

ECDC DAILY UPDATE

Pandemic (H1N1) 2009

Update 16 September 2009,
17:00 hours CEST

Main developments in past 24 hours

- ECDC issues revised planning assumptions for A(H1N1) 2009 pandemic in Europe;
- EC communication on Pandemic (H1N1) 2009 published;
- US FDA approves pandemic vaccines;
- Study results on influenza A(H1N1) viral shedding presented;
- A study result on respiratory protection among health care workers presented;
- 221 new cases reported in the EU and EFTA countries, reaching a total of 51 113 cases.

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 cases as of 16 September 2009, 16:00 hours CEST, is presented in Table 1 and Table 2.

***Disclaimer:** Several countries have now announced recommendations on treatment on clinical signs only and focused laboratory testing only for specific population groups or in outbreaks. For these countries, the reported numbers of cases presented in this report will severely underestimate the true incidence in the country and will not be comparable to countries still recommending laboratory tests of all suspected influenza cases.*

Public Health Developments

Using reviews planning assumptions from the most affected country in Europe (the UK) ECDC has revised its recommended planning assumptions for European countries and extended these out to May 2010, i.e. for the first year of the pandemic. These scale down the assumptions generally from ones issued in July and for the first time include a recommended estimate of the intensive care capacity which countries might use. There is also an ECDC comment.

The full review is available at:

<http://ecdc.europa.eu/en/activities/sciadvise/Lists/ECDC%20Reviews/DispForm.aspx?ID=650>

Epidemiologic update

All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. Since April 2009, a total of 51 113 confirmed cases and 137 deaths have been reported (Table 1). In the past 24 hours, 221 cases were reported from the EU and EFTA countries. No new fatal cases were reported.

The latest available updates on hospital admissions per Member State are presented in Table 2.

The latest available updates on new and on confirmed fatal pandemic (H1N1) cases outside of the EU/EFTA area by country are presented in Table 3.

Other updates

EC communication published

The European Commission (EC) published a Communication on the Pandemic (H1N1) 2009 outlining five key strategy strands on response; Joint procurement of vaccines, Support to third countries, Vaccination strategies, Regulatory process for antiviral medicines and vaccines and Communication.

The full communication and attachments are available at:

http://ec.europa.eu/health/ph_threats/com/Influenza/novelflu_en.htm

US FDA approves pandemic vaccines

US Food and Drugs Administration (FDA) approved the intramuscular pandemic vaccines produced by CSL Limited, Novartis, and Sanofi Pasteur and the nasal spray vaccine of Medimmune. The Novartis, Sanofi, and MedImmune vaccines are approved for both adults and children, while the CSL vaccine is indicated only for adults. Clinical trials indicate that one 15-microgram dose is sufficient to produce immune response in adults, while two doses are required for children.

More information available through the FDA website:

<http://www.fda.gov/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm181950.htm>

Influenza A(H1N1)v shedding studies presented

According to media, results of two unpublished studies presented at the Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) in San Francisco indicate that a proportion of H1N1 patients shed virus for longer than 7 days. US CDC and experts do not expect these results to change self-isolation recommendations.

Study on respiratory protection for healthcare workers presented

In another unpublished study presented at the ISAAC, results of a 5-week trial of surgical masks vs. N95 respirators among 1 936 healthcare workers in China were shown. According to this study, N95 masks (with or without fit-testing) provide protection against influenza and other respiratory viruses, while surgical masks were ineffective.

Table 1: Reported new confirmed cases and cumulative number of Pandemic (H1N1) 2009 influenza and cumulative deaths among confirmed cases by country as of 16 September 2009, 16:00 hours (CEST) in the EU and EFTA countries

