

**The First East Mediterranean Public Health Network (EMPHNET),  
the 4th TEPHINET Regional Scientific Conference and the 7<sup>th</sup>  
Conference of the Jordanian Public Health Association  
Amman, Jordan, October 19-22, 2009.**

**Program of Plenary and Poster Sessions – Preliminary Version**

**Tuesday 20th October 2009**

***I. Program of Plenary Session***

**08:30 – 10:00am - Plenary Session1- Evaluation of surveillance system**

**Moderators - TBA**

**08:30 – 08:45 OP1- Nadeem Ikram, Pakistan**  
Evaluation of HIV/AIDS surveillance system (s) in Pakistan.2009 Pakistan.

**08:45 – 09:00 OP2- Muhammad Abbas, Pakistan**  
Evaluation of TB surveillance system in district Pakpattan Punjab Pakistan  
November 2007. Pakistan.

**09:00 – 09:15 OP3- Rana Imtiaz Ahmad, Pakistan**  
Evaluation of Malaria Surveillance System(s) in District Pakpattan, Punjab,  
Pakistan, January 2009. Pakistan

**09:15 – 09:30 OP4- Nadine F. Haddad, Lebanon**  
Ambulatory sentinel surveillance system in Lebanon.

**09:30 – 09:45 OP5- Akbar Ali Ghangro, Pakistan.**  
Evaluation of Hepatitis Surveillance System in Naushehro Feroz, District of  
Sindh. Pakistan.

**09:45 – 10:00 OP6- Tabassum Mahmood, Pakistan**  
Evaluation of the Road Traffic Injuries Surveillance System in District  
Rawalpindi, January 2008.

**10:00-10:30 Coffee-Break**

**10:30-11:30 – Plenary Session 2 – Waterborne outbreaks**

**Moderators - TBA**

**10.30-10.45 OP7- Nighat Murad, Pakistan**  
Out break of Vibrio Cholera El-Tor O1 Ogawa in Taru Jabba, District Nowshera,  
NWFP, Pakistan. August, 2008 Pakistan.

**10.45-11.00 OP8- Rab Nawaz, Pakitan**  
Outbreak Investigation of Acute Diarrhea during April to May, 2009 in Taru-  
Jabba of District Nowshera, NWFP, Pakistan.

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**11.00-11.15 OP9- Sailaja Bitragunta, India**

Waterborne outbreak of hepatitis E at Julur, Andhra Pradesh, India, 2007.

**11.15-11.30 OP10- Ali A. H. Aboid, Iraq**

Cholera outbreak in Karballa, Iraq , 2008.

**11:30-12:45– Plenary Session 3 –Outbreak investigation**

**Moderators - TBA**

**11.30-11.45–Conference- emerging re-emerging diseases in the region**

**11.45-12.00 OP11- Muhra Al-alwy, Saudi Arabia**

Foodborne outbreak in Ahad Rafidah, Saudi Arabia, February 2009.

**12.00-12.15 OP12- Manjubala Panda, india**

A Salmonella food poisoning resulting from consumption of under-cooked meat at Gandhrel, Bolangir, Orissa, India, 2008

**12.15-12.30 OP13- Perdeep Kumar, Pakistan**

Dengue Fever Outbreak Investigation in Basal, Attock, Pakistan, 2008

**12.30-12.45 OP14- Laila Al Shaar, Lebanon**

Brucella outbreak in Lebanon.

**12:45-13.30 Plenary Session4 –Zoonosis**

**Moderators – TBA**

**12.45-13.00 OP15- Abdulkareem Al-Quwaidhi, Saudi Arabia**

Was there a link between human TB cases in Madinah and the bovine TB outbreak among cows in 2007-2008?

**13.00-13.15 OP16- Ghazi Sharkas, Jordan**

Epidemiology of Animal Bites in Zarqa, Jordan 2007

**13.15-13.30 OP17- Rami H. Al Rifai, Jordan**

Avian Influenza Virus H9 Subtype in Poultry Flocks in Jordan, 2008.

**13:30-14:30 Lunchtime**

**14.30-15.45 Plenary Session5 –HINI**

**Moderators - TBA**

**14.30-15.00-Conference H1N1 -TBA**

**15.00-15.15 OP18- Basel Abdulla, Jordan**

Epidemiology and Control of Novel Influenza A (H1N1) in Jordan: The First 30 Cases.

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**15.15-15:30**

**OP19- Muhammad Youbi, Morocco**

Pandemic (H1N1) 2009 Analysis of Individual Cases Reported in Morocco as of 29 July 2009.

**15.30-15.45**

**OP20- Fatima Ait-Belghiti, Epi-South Project**

The progressive expansion of the Novel A(H1N1)v epidemic in the EpiSouth region (Mediterranean and Balkans).

**15.45-16.45 Poster session 6 -Infectious**

**16.45-17.15 Coffee-Break**

**17.15—19.:15 Plenary Session 7 – Infectious diseases**

**Moderators – TBA**

**17.15-17.30**

**OP21- Ansari J.A, Pakistan**

Prevalence of Diarrheal Diseases in under five children in Murree, Pakistan 2008.

**17.30-17.45**

**OP22- El Sayed Raafat El Abed Egypt**

Risk factors of HCV Infection among renal dialysis patients, Alexandria, Suez and Red Sea governorates, 1997-2007, Egypt

**17.45-18.00**

**OP23- Kalil Kanani, Jordan**

Efficacy of prophylaxis of malaria and prevention of relapses among military forces after peace mission in endemic area

**18.00-18.15**

**OP24- Hanan Al-Shaikh, Saudi Arabia**

Assessment of vaccination on status and other preventive practices among health care workers in hajj season, 1428 H (2007G).

**18.15-18.30**

**OP25- Listiono, Indonesia**

Rapid Child Immunization Coverage Survey in Lampung Utara District, Indonesia 2007.

**18.30-18.45**

**OP26- Rana Safdar, Pakistan**

Alerts/Outbreaks Experience of Epidemic Investigation Cell, National Institute of Health, Islamabad Pakistan, 2006-2008.

**18.45-19.00**

**OP27- Kareman al-zein, Jordan**

Epidemiological features of gastroenteritis attributable to rotavirus in hospitalized children less than five years old in selected hospitals in Jordan 2007-2009.

**19.00-19.15**

**OP28- Hala M. Abou Naja, Lebanon**

Laboratory Surveillance System: A Pilot study in Northern Lebanon province.

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**Tuesday 20th October 2009**

***II: Program of Poster Session***

**I. surveillance**

**PP1-Muhammad Dawood Kasi , Pakistan**

- Evaluation of Measles Surveillance System of District Quetta. January 2009.

