

ECDC DAILY UPDATE

Pandemic (H1N1) 2009

Update 02 November 2009,
09:00 hours CEST

Main developments in past 72 hours

- WHO SAGE Committee advises on pandemic vaccines October 30th, 2009
- Outbreaks of Severe Acute Respiratory Infection in the Ukraine – late October
- The latest report from the European Influenza Surveillance network for week 43/2009 shows the steadily increasing appearance of the pandemic in EU-EEA countries
- Total of 317 fatal cases in Europe and EFTA countries and 6 153 in the rest of the world have been reported up to date.

This report is based on official information provided by the national public health websites or through other official communication channels. An update on the number of confirmed fatal cases, as of 01 November 2009 - 16:00 hours CEST, for the world, and 02 November 2009 - 09:00 hours CEST, for Europe is presented in Table 2.

New Developments

WHO SAGE Committee advises on pandemic vaccines October 30th 2009

The WHO Strategic Advisory Group of Experts met last week and among other issues considered its position on pandemic vaccines; specifically on the status of vaccine availability, results from clinical trials on vaccine immunogenicity, and early results from safety monitoring in countries immunisation had started. This is reported on the WHO web-site. Notable conclusions with relevance for European countries were:

SAGE recommended use of a single dose of vaccine in adults and adolescents starting at age 10 years provided such use is consistent with indications from regulatory authorities;

Data are not yet available for making recommendations on younger persons or immunocompromised persons but where national authorities have decided to vaccinate children they should start with single doses;

That seasonal and pandemic vaccines can be administered simultaneously and there is no evidence that co-administration of vaccines, as recommended, would increase the risk of adverse events;

Early results from the monitoring of people who have received pandemic vaccines was encouraging. Though there were side effects they were in the range seen for seasonal influenza vaccines and there was no indication of unusual adverse reactions. However monitoring for adverse events should continue.

Concerning Pregnancy studies in experimental animals using live attenuated vaccines and non-adjuvanted or adjuvanted inactivated vaccines found no evidence of direct or indirect harmful effects. Because of the substantially elevated risk for a severe outcome in pregnant women infected with the pandemic virus, SAGE recommended that any licensed vaccine can be used in pregnant women, provided no specific contraindication has been identified by the regulatory authority.

Severe Acute Respiratory Infection in the Ukraine – Late October

ECDC has become aware of outbreaks of Acute Respiratory Infection and Severe Acute Respiratory Infection in the Ukraine, notably in Western Provinces bordering the EU. Working with WHO Regional Office for Europe and the European Commission ECDC is monitoring the situation. There are some reports of influenza A(H1N1) being detected through PCR. The most likely explanation is that this is a manifestation of the pandemic but further investigations are needed to confirm this and exclude other infections. Neighbouring European Union countries are not yet seeing such acute outbreaks though levels of influenza like illness has been rising recently in Poland, Slovakia and Latvia. EISN (European Influenza Surveillance Network) Weekly Influenza surveillance Output - October 30th_

Weekly Influenza Surveillance Report Published for the EU/EEA Countries Week 43/2009 October 30th

- The number of countries with medium to very high intensity influenza activity continues to increase.
- Seventeen out of 27 countries report a rising trend.
- In sentinel samples, the proportion of influenza-like illness that tested positive for influenza has risen to 40%—a remarkably high percentage.
- Among positive sentinel isolates, influenza A(H1N1)v accounts for 82%.
- In 18–59 year-old patients with severe acute respiratory infection (SARI), females were overrepresented.
- In almost 40% of reported SARI cases, no underlying condition was identified.

http://www.ecdc.europa.eu/en/activities/surveillance/EISN/Newsletter/091030_EISN_Weekly_Influenza_Surveillance_Overview.pdf

Epidemiologic update

All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. Since April 2009, a total 317 deaths have been reported; the information is available in Table 2.

The latest available updates as of November 01, 2009, at 16:00, on new and on confirmed fatal pandemic A(H1N1) cases outside the EU/EFTA area by country, are also presented in Table 2.

The latest available updates on hospital admissions per Member State are presented in Table 1.

Daily Update contents

ECDC has now stopped publishing numbers of confirmed cases reported from EU/EFTA member states – as well as from other countries around the world – in its Daily Update. This is due to the fact that most European countries are now recommending laboratory confirmation only in certain population groups, such as the risk groups. The World Health Organization has also recommended that countries verify only the first few hundred cases; after that exhaustive sampling is not recommended any more.

