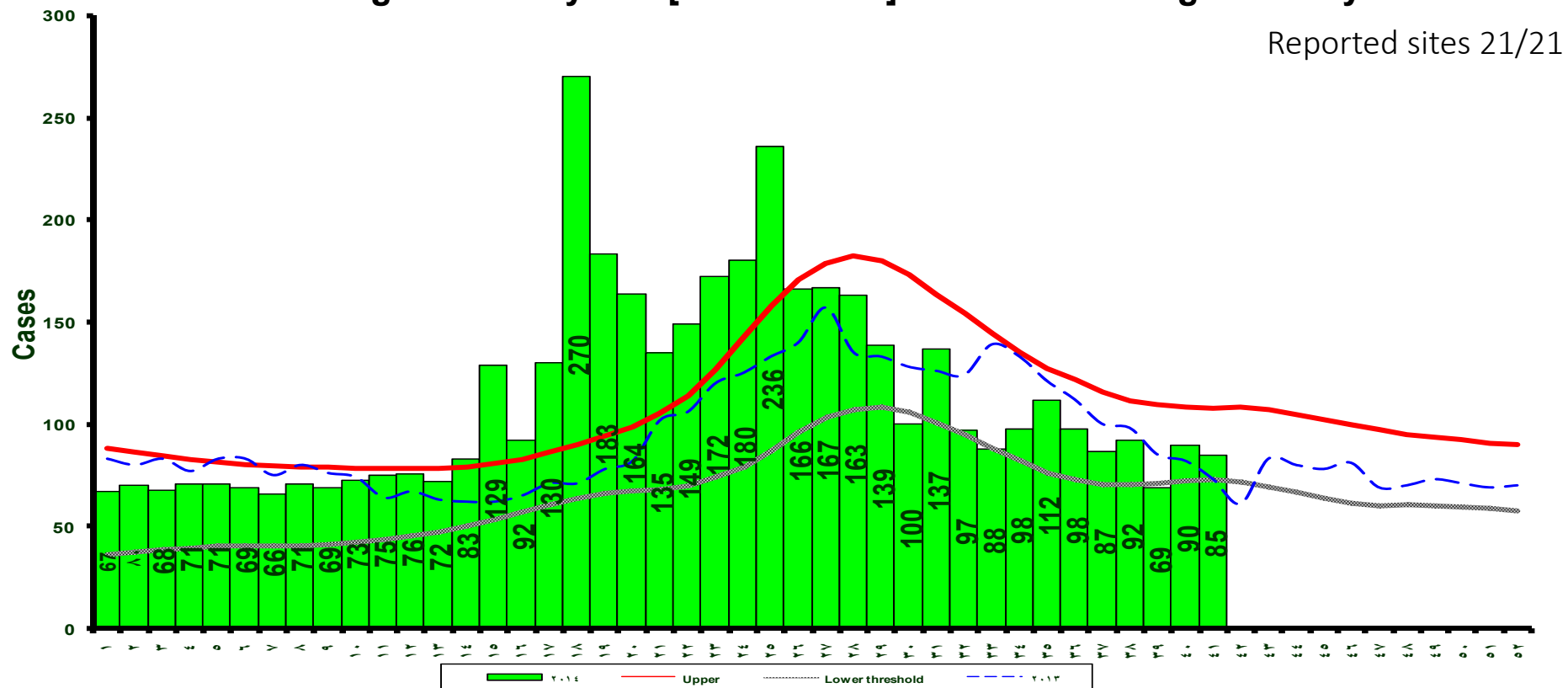
Jordan Infectious Disease Information System (JIDIS)

- Electronic database installed at local and central directorates to track cases of communicable disease
- FETP residents collect, examine, and organize data from the JIDIS; then present to Directorate of Communicable Diseases at MOH on weekly basis
- Produce reports for website