**PP2-Pardeep Kumar , Pakistan**

- Evaluation of Measles Surveillance System in District Attock, Punjab, Pakistan, 2008.

**PP3-Daudpota Ansari , Pakistan**

- Evaluation of TB-DOTS Surveillance Program in District Kashmore, Sindh.

**PP4-Aslam Pervaiz**

- Evaluation of Tuberculosis Surveillance in Punjab Prisons, Pakistan.

**PP5-Mohammad Younas , Pakistan**

- Evaluation of TB Surveillance in Distt Okara, January 2009.

**PP6-Rab Nawaz , Pakistan**

- Evaluation of HIV/AIDS Surveillance System in NWFP, Pakistan, November, 2008.

**PP7-Wazir Akbar Afridi , Pakistan**

- Evaluation of Malaria Surveillance System in District Peshawar and Khyber agency, NWFP, Pakistan. October 2007

**II.Outbreaks**

**PP8-Jaber Sharaheeli , Saudi Arabia**

Role of timing of vaccination in measles outbreak in Tathleeth region, Saudi Arabia, 2007 (1428 H).

**PP9-Wazir Akbar Afridi , Pakistan**

- Out break of Cholera in Pabbi and Aza khel, District Nowshera, NWFP, Pakistan. August 2008.

**PP10-Manjubala Panda ,India**

- An Outbreak of Cholera associated with an unprotected and contaminated well, Chickalbahal, Bolangir, Orissa, India, 2007.

**PP11-Najeeb Abdullah , Yemen**

- Cholera Outbreak among Ethiopian Refugees in Yemen, 2008.

**PP12-Jaber Sharaheeli**

- Gastroenteritis outbreak among attendees of reconciliation banquet in Riyadh city, Saudi Arabia, May 2007.

**PP13-Nasser Alfaraj , Saudi Arabia**

- Food borne Outbreak in, Saudi Arabia, January 2008

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**III. Infectious diseases**

**PP14- Majed Mizgagi , Yemen**

- Hepatitis B and C in dialysis units in Yemen.

**PP15- Abdulla Bin Ghouth , Yemen**

- Trends of malaria epidemiology in Yemen: is it possible to eliminate malaria by 2019?

**PP16- Nasser Alfaraj , Saudi Arabia**

- Prevalence of Hepatitis B and C among blood donors at Qatif central hospital, 1993-2008.

**PP17- Niaz Ali Khan , Pakistan**

- Acute Respiratory Infection's Surveillance among children.

**PP18- Yahya Arabyat, Jordan**

- How Can Swine Flu Be Treated?

**PP19-Amal Shalaby , Egypt**

- A study of Hepatitis A Infection among inpatients at selected Fever Hospitals, Egypt 2008.

**PP20-PP18-M.G. Dentel, Epi-South**

- A framework of collaboration for communicable diseases surveillance and training in the Mediterranean area.

**PP21-Rami H. Al Rifai , Jordan**

- Evaluation for Animal Bite Cases That Received and Treated by Irbid Health Directorate during the Year of 2008.

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**Thursday 22nd October 2009**

***I. Program of Plenary Session***

**8:30-10:00-Plenary Session1 - Non-communicable diseases**

**Moderators - TBA**

**8:30-8:45 - Conference- Non-communicable disease in Palestine.  
Prof. Abdullatif Hussieny-Birzeit University**

**8.45-9.00 OP29- Khawater Bahkaly, Saudi Arabia**

Quality of life of children with type 1 diabetes and difficulties that they and their families facing on day to day living with diabetes.

**9.00-9.15 OP30- Nasser Alfaraj, Saudi Arabia**

Behavioral Risk Factors for Diseases during the Pilgrimage to Makkah, 1428 H/2007 G.

**9.15-9.30 OP31- Majd Saleh, Lebanon**

Lebanese National Cancer Registry: An Overview of 2004 Cancer Cases and Insight on 2005-2007 Cancer Cases.

**9.30-9.45 OP32- Marwa Abdelsamed, Egypt**

Risk factors for rheumatic fever among school children in Behara, Giza and Ismailia governorates, Egypt, 2008

**9.45-10.00 OP33- Abdulkareem Al-Quwaidhi, Saudi Arabia**

Pattern of diseases among visitors of health care facilities in Madinah during hajj season, 1428 H (2007 G).

**10:00-10:30 Coffee-Break**

**10:30-12:00 Plenary Session2 -Mental health**

**Moderators – TBA**

**10.30-10.45 Conference- Mental Health in the region -TBA**

**10.45-11.00 OP34 Jaber Sharaheeli, Saudi Arabia**

Medical illnesses among chronic psychiatric inpatients in Taif mental hospital, Taif, Saudi Arabia, 2008 (1429H).

**11.00-11.15 OP35 Sani Hlais, Lebanon**

Psychosocial determinants of Breast cancer Screening Behaviour among Lebanese Women.

**11.15-11.30 OP36 Mohammed Diaaeldin, Sudan**

Determinants of Psychological distress among internally displaced women - West Darfur, Sudan, 2006.

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**11.30-11.45 OP37 Thaer Salem,Iraq**

Prevalence of Mental Illnesses among Adults Attending Primary Health Care Centers in Baghdad/ Iraq. Oral.

**11.45-12:00 OP38 Ibrahim Iblan,Jordan**

Hypertension and Frequent mental distress among Jordanian adults 2007

**12:00-13:00 Plenary Session3- Virous topics**

**12.00-12:15 OP39 Hayat Khogali , Sudan**

Post Intervention assessment of: Knowledge, Attitude, Behavior and Practice of HIV/AIDS / STIs among Displaced Persons in Jebel Aulia Camps, Khartoum State-SUDAN 2006

**12.15-12:30 OP40 Attia Abdullah , Egypt**

Needle stick injuries among health care workers, Al-Arish general hospital, April-June, 2008, Egypt.

**12.30-12:45 OP41 Tabassum Mahmood , Pakistan**

Fatality Rate and Risk factors for Fatal Road Traffic Accidents on Islamabad -Lahore Motorway, Pakistan- A Nested Case-Control study, 2009.

**12.45-13:00 OP42 Muhra Al-alwy, Saudi Arabia**

Assessment of health services provided to pilgrims by Saudi Boy Scouts and their exposure to health risks during these activities in Hajj 1429H.

**13:00-14:00 Lunch**

**14:00-15:00 Poster Session 4-**

**15:00-16:00 Plenary Session 5- Late -breakers**

**15.00-15.15 OP43 Fatima Ait-Belghiti, Epi-South Project**

Implementation of an epidemic intelligence and early warning system in Mediterranean region (EpiSouth).

