



ECDC DAILY UPDATE

Pandemic (H1N1) 2009

Update 03 December 2009,
09:00 hours CEST

Main developments in past 24 hours

- A total of 947 fatal cases in Europe and EFTA countries and 8 377 in the rest of the world have been reported up to date.
- WHO update: Oseltamivir resistance in immunocompromised hospital patients

This report is based on official information provided by national public health websites or through other official communication channels. Reported number of confirmed Pandemic (H1N1) 2009 influenza cases admitted to hospitals and intensive care, by country, as of 03 December 2009, 09:00 hours (CEST) in EU and EFTA countries are in Table 1. An update on the number of confirmed fatal cases is presented in Table 2 - as of 02 December 2009 - 16:00 hours CEST, for the world, and 03 December 2009 - 09:00 hours CEST, for Europe.

WHO Updates

Oseltamivir resistance in immunocompromised hospital patients

The WHO released its Pandemic (H1N1) 2009 briefing note 18, commenting on the recent reports on Oseltamivir resistance among immunocompromised individuals. The agency modifies the treatment recommendations regarding this group of individuals and reaffirms its recommendations for resistance monitoring and vaccination of health care staff, carers and family contacts of patients against pandemic influenza.

More information available at: http://www.who.int/csr/disease/swineflu/notes/briefing_20091202/en/index.html

Epidemiologic update

All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. A total of 947 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, although there was only a 6% increase in week 47, compared to the previous week. 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 03 December 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 (26.11.)	-	-	-	-
Bulgaria (22.11)	-	-	-	-
Cyprus(23.11)	-	-	-	6
Czech Republic (26.11.)	-	-	-	-
Denmark (02.12.)	-	-	-	-
Estonia (25.11.)	-	-	-	-
Finland (02.12.)	7	-	6	-
France (30.11.)	-	461	137	-
Germany (01.12.)	-	-	-	-
Greece (02.12.)	-	-	-	-
Hungary (22.11.)	-	-	-	-
Iceland (26.11.)	5	180	1	20
Ireland (25.11.)	211	941	18	77
Italy (02.12)	-	674	-	353
Latvia (25.11.)	-	-	-	-
Liechtenstein (26.11.)	-	-	-	-
Lithuania (04.11.)	-	-	-	-
Luxembourg (16.11.)	-	-	0	0
Malta (04.09.)	-	46	-	1
Netherlands (27.11.)	289	1587	29	167
Norway (02.12.)	37	1206	19	151
Poland (30.11.)	-	-	-	-
Portugal (25.11.)	148	-	20	-
Romania (23.11)	10	-	5	-
Slovakia (02.12.)	38	81	8	31
Slovenia (10.08.)	-	-	-	-
Spain (26.11.)	-	-	-	-
Sweden (22.11.)	206	836	-	-
Switzerland (26.11.)	23	127	-	30
United Kingdom ^a (26.11.)	753	-	154	-

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 (1104 cumulative hospitalisations), Wales (411) and Northern Ireland (558).

Table 2. Reported number of new and cumulative confirmed fatal Pandemic (H1N1) 2009 influenza cases in EU and EFTA countries, as 03 December 2009, 09:00 hours CEST, and in the rest of the world by country, as of 02 December 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	-	13
Bulgaria	-	5
Czech Republic	12	20
Denmark	3	9
Estonia	-	1
Finland	1	17
France	-	114 ^a
Germany	5	61
Greece	9	21
Hungary	-	8
Iceland	-	2
Ireland	-	17
Italy	12	107
Latvia	1	9
Lithuania	1	6
Luxembourg	-	2
Malta	-	3
Netherlands	-	36
Norway	-	25
Poland	-	24
Portugal	2	23
Romania	2	5
Slovakia	-	1
Slovenia	-	7
Spain	-	135
Sweden	-	15
Switzerland	-	3
United Kingdom	-	250
Total	48	947
OTHER EUROPEAN COUNTRIES & CENTRAL ASIA		
Azerbaijan	-	2
Belarus	-	20
Bosnia and Herzegovina	2	3
Croatia	8	19

