



ECDC DAILY UPDATE

Pandemic (H1N1) 2009

Update 24 November 2009,
09:00 hours CEST

Main developments in past 24 hours

- Updates from U.S.A. and Canada included;
- Total of 690 fatal cases in Europe and EFTA countries and 7 170 in the rest of the world have been reported up to date.

This report is based on official information provided by national public health websites or through other official communication channels. An update on the number of confirmed fatal cases is presented in Table 2 - as of 23 November 2009 - 16:00 hours CEST, for the world, and 24 November 2009 - 09:00 hours CEST, for Europe.

Updates from U.S.A. and Canada

From U.S. Centers for Disease Control and Prevention weekly influenza surveillance report:

Week 45 (8-14 November 2009)

- Influenza activity decreased slightly in the U.S.
- 3,106 (28.8%) specimens tested and reported to CDC/Influenza Division were positive for influenza.
- Over 99% of all subtyped influenza A viruses being reported to CDC were 2009 influenza A (H1N1) viruses.
- The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold for the seventh consecutive week.
- Twenty-one influenza-associated pediatric deaths were reported. Fifteen of these deaths were associated with 2009 influenza A (H1N1) virus infection, and six were associated with influenza A virus for which the subtype was undetermined.
- The proportion of outpatient visits for influenza-like illness (ILI) was 5.5% which is above the national baseline of 2.3%.
- Forty-three states reported geographically widespread influenza activity, Puerto Rico and seven states reported regional influenza activity, the District of Columbia reported local influenza activity, and Guam and the U.S. Virgin Islands reported sporadic influenza activity.
- Because of the U.S. Thanksgiving holiday, the week 46 report will be released on Monday, 30 November 2009.

Other news:

- Four patients at Duke University Medical Center in Durham, N.C., who developed influenza in October, were found to have oseltamivir resistant Pandemic Influenza A(H1N1)v. The cluster was detected when the patients did not respond to oseltamivir treatment. Three of the four patients have died.

For more information:

U.S. Centers for Disease Control and Prevention "What's New on the H1N1 Flu Site" :

<http://www.cdc.gov/h1n1flu/whatsnew.htm>

U.S. Centers for Disease Control and Prevention Weekly Influenza Surveillance Report: <http://www.cdc.gov/flu/weekly/>

Overview of Influenza Surveillance in the United States: <http://www.cdc.gov/flu/weekly/pdf/overview.pdf>

From the Public Health Agency of Canada:

- The activity level remained similar to the previous week.
- The Pandemic (H1N1) 2009 strain accounted for nearly 100% of the positive influenza A subtyped specimens this week.
- The ILI consultation rate was 91 consultations per 1,000 patient visits which was lower for a second consecutive week.
- The intensity in the population was high with 1,674 hospitalizations, 261 ICU admissions and 84 deaths reported. Numbers of new deaths were more than two times higher than previous week.
- 184 laboratory-confirmed influenza-associated paediatric hospitalizations and 1 death were reported through the Immunisation Monitoring Program Active (IMPACT) network.
- The number of hospitalizations and deaths increased, but the proportion of positive influenza tests was comparable and the national ILI consultation rate and the number of influenza outbreaks reported decreased.

Other news:

- Public Health Canada (PHAC) is investigating a greater rate of anaphylaxis after immunisation with a specific lot of pandemic influenza vaccine (Arepanrix, Lot Number A80CA007A, only used in Canada) than with other lots of the same vaccine. GlaxoSmithKline, which produces the vaccine, notified all consignees to immediately stop the vaccination program with this lot and to put this lot under quarantine pending the outcome of the investigation.