Country (date of report)	Confirmed cases reported in the last 24h	Cumulative number of confirmed cases	Deaths among confirmed cases ^a
Austria (10.9.)	-	347	-
Belgium (30.7.)	-	126	1
Bulgaria (11.9.)	-	68	-
Cyprus (14.7.)	-	297	-
Czech Republic (14.9.)	4	281	-
Denmark (09.9.)	-	598	-
Estonia (14.9.)	-	67	-
Finland (15.9.)	-	244	-
France ^b (10.9.)	-	1125	20 ^e
Germany (16.9.)	211	18537	-
Greece (15.9.)	-	1996	3
Hungary (06.9.)	-	159	1
Iceland (15.9.)	-	183	-
Ireland (06.9.)	-	831	2
Italy (06.9.)	-	2186	1
Latvia (11.9.)	-	29	-
Liechtenstein (14.9.)	-	5	-
Lithuania (08.9.)	-	51	-
Luxembourg (09.9.)	-	190	-
Malta (15.9.)	-	297	2
Netherlands ^c (27.8.)	-	1473	2
Norway (09.9.)	-	1223	2
Poland (13.9.)	-	164	-
Portugal (14.9.)	-	2825	-
Romania (16.9.)	1	331	-
Slovakia (11.9.)	-	130	-
Slovenia (10.9.)	-	235	-
Spain (10.9.)	-	1538	25
Sweden (09.9.)	-	1136	2
Switzerland (15.9.)	5	1119	-
United Kingdom ^d (10.9.)	-	13322	76
Total	221	51113	137

Note: cases reported in the EU and EFTA countries correspond to the EWRS notifications by Member States or Ministry of Health websites. *Countries shaded with gray are not recommending laboratory tests for all suspect cases, therefore comparisons in time or between these countries should not be made at present. Fatal cases are reported in the country where the death occurred.*

^a Deaths are included in the cumulative number of confirmed cases

^b Cases reported from France include those reported from the overseas territories (434).

^c Cases from the Netherlands include those reported from Aruba and the Dutch Antilles.

^d Cases reported from the United Kingdom include the number of individual cases from the following overseas territories: Anguilla, The Falklands, Gibraltar, Sovereign Base Area Cyprus, Turks and Caicos Islands (104)

^e Deaths reported from France include 7 in New Caledonia, 6 in the French Polynesia, 3 in the Reunion and 4 in mainland France.

Table 2: Reported number of confirmed Pandemic (H1N1) 2009 influenza cases admitted to hospitals and intensive care by country as of 16 September 2009, 16:00 hours (CEST) in the EU and EFTA countries

Country (date of report)	Most recent number of cases admitted in hospitals	Cumulative number of cases admitted in hospitals	Most recent number of cases admitted to intensive care	Cumulative number of cases admitted to intensive care
Austria (07.8.)	0	-	0	-
Belgium (10.9.)	-	-	-	-
Bulgaria	-	-	-	-
Cyprus	-	-	-	-
Czech Republic (14.9.)	0	-	0	-
Denmark (09.9.)	-	-	-	-
Estonia (04.9.)	0	0	0	0
Finland (03.9.)	-	-	-	-
France (08.9.)	11	129	3	5
Germany (16.9.)	-	-	-	-
Greece (14.9.)	7	45	1	12
Hungary (06.9.)	-	32	-	-
Iceland (06.9.)	0	0	0	0
Ireland (10.9.)	24	91	6	9
Italy (02.9.)	-	-	1	-
Latvia (13.8.)	-	1	-	-
Liechtenstein (15.9.)	-	-	-	-
Lithuania (13.8.)	-	-	-	-
Luxembourg (04.9.)	-	-	0	0
Malta(04.9.)	-	46	-	1
Netherlands (10.9.)	13	78	1	14
Norway (09.9.)	6	11	3	4
Poland (10.9.)	-	-	-	-
Portugal (09.9.)	13	-	-	3
Romania	-	18	-	-
Slovakia (12.8.)	2	33	0	0
Slovenia (10.8.)	-	-	-	-
Spain (20.8.)	-	-	32	91
Sweden (06.9.)	8	-	-	-
Switzerland (15.9.)	-	24	-	1
United Kingdom ^b (10.9.)	132	-	23	-

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 (130 cumulative hospitalisations), Wales (46) and Northern Ireland (78).