**15.15.15.30 OP44 Faris Al-Lami,Iraq**

Radiological Changes in Chest X-Ray Films of People Residing next to Asbestos Factory.

**15.30-15.45 OP45 Loai Fadil, Iraq**

Proportion and Determinants of Incomplete Immunization in a Sample of Children Aged Less Than Two Years in Baghdad.

**15.45-16.00 OP45 Nadia Bahar, Iraq**

Prevalence and Determinants of Diabetic Peripheral Neuropathy among a Sample of Type 2 Diabetic Patients in Baghdad.

**16:00-16:30 Coffee- Break**

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**Thursday 22nd October 2009**

***II. Program of Poster Session***

**PP22- Suzan Murtada, Syria**

- Health impact of climate change in Syria

**PP23-Abdulkareem Al-Quwaidhi, Saudi Arabia**

- Saudi Premarital Screening Program: Public view after 3 years of implementation.

**PP24-Nabil Sabri, Jordan**

- Hospital admission among Jordanian adults.

**PP25-Ibrahim Al-Honaizil, Saudi Arabia**

- Knowledge and Behavior of the Medical Services Department (MSD) of Armed Forces Employees toward Seat belt use, Riyadh 2007.

**PP26-Samar Al-jazzaz, Jordan**

- Assessment of health status of under five years old children Salt city; December 2007.

**PP27-A. Kurchatova, Epi-South Project**

- Migration status profile and vaccination access of mobile population in countries joining the EpiSouth Network .

**PP28-R. Gnesotto, Epi-South Project**

- Monitoring of the network development process and work packages implementation.

**PP29- Ibrahim Al-Honaizil, Saudi Arabia**

- Assessment of Hygienic Quality of Food, Food Handlers and Restaurant Environments in Makkah during Hajj 1428 H.

**PP30-Dente MG, Epi-South Project**

- Are the zoonoses priorities identified for the whole EpiSouth Region fitting the Italian National needs?

**PP31- Mohannad Al-Nsour, Jordan**

- Colorectal Cancer in Jordan: Results from Population Based Cancer Registry.

**PP32-Abdullah Abusail, Saudi Arabia**

- Knowledge of Health Workers at Al Zaher and Ajyad Hospitals of Health Care Waste Management, During Hajj Season 1426 H – 2006 G.

**PP33- Mustafa Arafa, Saudi Arabia**

- Prostate cancer screening study in a Saudi population An explanatory study.

**PP34- Ahmad Saleh, Lebanon**

- Surveillance of hospital-based cause of death in Lebanon.

**PP35- Sani Hlais, Lebanon**

Overweight and obesity in Children; Prevalance and determinants.  
Study in two schools of Greater Beirut.

**PP36- Dr. Ibrahim Al-Honaizil, Saudi Arabia**

Knowledge and Behavior of the Medical Services Department (MSD) of Armed Forces Employees toward Seat belt use, Riyadh 2007.





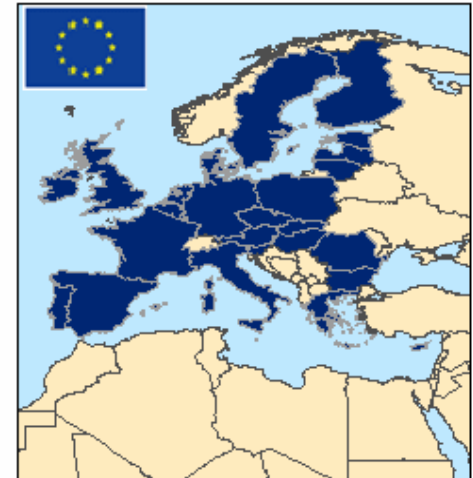
## **The progressive expansion of the Novel A(H1N1)v epidemic in the EpiSouth region (Mediterranean and Balkans)**

**Fatima Aït-Belghiti, Nathalie El Omeiri, Juliette Gueguen,  
M. Gastellu-Etchegorry, A. Rachas and P. Barboza.**  
for EpiSouth network



Institut de Veille Sanitaire (InVS), France

## EpiSouth Potential Coverage



### Legend

27 "countries"

- 11 EU

- 5 Middle-East

- 4 North Africa (Maghreb)

- 7 Balkan







# Structure of the EpiSouth region

## Objective:

Create a framework on epidemiological issues to improve across the countries of the Mediterranean and Balkans

- ▣ Communicable diseases surveillance,
- ▣ Communication and training

## 8 Workpackages (WP)

### 4 technical WP

- ▣ Epidemic Intelligence & cross border
- ▣ Vaccine preventable diseases & migrants (Bulgaria)
- ▣ Emerging zoonoses (HCDCP) Greece
- ▣ **Training** (ISCII Spain)