For more information:

Public Health Agency of Canada: <http://www.phac-aspc.gc.ca/influenza/>

Public Health Agency of Canada FluWatch: http://www.phac-aspc.gc.ca/fluwatch/09-10/w44_09/index-eng.php

Epidemiologic update

All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. A total of 690 deaths have been reported since April 2009 (Table 2). Since week 41 the numbers of deaths each has shown a steady increase almost doubling every fortnight over the last six weeks. While the most deaths have to date been in Western Europe there are increasing numbers of deaths being reported from Central and Eastern Europe. Latest new and confirmed fatal pandemic (H1N1) cases outside the EU/EFTA area are presented in Table 2 as well. Available updates on hospital admissions, per Member State, can be found in Table 1.

Table 1: Reported number of confirmed Pandemic (H1N1) 2009 influenza cases admitted to hospitals and intensive care, by country, as of 24 November 2009, 09:00 hours (CEST) in 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 (18.11.)	-	-	-	-
Belgium (19.11.)	-	-	-	-
Bulgaria (08.11)	-	-	-	-
Cyprus(01.11)	-	-	-	4
Czech Republic (19.11.)	-	-	-	-
Denmark (18.11.)	-	-	-	-
Estonia (20.11.)	-	-	-	-
Finland (20.11.)	-	-	-	-
France (19.11.)	-	-	81	245
Germany (20.11.)	-	-	-	-
Greece (18.11.)	-	-	-	-
Hungary (18.11.)	2	-	-	-
Iceland (11.11.)	31	170	7	19
Ireland (18.11.)	182	857	20	72
Italy (23.11)	-	496	-	248
Latvia (21.11.)	-	-	-	-
Liechtenstein (18.11.)	-	-	-	-
Lithuania (04.11.)	-	-	-	-
Luxembourg (16.11.)	-	-	0	0
Malta (04.09.)	-	46	-	1
Netherlands (20.11.)	359	1270	38	134
Norway (18.11.)	89	916	24	108
Poland (23.11.)	-	-	-	-
Portugal (18.11.)	164	-	18	-
Romania (23.11)	10	-	5	-
Slovakia (19.11.)	6	39	0	0
Slovenia (10.08.)	-	-	-	-
Spain (19.11.)	-	-	-	-
Sweden (19.11.)	167	570	-	-
Switzerland (18.11.)	13	84	-	16
United Kingdom ^a (19.11.)	783	-	180	-

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

^aData includes all probable cases for England only. Does not include Scotland (969 cumulative hospitalisations), Wales (377) and Northern Ireland (545).

Table 2. Reported number of new and cumulative confirmed fatal Pandemic (H1N1) 2009 influenza cases in EU and EFTA countries, as 24 November 2009, 09:00 hours CEST, and in the rest of the world by country, as of 23 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		
Austria	-	3
Belgium	-	12
Bulgaria	-	5
Czech Republic	1	3
Denmark	1	3
Finland	-	12
France	-	84 ^a
Germany	4	34
Greece	-	8
Hungary	-	7
Iceland	-	1
Ireland	-	16
Italy	6	76
Latvia	-	1
Lithuania	-	1
Luxembourg	-	2
Malta	-	3
Netherlands	-	28
Norway	-	23
Poland	4	9
Portugal	3	14
Romania	1	1
Slovakia	-	1
Spain	-	115
Sweden	-	11
Switzerland	-	1
United Kingdom	-	216
Total	20	690
OTHER EUROPEAN COUNTRIES & CENTRAL ASIA		
Azerbaijan	-	2
Belarus	13	20
Bosnia and Herzegovina	-	1
Croatia	-	5
Former Yugoslav Republic of Macedonia	-	1
Kosovo	-	2