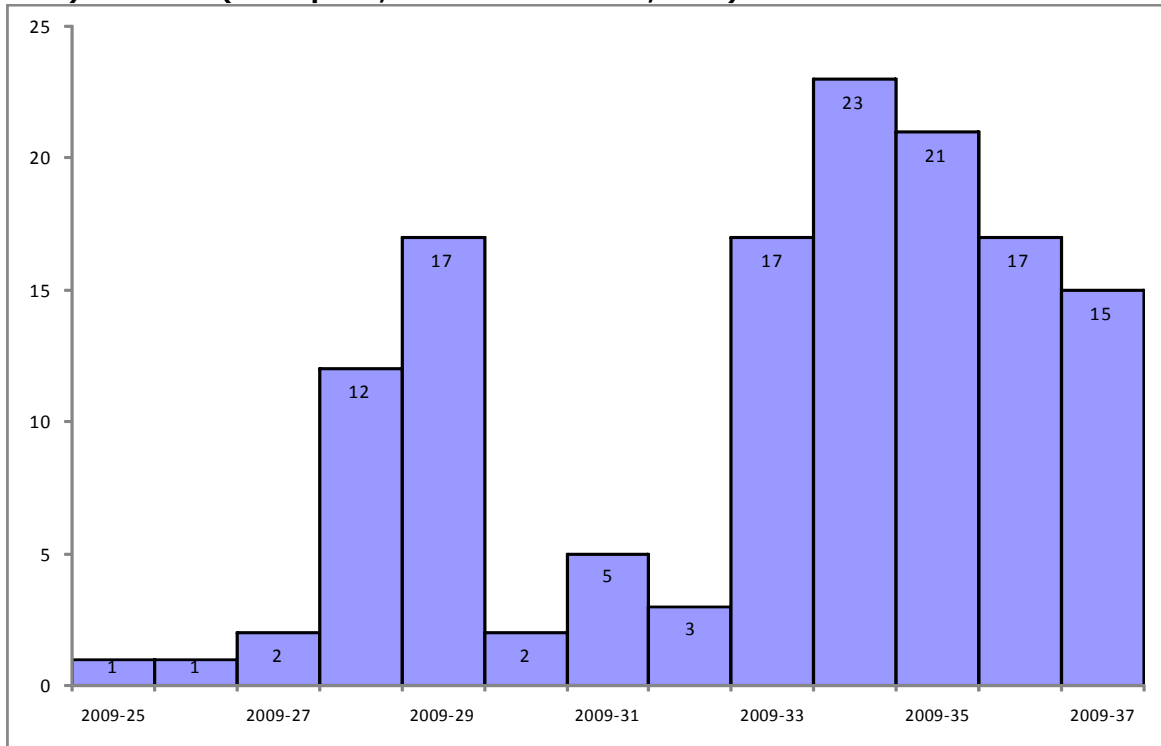
Table 3. Reported number of new and cumulative confirmed fatal Pandemic (H1N1) 2009 influenza cases by country as of 16 September 2009, 16:00 hours (CEST) outside of the EU/EFTA area

Country	Number of new fatal cases since previous national update	Cumulative number of fatal cases
OTHER EUROPEAN COUNTRIES & CENTRAL ASIA		
No deaths reported	-	-
MEDITERRANEAN AND MIDDLE-EAST		
Bahrain	-	3
Egypt	-	2
Iran	-	2
Iraq	-	1
Israel	-	22
Kuwait	2	7
Lebanon	-	2
Occupied Palestinian Territory	-	1
Oman	2	18
Qatar	-	2
Saudi Arabia	-	28
Syria	-	2
United Arab Emirates	-	6
Yemen	-	1
AFRICA		
Ghana	-	1
Madagascar	-	1
Mauritius	-	8
Mozambique	1	1
Namibia	-	1
South Africa	-	47
NORTH AMERICA		
Canada	2	76
Mexico	2	217
USA	-	593
CENTRAL AMERICA & CARIBBEAN		
Cayman Islands	-	1
Costa Rica	-	33
Dominican Republic	-	17
El Salvador	-	17
Guatemala	-	13
Honduras	-	14
Jamaica	-	4
Nicaragua	-	6