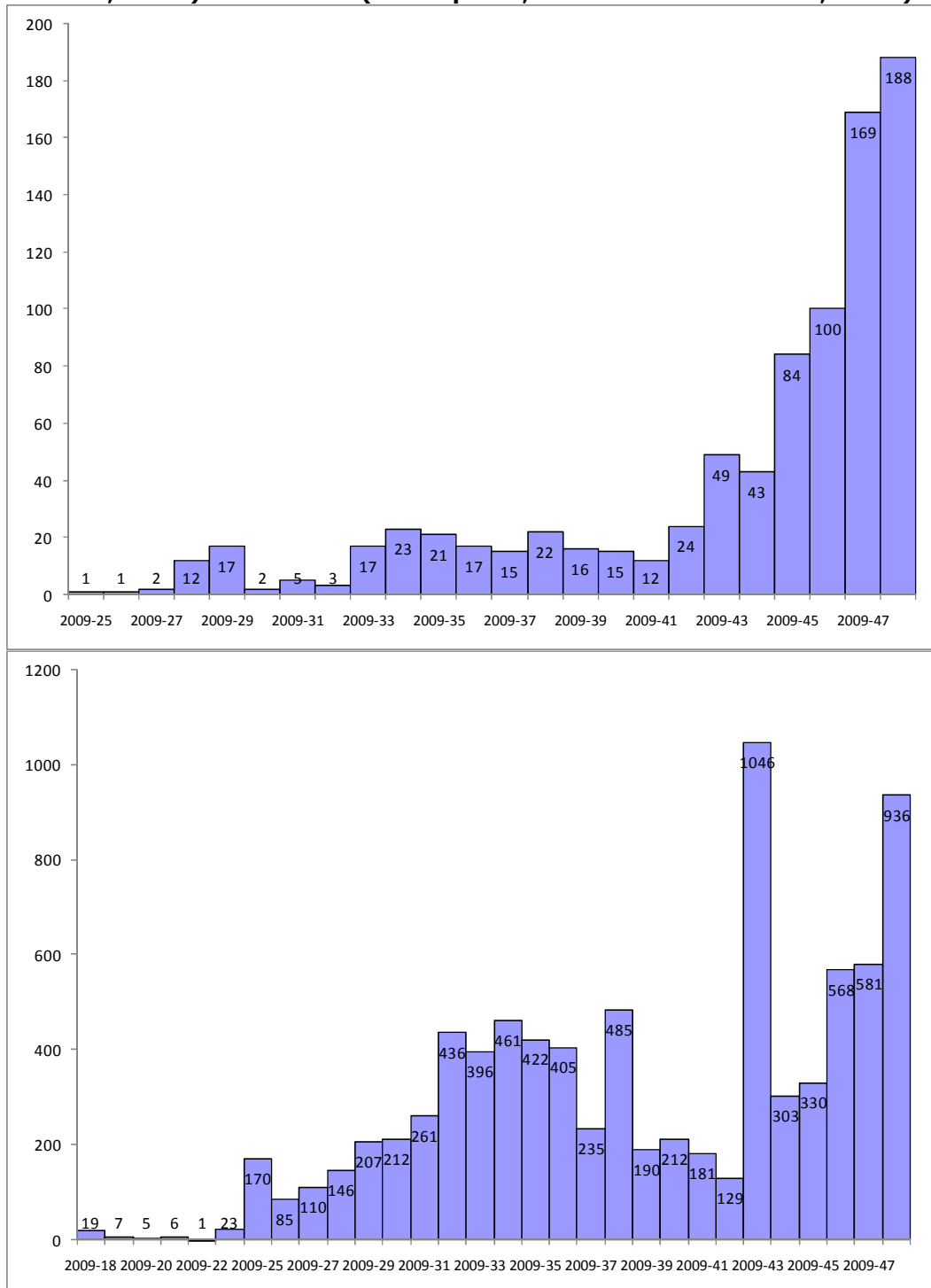
Former Yugoslav Republic of Macedonia	-	4
Kosovo	-	7
Moldova	1	13
Russia	-	19
Serbia	-	22
Ukraine	-	18
Total	11	150
MEDITERRANEAN AND MIDDLE-EAST		
Algeria	1	4
Bahrain	-	7
Egypt	-	21
Iran	-	140
Iraq	-	15
Israel	-	63
Jordan	-	14
Kuwait	-	27
Lebanon	-	3
Libya	-	1
Morocco	-	4
Occupied Palestinian Territory	-	9
Oman	-	27
Qatar	-	8
Saudi Arabia	-	81
Syria	-	50
Tunisia	-	2
Turkey	-	195
United Arab Emirates	-	6
Yemen	-	22
Total	1	699
AFRICA		
Ghana	-	1
Madagascar	1	2
Mauritius	-	8
Mozambique	-	2
Namibia	-	1
Sao Tome & Principe	-	2
South Africa	-	92
Sudan	-	1
Tanzania	-	1
Total	1	110

NORTH AMERICA		
Canada	20	329
Mexico	-	656
USA	377	1642
Total	397	2627
CENTRAL AMERICA & CARIBBEAN		
Bahamas	-	4
Barbados	-	3
Cayman Islands	-	1
Costa Rica	-	40
Cuba	13	20
Dominican Republic	1	23
El Salvador	-	27
Guatemala	-	18
Honduras	-	16
Jamaica	-	6
Nicaragua	-	11
Panama	-	11
Saint Kitts and Nevis	-	1
Saint Lucia	-	1
Suriname	-	2
Trinidad-Tobago	-	5
Total	14	189
SOUTH AMERICA		
Argentina	-	613
Bolivia	-	58
Brazil	-	1528
Chile	-	148
Colombia	3	163
Ecuador	6	88
Paraguay	-	52
Peru	10	200
Uruguay	-	33
Venezuela	-	114
Total	19	2997
NORTH-EAST & SOUTH ASIA		
Afghanistan	-	16
Bangladesh	-	6
China (Mainland)	74	178
Hong Kong SAR China	-	41

India	4	579
Japan	-	28
Macao SAR China	-	2
Maldives	-	1
Mongolia	6	24
Pakistan	-	1
South Korea	-	104
Sri Lanka	-	5
Taiwan	-	30
Total	84	1015
SOUTH-EAST ASIA		
Brunei Darussalam	-	1
Cambodia	-	5
Indonesia	-	10
Laos Peoples Democratic Republic	-	1
Malaysia	-	77
Philippines	-	30
Singapore	-	19
Thailand	-	187
Vietnam	-	44
Total	-	374
AUSTRALIA & PACIFIC		
Australia	-	190
Cook Islands	-	1
Marshall Islands	-	1
New Zealand	-	20
Samoa	-	2
Solomon Islands	-	1
Tonga	-	1
Total	-	216
TOTAL	575	9324

^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 86 in mainland France.