We will continue to monitor the evolution of the pandemic within Europe mirrored by the number of fatal cases by country and through the Weekly Influenza Surveillance Overview which is published on Fridays. For the countries outside of Europe, we will monitor the number of fatal cases by country and monitor the surveillance reports of selected non-European countries. It must be emphasized that the numbers of fatal cases per country associated with pandemic influenza are likely to be gross underestimates. Access to healthcare, the quality of the laboratory network in the country, the quality of the surveillance system and the case definition used for identifying fatal cases all affect these figures and will vary from country to country.

Daily Updates will be produced by 09:00hrs every morning Monday to Friday. No updates will be produced during weekends and the Daily Update published on Monday includes the weekend's information. The production cycle will be reviewed as needed.

Table 1: Reported number of confirmed Pandemic (H1N1) 2009 influenza cases admitted to hospitals and intensive care by country as of 02 November 2009, 09:00 hours (CEST) in the EU and EFTA countries

Country (date of report)	Number of cases currently hospitalised	Cumulative number of cases admitted in hospitals	Number of cases currently in intensive care	Cumulative number of cases admitted to intensive care
Austria (23.10.)	-	-	-	-
Belgium (29.10.)	-	-	-	-
Bulgaria (25.10)	-	-	-	-
Cyprus	-	-	-	-
Czech Republic (29.10.)	-	-	-	-
Denmark (28.10.)	-	-	-	-
Estonia (23.10.)	-	11	-	-
Finland (29.10.)	-	-	-	-
France (25.10.)	99	447	36	73
Germany (21.10.)	-	-	-	-
Greece (29.10.)	-	-	-	-
Hungary (25.10.)	-	64	-	-
Iceland (29.10.)	-	100	14	-
Ireland (25.10.)	-	438	-	38
Italy (18.10)	-	1494	-	-
Latvia (13.08.)	-	1	-	-
Liechtenstein (25.10.)	-	-	-	-
Lithuania (13.08.)	-	-	-	-
Luxembourg (21.10.)	-	-	0	0
Malta (04.09.)	-	46	-	1
Netherlands (30.10.)	131	335	7	39
Norway (28.10.)	18	144	3	27
Poland (29.10.)	-	-	-	-
Portugal (28.10.)	47	-	4	-
Romania (26.10)	-	-	-	-
Slovakia (12.08.)	2	33	0	0
Slovenia (10.08.)	-	-	-	-
Spain (29.10.)	-	-	-	-
Sweden (25.10.)	26	174	-	-
Switzerland (25.10.)	3	27	-	-
United Kingdom ^a (29.10.)	751	-	157	-

Note: Data for the EU and EFTA countries correspond to the Ministry of Health or surveillance centre websites. New updates are shaded in yellow. (-) denotes no information readily available in official sources.

^aData includes all probable cases for England only. Does not include Scotland (580 cumulative hospitalisations), Wales (192) and Northern Ireland (437).

Table 2. Reported number of new and cumulative confirmed fatal Pandemic (H1N1) 2009 influenza cases in EU and EFTA countries, as 02 November 2009, 09:00 hours CEST, and in the rest of the world by country, as of 01 November 2009, 16:00 hours CEST.

Country	Number of new fatal cases since previous national update	Cumulative number of fatal cases
EU AND EFTA COUNTRIES		
Belgium	-	7
Bulgaria	-	2
Czech Republic	-	1
Finland	-	1
France	-	44 ^a
Germany	2	5
Greece	-	3
Hungary	-	4
Iceland	-	1
Ireland	-	10
Italy	-	4
Luxembourg	-	1
Malta	-	5
Netherlands	4	10
Norway	-	13
Portugal	-	4
Spain	9	63
Sweden	-	2
United Kingdom	-	137
Total	15	317
OTHER EUROPEAN COUNTRIES & CENTRAL ASIA		
Serbia	-	1
Moldova	-	1
Russia	-	5
Total	-	7
MEDITERRANEAN AND MIDDLE-EAST		
Bahrain	-	6
Egypt	1	4
Iran	-	22
Iraq	-	4
Israel	-	35
Jordan	-	4
Kuwait	3	16
Lebanon	-	3