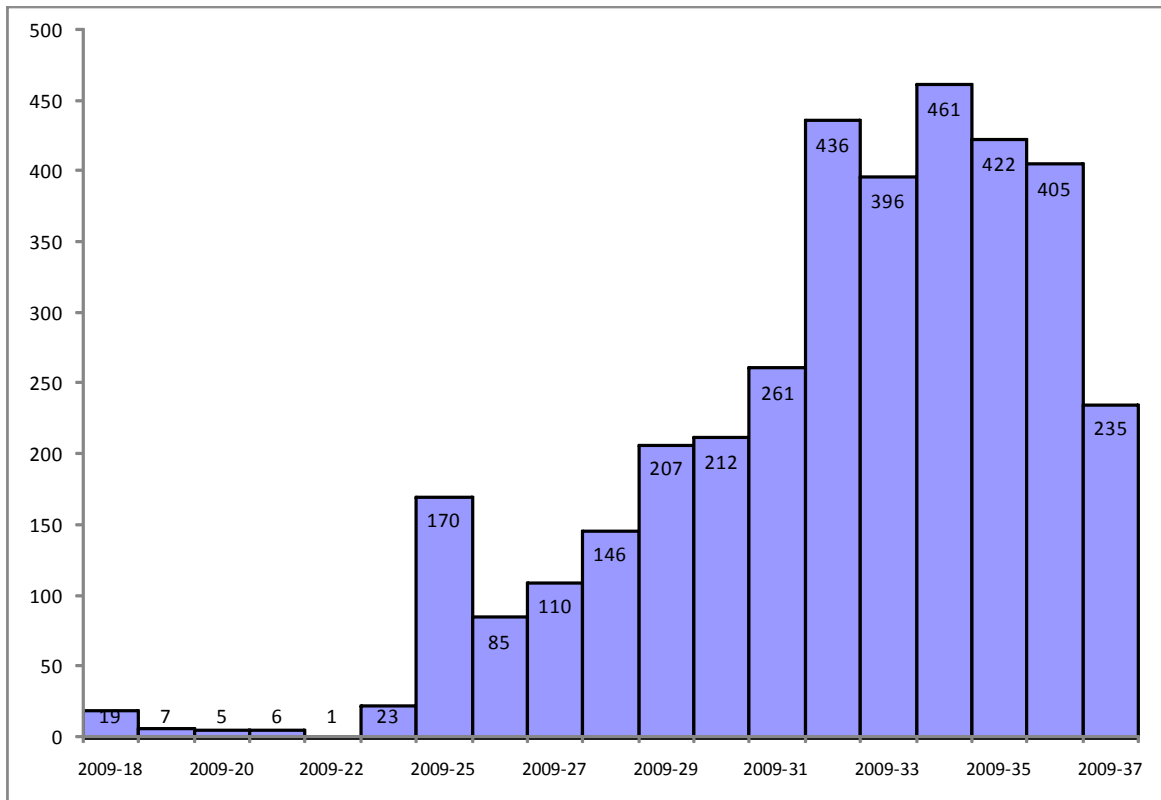
Panama	-	10
Saint Kitts and Nevis	-	1
Suriname	-	1
SOUTH AMERICA		
Argentina	-	514
Bolivia	-	35
Brazil	-	657
Chile	-	132
Colombia	20	65
Ecuador	-	55
Paraguay	-	52
Peru	-	121
Uruguay	-	33
Venezuela	-	54
NORTH-EAST & SOUTH ASIA		
Bangladesh	-	4
Hong Kong SAR China	-	13
India	12	201
Japan	-	10
Macao SAR China	-	1
South Korea	1	8
Taiwan	-	14
SOUTH-EAST ASIA		
Brunei Darussalam	-	1
Indonesia	-	10
Laos Peoples Democratic Republic	-	1
Malaysia	2	76
Philippines	-	28
Singapore	-	18
Thailand	11	153
Vietnam	-	6
AUSTRALIA & PACIFIC		
Australia	-	171
Cook Islands	-	1
Marshall Islands	-	1
New Zealand	-	17
Samoa	-	2
Tonga	-	1
TOTAL	55	3614

Note: cases reported in non-EU and EFTA countries correspond to cases published on Ministry of Health websites, or through WHO, or through credible media source quoting national authorities. Therefore, some of these cases may be taken out at a later stage if not validated. Yellow shading indicates a new update has been recorded for the country during the past 24 hours.

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 37, 2009) and world (lower panel, week 18 to week 37, 2009).