### 4 support WP

- ▣ **Coordination, dissemination, evaluation, and network**

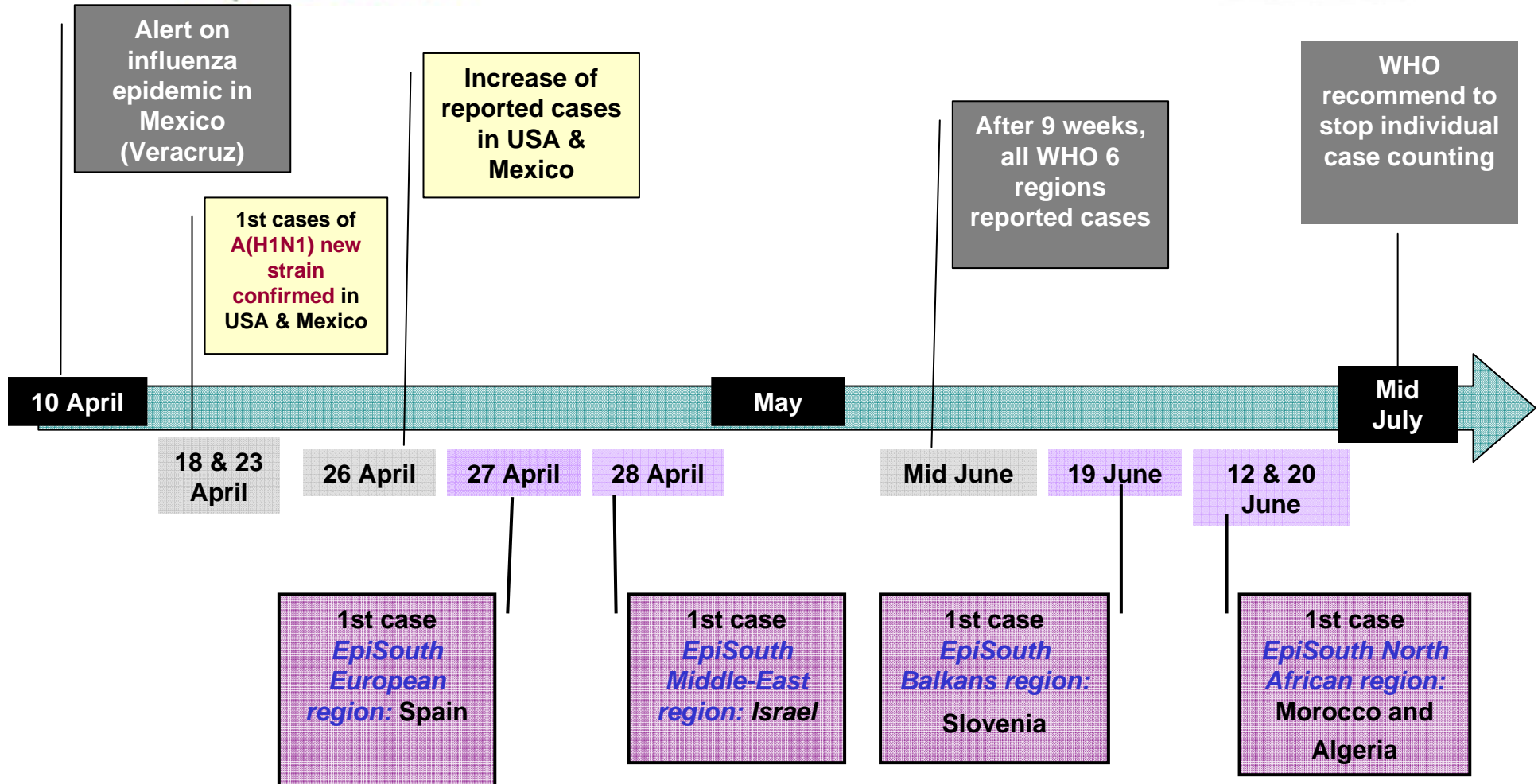
▣ **Countries : Active participation** to project construction through their involvement in WP Steering Teams.

▣ **Duration** : Initial 3 Years period

▣ **Start** : December 2006 (in practice April 2007)

▣ **Funding** : European Commission + Italian MoH

# Historic...



- Only the counting of confirmed deaths is performed in the majority of countries
- Use of total number of confirmed cases no more representative to evaluate the pandemic evolution



# Chronological A(H1N1) pandemic spread in the region *(detected cases reported)*

11 May 2009



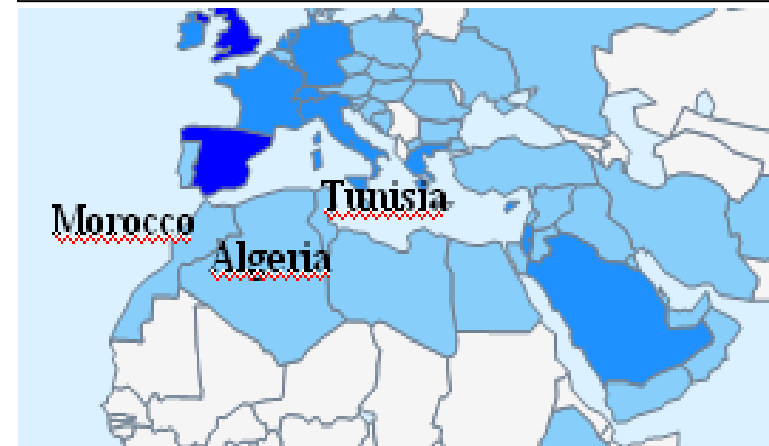
31 May 2009



08 June 2009



13 July 2009





# Focus on EpiSouth region

## Source of data: EpiSouth countries

- On a voluntary basis: network focal points
- From ministry of health, public health institute, WHO

## Data collected:

- Confirmed cases
- Case definition and case management strategies
- Deaths / severe cases
- Community transmission: circulation intensity
- Imported VS local cases

## Descriptive analysis on a weekly basis

## Information shared with the network:

- Daily bulletin (since 06 May to 26 June);
- Twice a week (in June)
- Weekly bulletin (from July)

**EpiSouth** Network for Communicable Disease Control in Southern Europe and Mediterranean Countries

**Novel influenza A(H1N1), Worldwide**  
Situation up to 26<sup>th</sup> of June 2009 at 11:00 AM

**Worldwide epidemiological situation**

- The epidemic is still spreading in all continents: to date, more than 67 000 cases confirmed in total.
- New countries have reported their first cases: Cambodia, Cote d'Ivoire, Iraq and Vanuatu
- Among EpiSouth countries: Serbia.

**France**

- To date, 239 confirmed cases were reported, including 2 in French Polynesia, 2 in Martinique and 1 in Saint-Martin (French departments of America):
  - 172 were imported
  - 45 cases (with no travel history) are secondary cases linked to imported cases.
  - 22 cases (with no travel history) had been identified among clusters.
- 10 clusters are linked to cases with travel history.
- 220 suspected cases are still under investigation.
- 2 severe cases have been reported: one recovered and the other one is in stable condition.
- <http://www.invs.sante.fr>