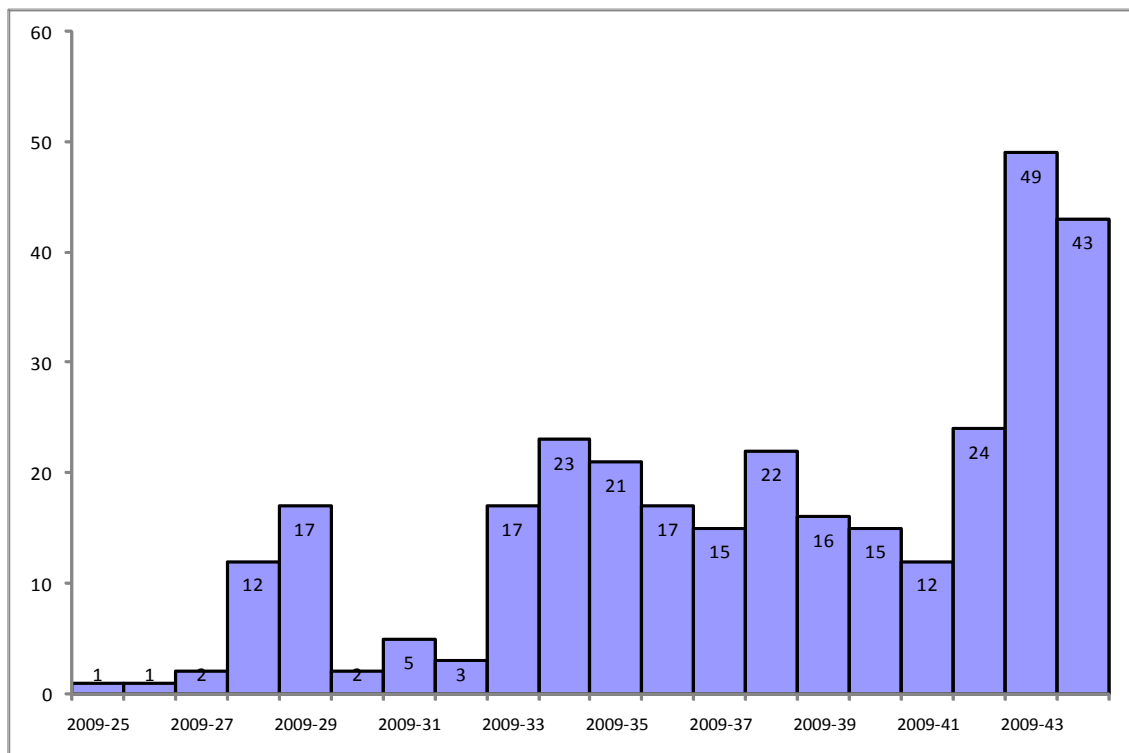
Occupied Palestinian Territory	-	1
Oman	-	24
Qatar	1	4
Saudi Arabia	23	62
Syria	1	7
Turkey	2	3
United Arab Emirates	-	6
Yemen	-	16
Total	31	217
AFRICA		
Ghana	-	1
Madagascar	-	1
Mauritius	-	8
Mozambique	-	2
Namibia	-	1
Sao Tome & Principe	-	2
South Africa	-	91
Sudan	-	1
Tanzania	-	1
Total	-	108
NORTH AMERICA		
Canada	6	95
Mexico	26	354
USA	-	1004
Total	32	1453
CENTRAL AMERICA & CARIBBEAN		
Bahamas	-	4
Barbados	-	3
Cayman Islands	-	1
Costa Rica	-	38
Cuba	-	7
Dominican Republic	-	22
El Salvador	-	22
Guatemala	-	18
Honduras	-	16
Jamaica	-	5
Nicaragua	-	11
Panama	-	11
Saint Kitts and Nevis	-	1
Suriname	-	2