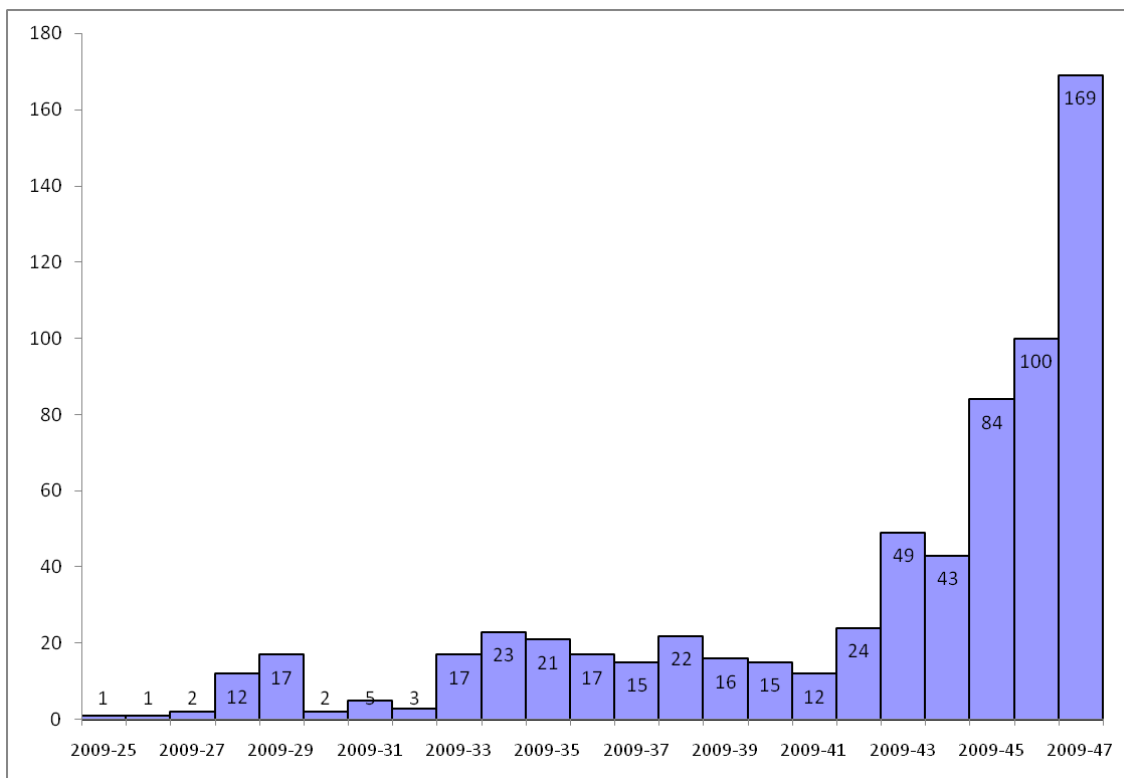
Moldova	-	8
Russia	-	19
Serbia	-	16
Ukraine	-	15
Total	13	89
MEDITERRANEAN AND MIDDLE-EAST		
Bahrain	-	7
Egypt	1	11
Iran	-	100
Iraq	1	10
Israel	3	51
Jordan	-	11
Kuwait	1	27
Lebanon	-	3
Morocco	-	1
Occupied Palestinian Territory	2	9
Oman	-	27
Qatar	-	7
Saudi Arabia	11	81
Syria	28	50
Tunisia	-	2
Turkey	-	93
United Arab Emirates	-	6
Yemen	4	22
Total	51	518
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	-	250
Mexico	-	573
USA	142	1265

Total	142	2088
CENTRAL AMERICA & CARIBBEAN		
Bahamas	-	4
Barbados	-	3
Cayman Islands	-	1
Costa Rica	2	40
Cuba	-	7
Dominican Republic	-	22
El Salvador	-	26
Guatemala	-	18
Honduras	-	16
Jamaica	-	6
Nicaragua	-	11
Panama	-	11
Saint Kitts and Nevis	-	1
Saint Lucia	-	1
Suriname	-	2
Trinidad-Tobago	-	5
Total	2	174
SOUTH AMERICA		
Argentina	-	600
Bolivia	-	57
Brazil	-	1368
Chile	-	140
Colombia	-	151
Ecuador	-	82
Paraguay	-	52
Peru	-	190
Uruguay	-	33
Venezuela	-	107
Total	-	2780
NORTH-EAST & SOUTH ASIA		
Afghanistan	-	14
Bangladesh	-	6
China (Mainland)	-	53
Hong Kong SAR China	-	40
India	-	553
Japan	-	28
Macao SAR China	-	2
Maldives	-	1