**International Situation**

Table 1: Number of confirmed A(H1N1) novel influenza up to 26/06/09, 11:00 am\*

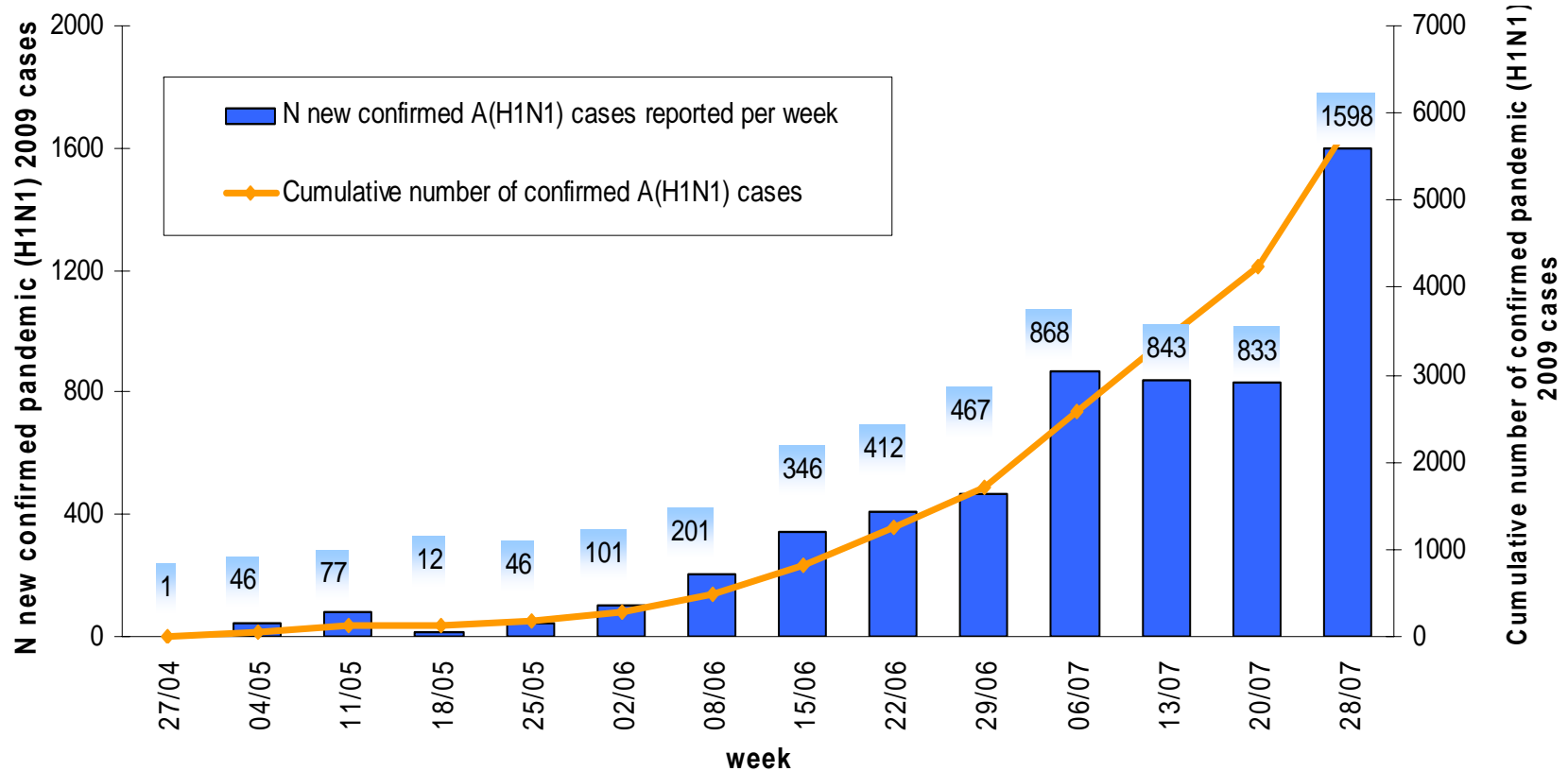
Country	A(H1N1) confirmed cases		Community transmission**	Available data on locally infected cases (CSL) and on exported cases from countries without confirmed community transmission. CSL = Secondary case linked to an imported case CBL = Secondary case no linked to an imported case
	Total	Death		
<b>EPISOUTH COUNTRIES</b>				
Algeria	2	0		
Bulgaria	7	0		
Croatia	1	0		
Cyprus	6	0		
Egypt	48	0		
France (Metropolitan)	234	0		See comments above.
Greece	70	0		
Israel	405	0		2/3 of cases are imported, 1/3 of cases are secondary, 1 school cluster
Italy	102	0		4 CSL, 7 school clusters, 1 back from cruise in Croatia
Jordan	15	0		
Lebanon	25	0		
Montenegro	1	0		
Morocco	9	0		
Pakistan	12	0		1 case imported from Saudi Arabia (Mecca)
Romania	22	0		2 CSL
Serbia	1	0		
Slovenia	3	0		1 case imported from France
Spain	541	0		1 exported to Lebanon, 1 exported to Cuba, 1 exported to Brazil
Tanzania	3	0		
Turkey	26	0		
<b>Total EpiSouth Countries</b>	<b>1 533</b>	<b>0</b>		
Antigua	2	0		
Arquitino	1 391	23	Yes	
Bahamas	4	0		
Barbados	10	0		2 CSL





# A(H1N1) 2009 Pandemic spread in the EpiSouth region

(As of 28 July 2009)