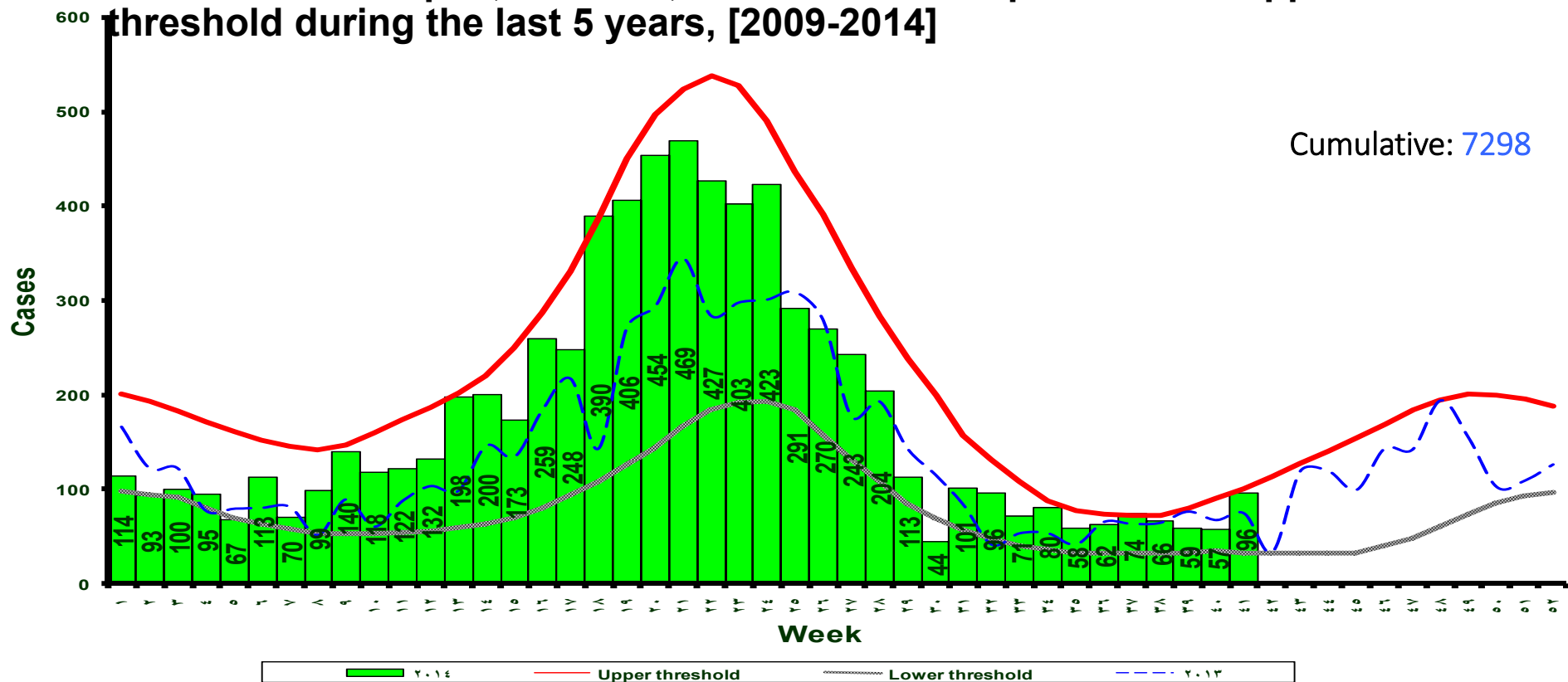
Example of Data Presented by Residents in Weekly Reports to MOH

Occurrence of diarrhea cases in Ma'an through Week Nr.41 compared to the upper & lower threshold during the last 5 years [2009 – 2014] and cases during the last year



Example of Data Presented by Residents in Weekly Reports to MOH

Cases of chickenpox, Week 41, Jordan 2014 compared to the upper & lower threshold during the last 5 years, [2009-2014]



National Activities: Surveillance

Non-Communicable Diseases

Implementation of 3 Behavioral Risk Factors Surveys (BRFSS)

- Identified the behaviors contributing to NCDs
- Establishment of NCD Directorate in MOH prompted by the findings
- Non-Communicable Disease Project - Ajloun



National Activities: Surveillance

Mortality Surveillance

- Examined and revised mortality data systems and death certificates
- Revised death notification form; used as a model form internationally
- Death certificate has been modified according to international standard
- A software has been developed to facilitate storage, retrieval and analysis of mortality data
- The system began working on June 2003 Since that date every year issued a report on the causes of deaths in Jordan



National Activities: Outbreak Investigations

Residents trained in proper outbreak investigation practices

- Residents and graduates able to quickly detect outbreaks, conduct data collection and interpretation and communicate with Primary Health administration
- FETP residents are present in the responses to all outbreak investigations in Jordan; food poisoning, measles, all other infectious diseases



National Activities: Outbreak Investigations

Middle East Respiratory Syndrome Coronavirus (MERS-CoV)

- FETP formed MERS-CoV team with MOH and EMPHNET
- Conducted retrospectively serological and epidemiological studies, national and global; published in oxford journals



National Activities: Syrian Refugee Crisis

Syrian Refugee Crisis

- Help response to the over 600,000 Syrian refugees in Jordan
- Established system for collecting and reporting data regarding Syrian refugee care at MOH health facilities
- FETP focal point in local governorates reports data on refugee health to central MOH
- Monthly report about Syrian refugees who attend governmental health facilities. prepared and presented by FETP residents



Regional Contributions

- Major source of support in public health and epidemiology in the Eastern Mediterranean Region
- Supports regional investigations, response, surveillance- residents and graduates
- Jordan FETP has hosted residents from Palestine (Gaza and West Bank), Iraq, Yemen and Syria,
- Assisted in establishing FETPs In Iraq and Yemen in coordination with CDC and EMPHNET
- Multinational investigations with WHO and int'l NGOs



Accomplishments and Publications

- ✓ Assisted with major outbreak investigations
- ✓ Contributed to applying FETP concept in neighboring countries
- ✓ Improved publication rate from MOH
- ✓ Presented at regional and global conferences
- ✓ Graduated 61 physicians (Including 2 veterinarians) through 11 cohorts
- ✓ Revised death notification form
- ✓ Institutionalized BRFSS; survey publications in 2002, 2004, 2007
- ✓ Installation of JIDIS

Current Priorities for Residents

- Infectious disease Weekly reports to MOH
- Support health services and health monitoring for Syrian refugees in Jordan

Five years plan for workforce development in J MOH
 [FETP-CM Residents]

| Years / Training Levels | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------------------------|------|------|------|------|------|
| 1 st year | 10 | 10 | 10 | 10 | 10 |
| 2 nd year | | 10 | 10 | 10 | 10 |
| 3 rd year | | | 10 | 10 | 10 |
| 4 th year | | | | 10 | 10 |
| Total | 10 | 20 | 30 | 40 | 40 * |

* Out of them estimated graduated =10



Thank You