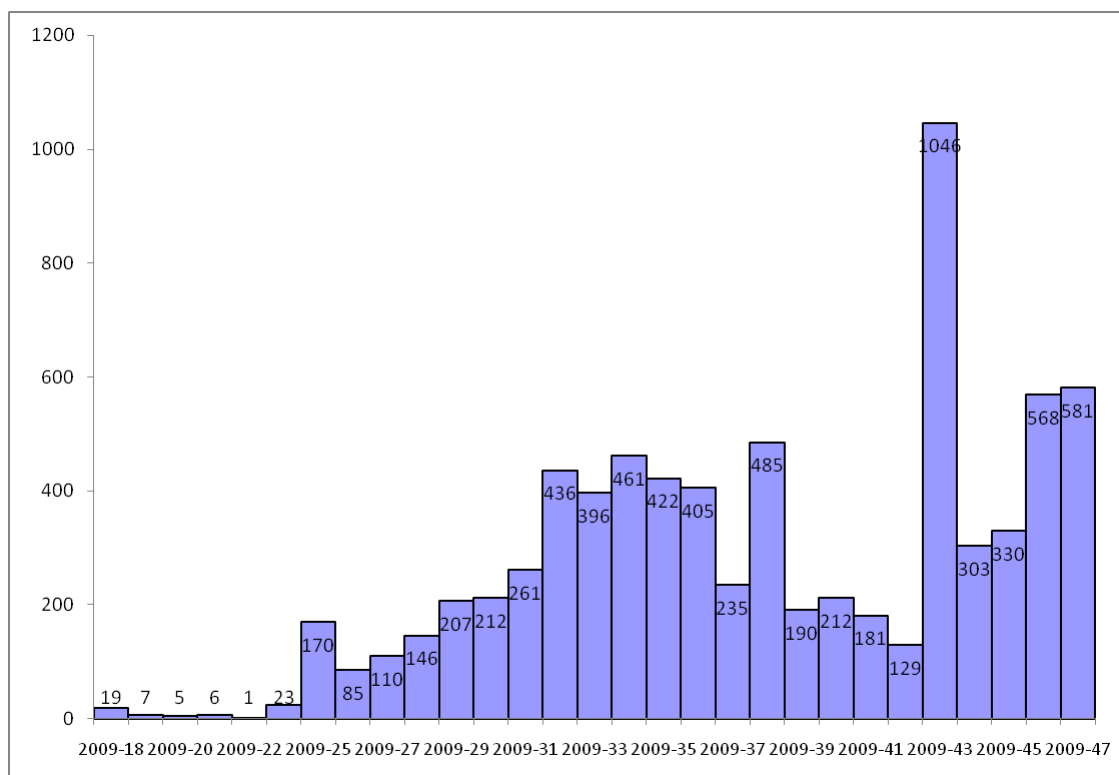
Mongolia	-	17
Pakistan	-	1
South Korea	-	82
Sri Lanka	-	5
Taiwan	-	29
Total	-	831
SOUTH-EAST ASIA		
Brunei Darussalam	-	1
Cambodia	-	4
Indonesia	-	10
Laos Peoples Democratic Republic	-	1
Malaysia	-	77
Philippines	-	30
Singapore	-	18
Thailand	-	185
Vietnam	-	41
Total	-	367
AUSTRALIA & PACIFIC		
Australia	-	189
Cook Islands	-	1
Marshall Islands	-	1
New Zealand	-	20
Samoa	-	2
Solomon Islands	-	1
Tonga	-	1
Total	-	215
TOTAL	228	7860

^a Deaths reported from France include 1 in Guyana, 9 in New Caledonia, 7 in the French Polynesia, 7 in the Reunion, 1 in Martinique, 2 in Mayotte, 1 in Guadeloupe and 56 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 47, 2009) and world (lower panel^a, week 18 to week 47, 2009).