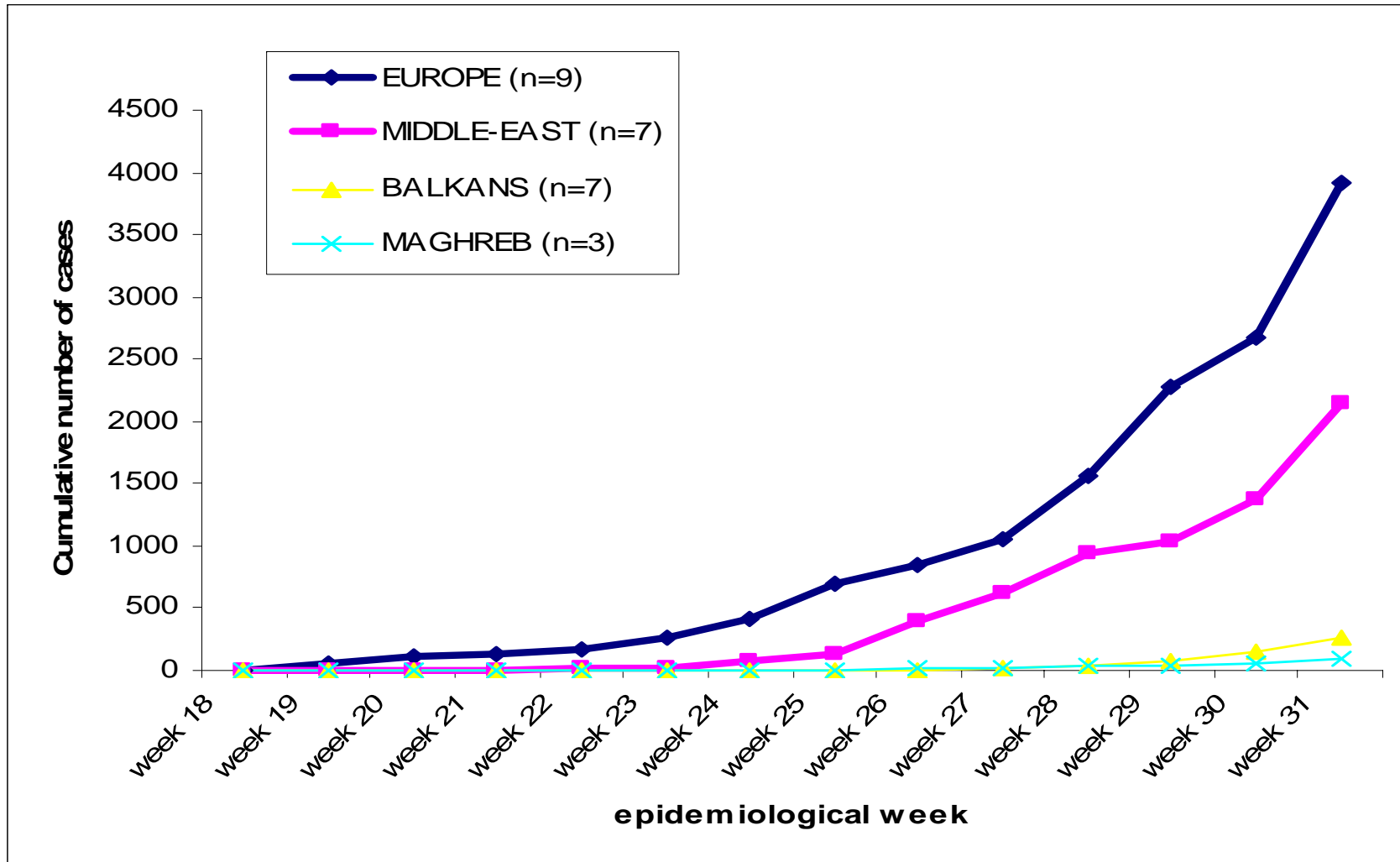


Cumulative Nb of confirmed A(H1N1) cases	1	47	124	136	182	283	484	830	1242	1709	2577	3420	4253	5851
Number EpiSouth countries reporting cases	1	4	4	5	6	10	11	13	17	20	24	24	25	26



# Evolution of the pandemic.. By « region »

Cumulative A(H1N1)2009 confirmed cases in the 4 EpiSouth regions, as of 28 July (week 31).