Trinidad-Tobago	-	5
Total	-	166
SOUTH AMERICA		
Argentina	8	593
Bolivia	-	56
Brazil	-	1368
Chile	-	136
Colombia	-	131
Ecuador	-	75
Paraguay	-	52
Peru	-	162
Uruguay	-	33
Venezuela	-	95
Total	8	2701
NORTH-EAST & SOUTH ASIA		
Afghanistan	-	1
Bangladesh	-	6
China (Mainland)	-	4
Hong Kong SAR China	-	37
India	15	472
Japan	-	27
Macao SAR China	-	2
Mongolia	-	4
South Korea	1	34
Taiwan	-	27
Total	16	614
SOUTH-EAST ASIA		
Brunei Darussalam	-	1
Cambodia	-	4
Indonesia	-	10
Laos Peoples Democratic Republic	-	1
Malaysia	-	77
Philippines	-	30
Singapore	-	18
Thailand	-	182
Vietnam	-	36
Total	-	359
AUSTRALIA & PACIFIC		
Australia	-	186
Cook Islands	-	1

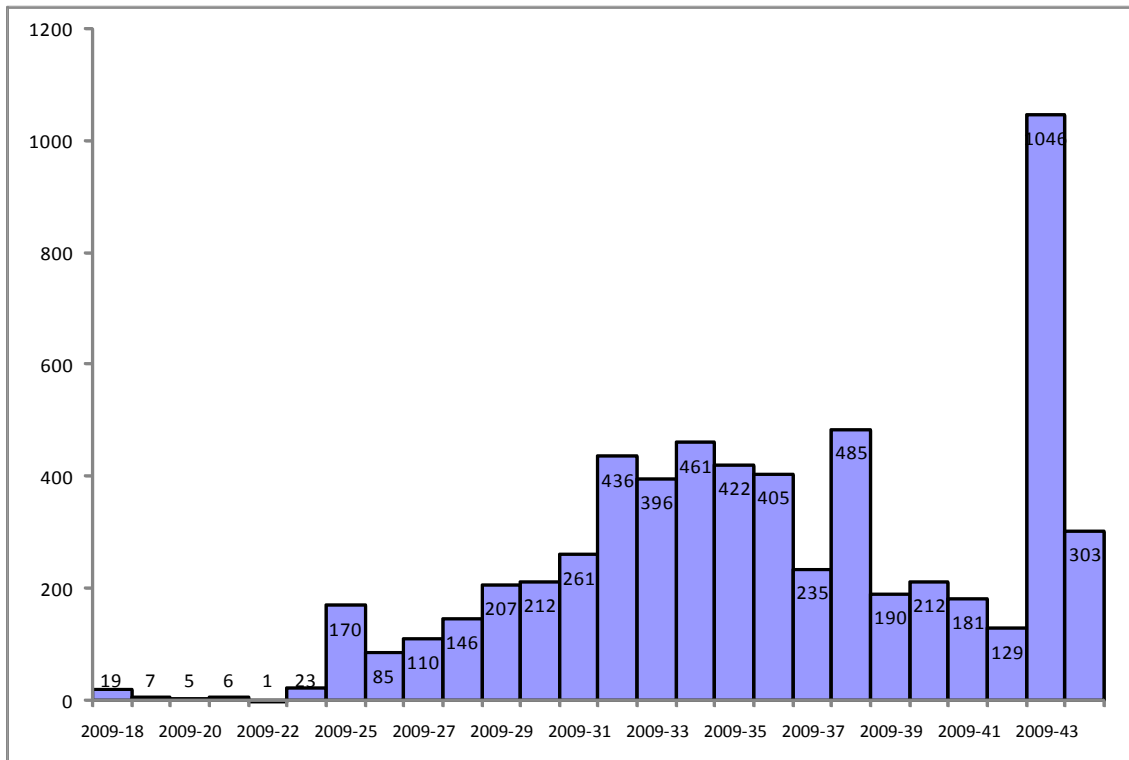
Marshall Islands	-	1
New Zealand	-	19
Samoa	-	2
Solomon Islands	-	1
Tonga	-	1
Total	-	211
TOTAL	102	6153

^a Deaths reported from France include 1 in Guyana, 9 in New Caledonia, 7 in the French Polynesia, 6 in the Reunion, 1 in Martinique, 2 in Mayotte, 1 in Guadeloupe and 17 in mainland France.

Figure 1: Number of confirmed deaths among pandemic (H1N1) 2009 influenza cases by week of notification. EU and EFTA countries (upper panel, week 25 to week 44, 2009) and world (lower panel^{a,b}, week 18 to week 44, 2009).