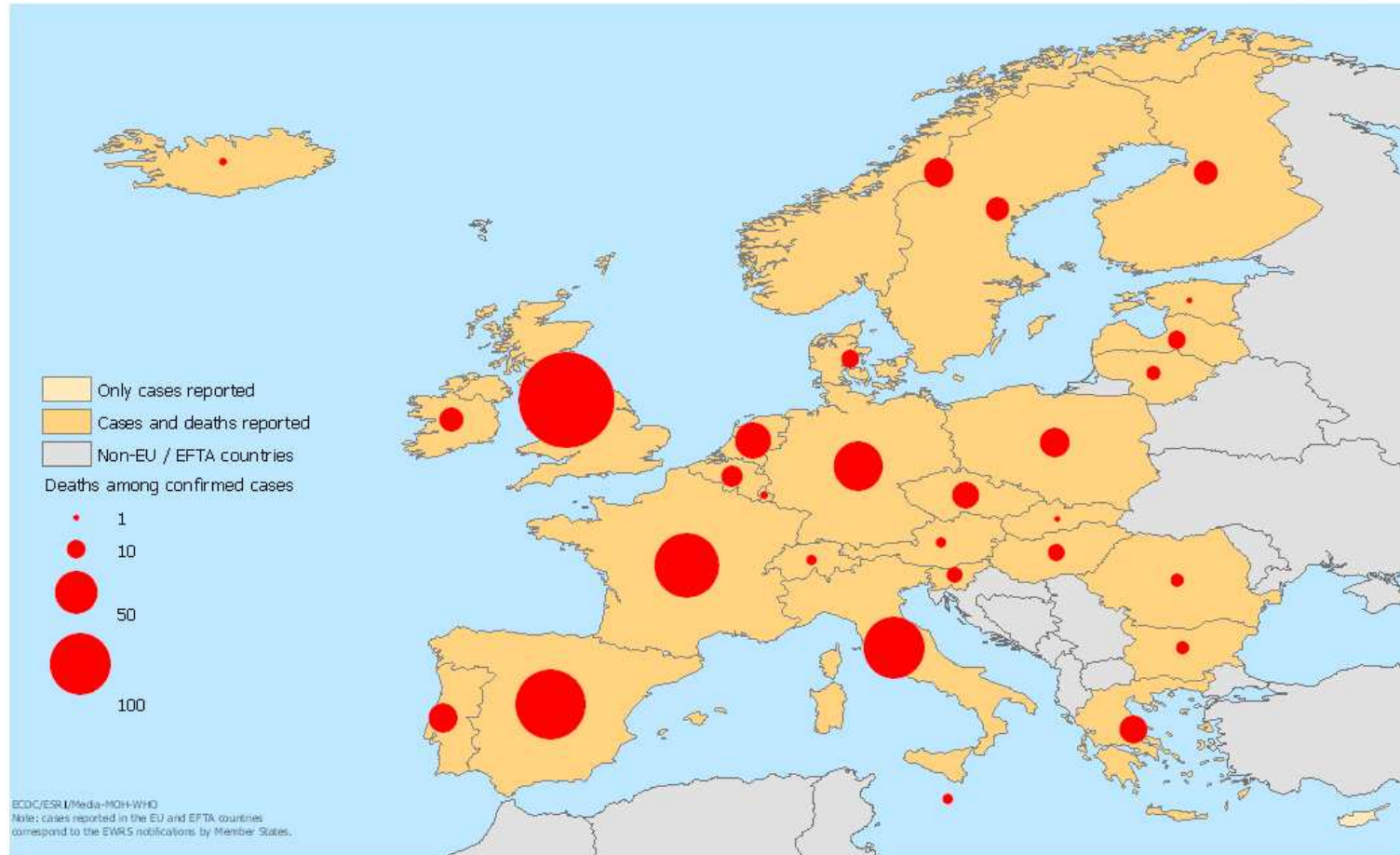
Figure 1: Number of confirmed deaths among pandemic (H1N1) 2009 influenza cases by week of notification. EU and EFTA countries (upper panel, week 25 to week 48, 2009) and world (lower panel^a, week 18 to week 48, 2009).



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 03 December 2009, 9.00 CEST



Reported cumulative number of confirmed fatal cases of influenza A(H1N1)v and country reporting status by country, as of 02 December 2009, 16.00 CEST