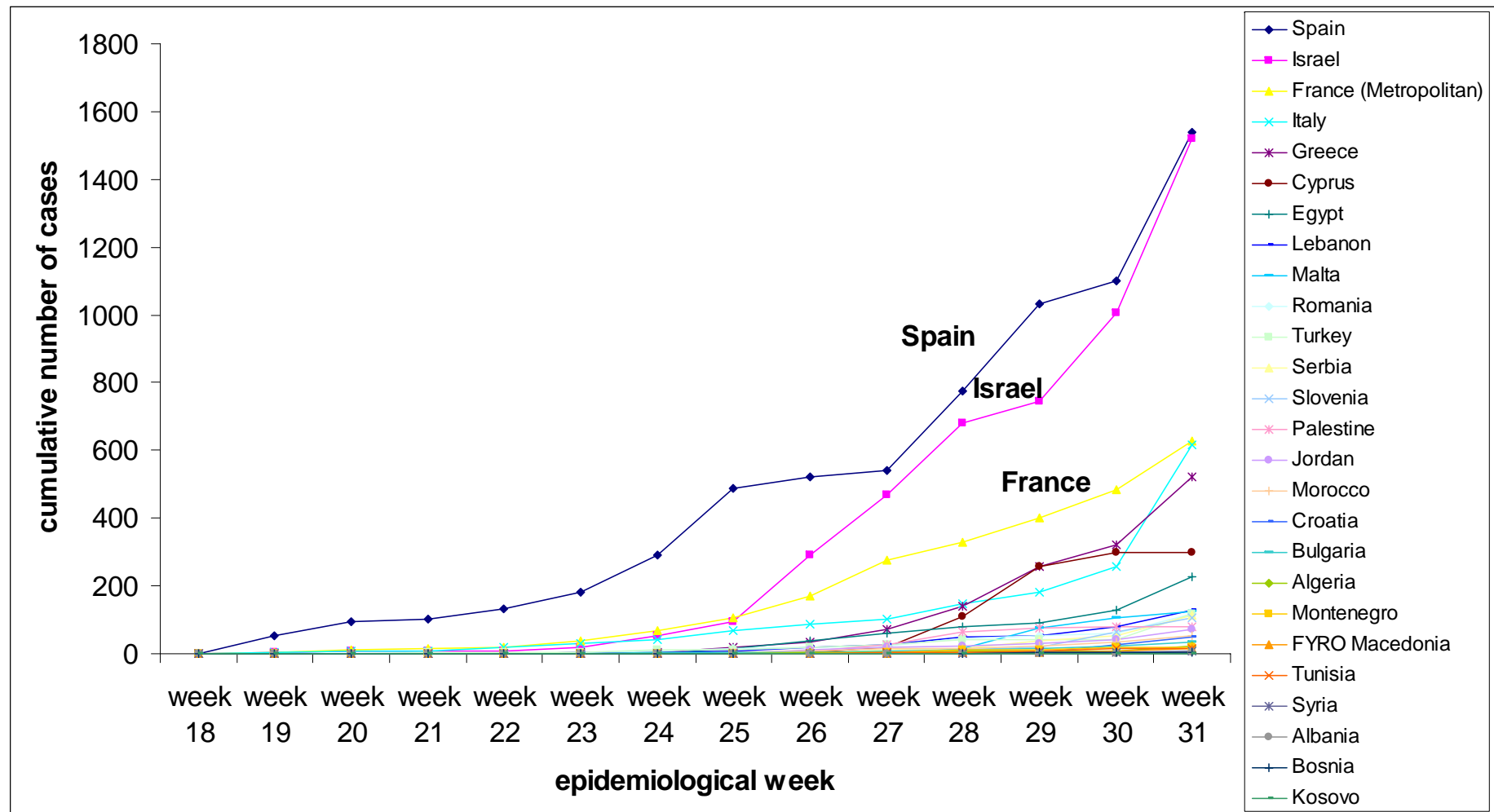






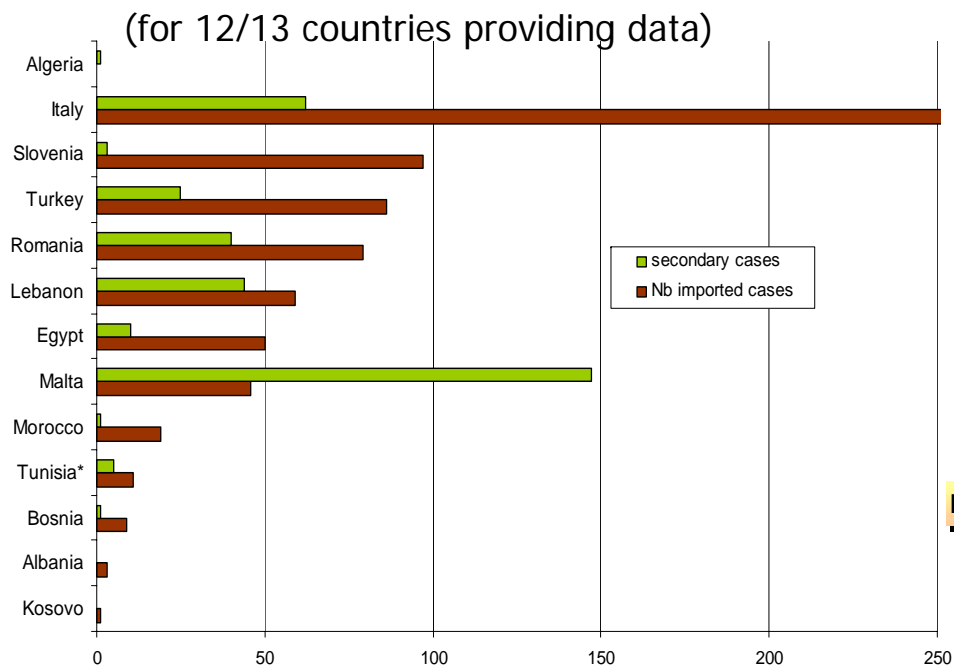
# A(H1N1) Pandemic spread by countries

**Cumulative A(H1N1) 2009 confirmed cases reported by the 26 EpiSouth countries,**  
as of 28 July (week 31).

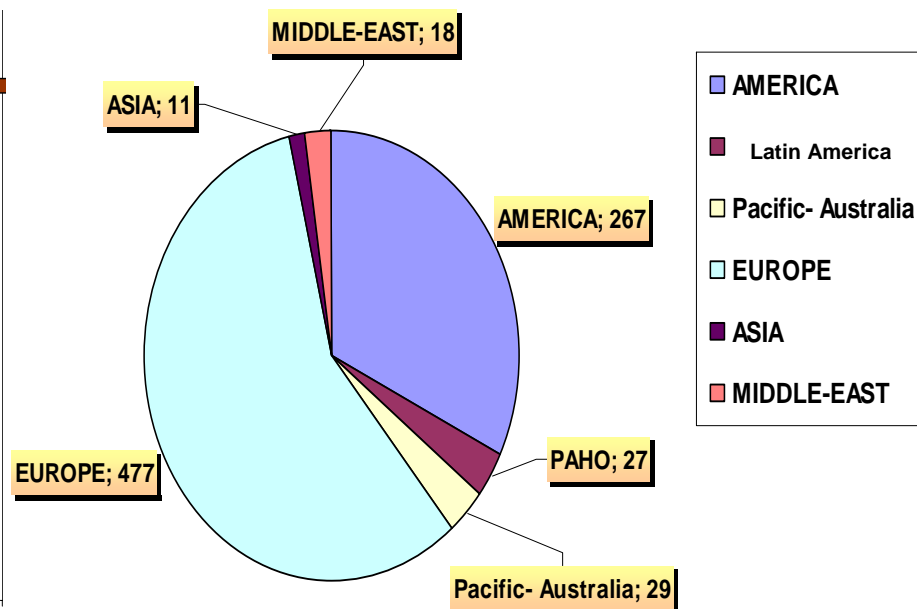


# Exportation of cases: Imported cases and countries of origin

## Imported VS local cases



## Countries of origin (imported cases)



### Main trends:

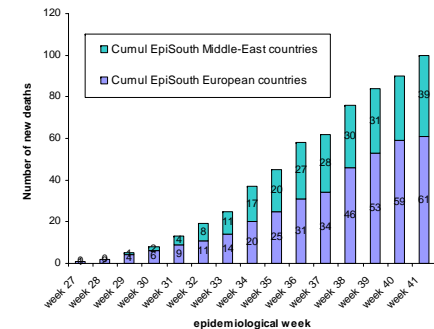
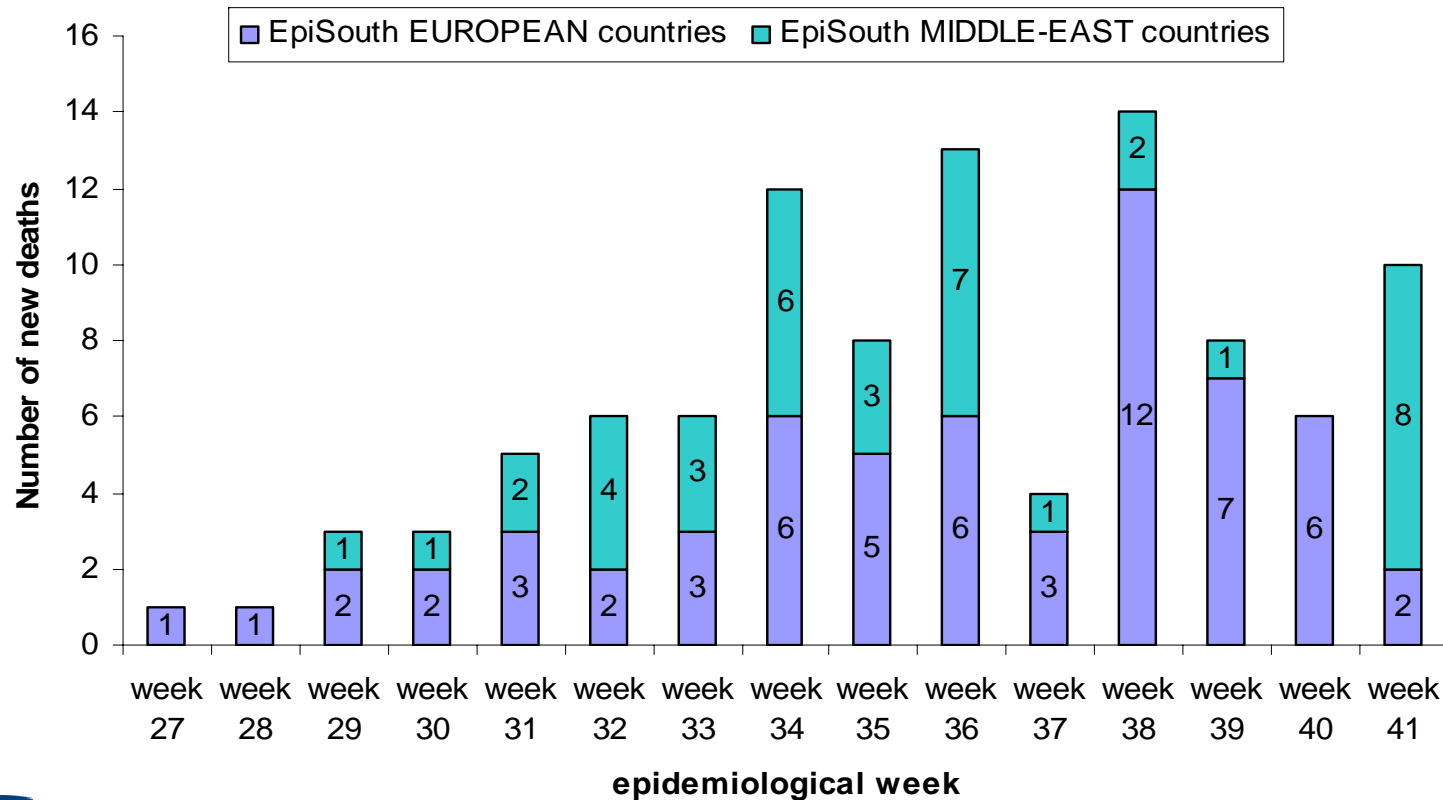
- ⇒ Canada and USA exported in Egypt, Lebanon, Saudi Arabia, Morocco (Students and expatriate population back for summer)
- ⇒ Europe exported in Tunisia and Algeria
- ⇒ Saudi Arabia in the Middle East neighbouring countries (e.g. pilgrims)