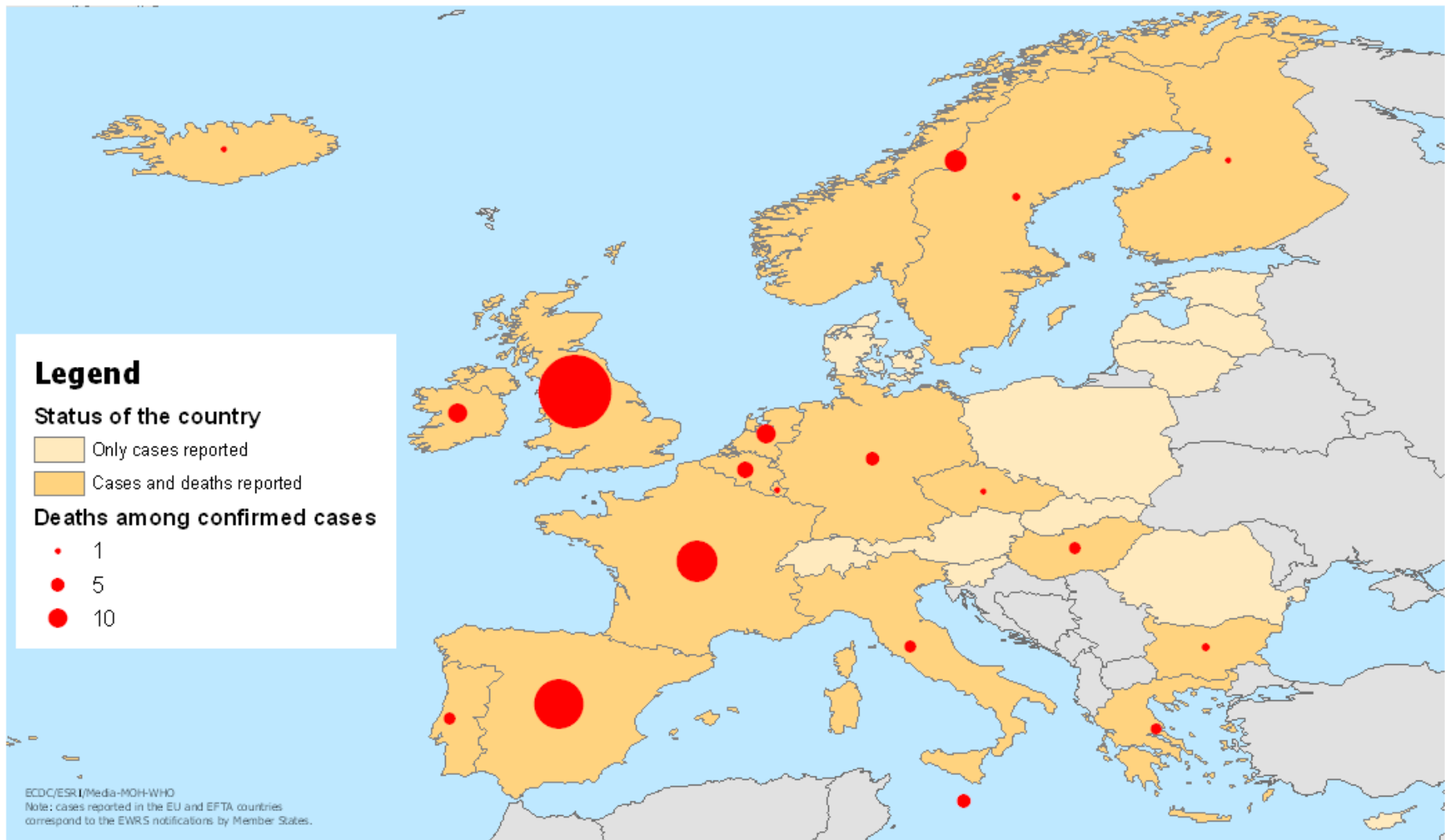
Notification week



Notification week

^a The apparent increase in the number of deaths in week 43 is due to the aggregate reporting of fatal cases from Brazil from weeks 37 to 40 and to our batch report of US fatal cases since August 1st.

Reported cumulative number of confirmed fatal cases of influenza A(H1N1)v in EU and EFTA countries, as of 02 November 2009, 09:00 hours CEST



Reported cumulative number of confirmed fatal cases of influenza A(H1N1)v and country reporting status by country, as of 01 November 2009, 16:00 hours CEST