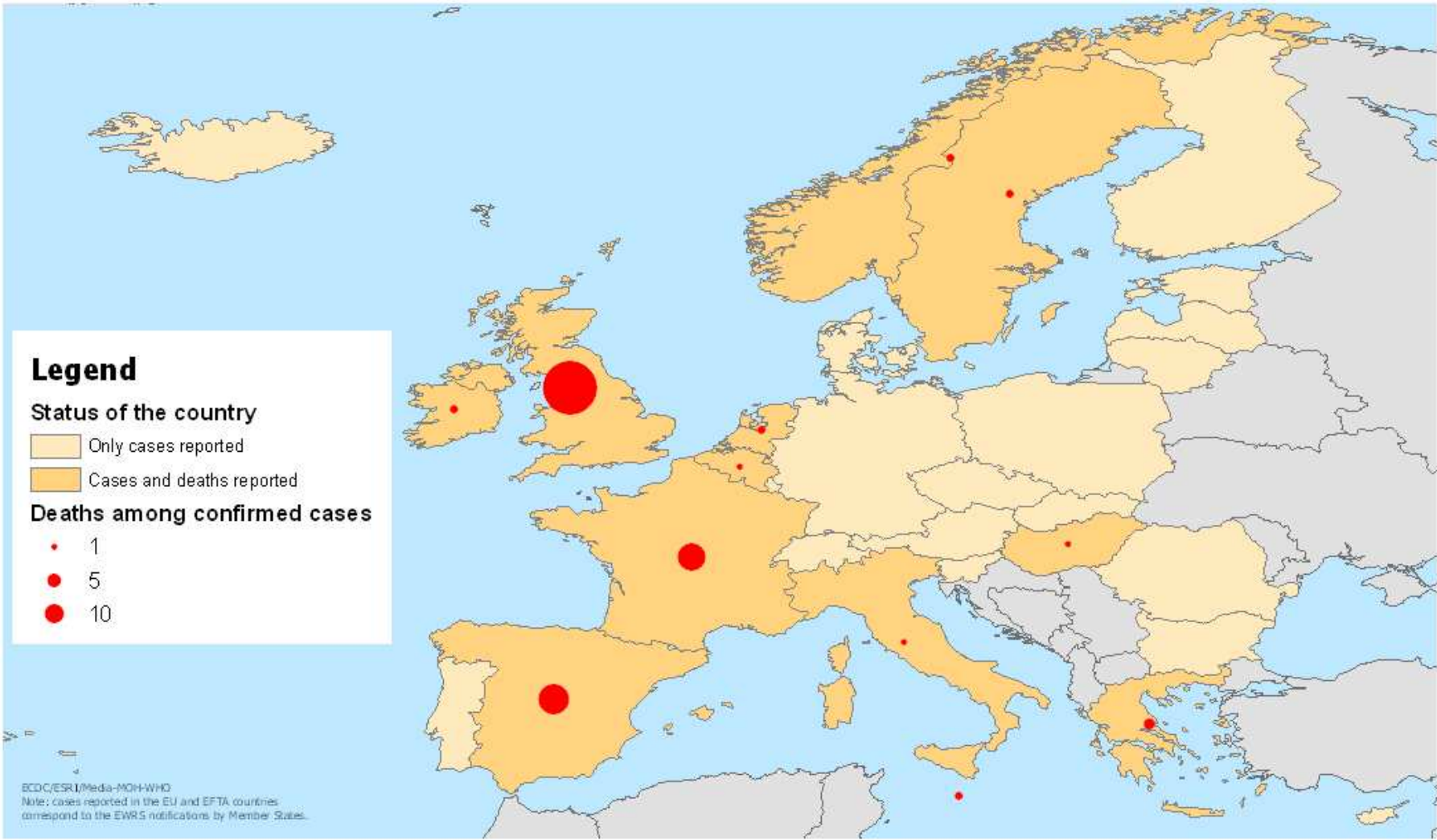


Notification week



Notification week

Reported cumulative number of confirmed fatal cases of influenza A(H1N1)v in EU and EFTA countries, as of 16 September 2009, 16:00 hours CEST



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