# Deaths A(H1N1)v related in the EpiSouth region, as of 12 October 2009.

## New deaths reported per week, by 'region' (from week 27 to 41)

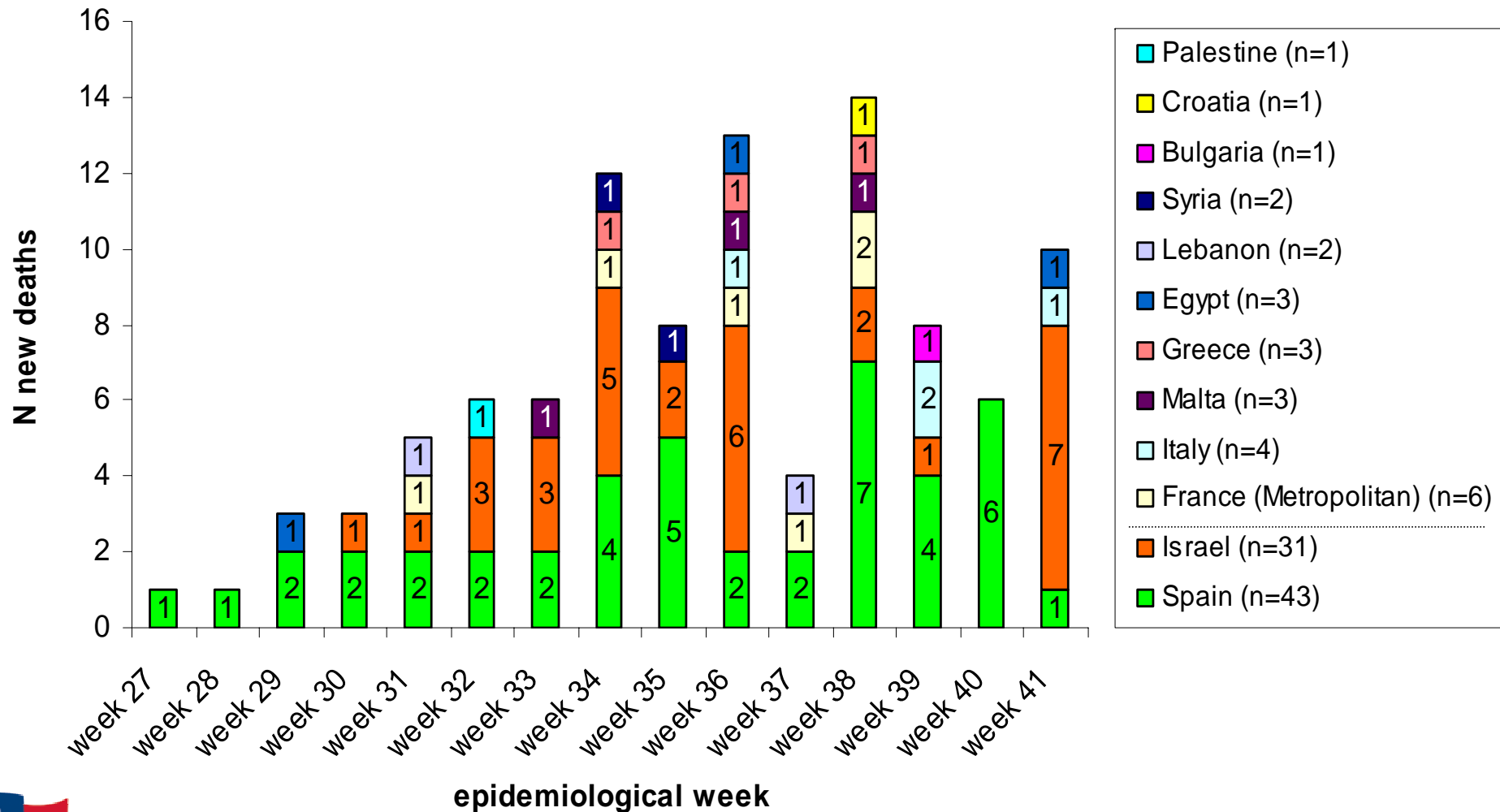
- No death reported in Balkans and North Africa
- Total death in EpiSouth European countries = 61
- Total death in EpiSouth Middle East countries = 39





# A(H1N1)v Deaths related in the EpiSouth region, as of 12 October 2009.

- New A(H1N1)2009 deaths notified **per week, by country of report** (from week 27 to 41).
- N death total = 100.





# Discussion

## ➤ Added value:

- First compilation of data available in English on this area (*3 different WHO regions*)
- Unique access for regional daily update: several regions involved
- Data sharing « countries to countries », direct request and faster answers: case management, case definition, etc.
- Facilitation of update

## ➤ Limits

- Surveillance system: exhaustivity, geographic coverage, difference between countries
- Case definition
- Lab confirmation
- Delay in detecting cases at the beginning of the outbreak





## Conclusion

- Episouth has tried to disseminate the data collected as much as possible.
- Delay in "*epidemic dynamics* ": later in Maghreb and in Balkans, compared with Europe.
- Most affected countries shared their experience
  - Later affected countries were able to anticipate
  - Usefulness in data sharing, case definition elaboration
  - Implementation of system and detection
- The winter should be approached with caution: influenza seasonal peak and people circulation (*e.g. Hajj pilgrimage next November for the EpiSouth region*)



Acknowledgments to:

- All the EpiSouth network and the 26 participating countries
- Our colleagues at the International department in InVS (France)

Thanks for your attention.

<http://www.episouth.org/index.html>