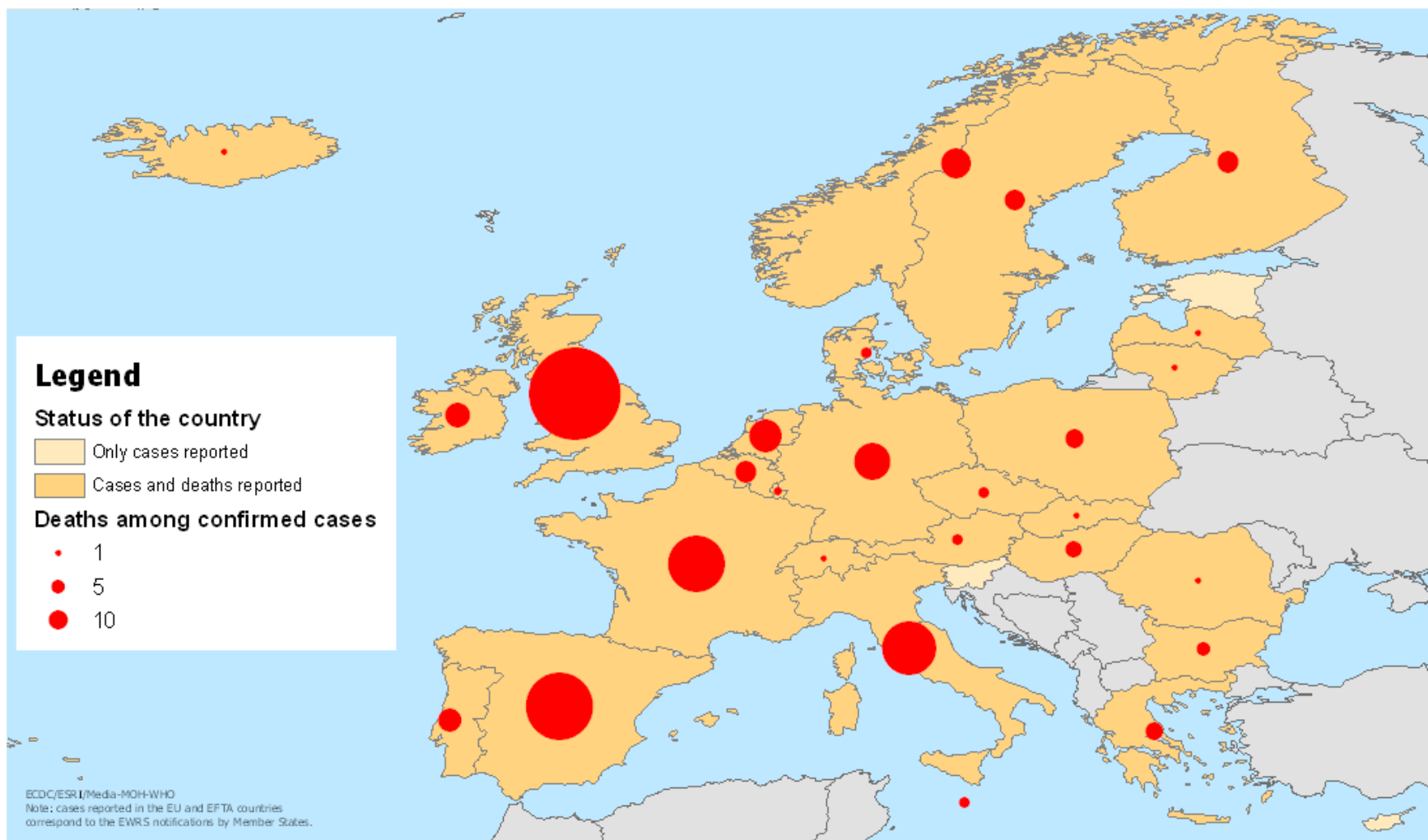
Notification Week



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 24 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 23 November 2009, 16:00 hours CEST

