

ECDC DAILY UPDATE

Pandemic (H1N1) 2009

Update 10 September 2009,
17:00 hours CEST

Main developments in past 24 hours

- Weekly overview of selected non-EU countries pandemic situation included;
- 472 new cases reported in the EU and EFTA countries, reaching a total of 50 015 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 10 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.*

Weekly overview of selected non-EU countries

Chile (pop 16.6 million)

The number of pandemic influenza cases reported weekly to the national level has been decreasing since week 28. Until week 34, the number of confirmed cases was 12 190, out of which 1 504 presented with Severe Acute Respiratory Illness (SARI). The majority of SARI cases were infants (69.1%) or children between 1-4 years of age (15.2%). The majority (63.8%) of the 125 laboratory-confirmed fatal cases had an underlying illness.

The majority of influenza strains identified until week 34 were A(H1N1)v and less than 0.5% were identified as seasonal H1 or H3 strains. Very few influenza viruses were identified through surveillance activities during week 34.

The Chilean surveillance report is available at: <http://www.minsal.cl/>

Brazil (pop. 192 million)

Since the beginning of the pandemic until week 34, 36 542 Severe Acute Respiratory Illness (SARI) cases were notified in Brazil, of which 6 592 were subsequently laboratory-confirmed as influenza A (H1N1)v infections. The number of confirmed cases as well as ILI cases appears to have been decreasing for the last two weeks. Of the confirmed SARI cases, 657 (10%) have died. According to the health ministry, this is the highest number for a country in the world. However, Brazil has a large population and the reported mortality due to SARI cases with confirmed influenza A (H1N1)v is currently 0,34/100.000 inhabitants.

Out of the 6 592 SARI cases linked to influenza A (H1N1)v, 54.2% presented with at least one of risk factor (including pregnancy), which does not significantly differ from what is observed for seasonal influenza in the country. Among SARI cases in fertile age 23.1% were pregnant, which is larger than the proportion of pregnant women among SARI cases due to seasonal influenza (16.8%). The number of reported cases and consultation rates from sentinel surveillance has been decreasing for the last 4 weeks.

Out of 14 687 PCR tests conducted up to week 34, 68,5% tested positive for influenza A (H1N1)v. This proportion has not changed much in the last four weeks, although the number of samples being collected is decreasing rapidly.

For entire epidemiological update for week 34 (Portuguese) see:

http://portal.saude.gov.br/portal/arquivos/pdf/informe_influenza_se_34_31_08_2009.pdf

H1N1 website of the ministry of health:

http://dtr2001.saude.gov.br/ascom/svs_informa/conteudo/especial_influenza_1/paq_esp_influenza_site.htm

Australia (pop. 20.7 million)

In the national report for September 10th the total number of fatal cases associated with the pandemic influenza (H1N1) 2009 is now 165. There are still 335 cases hospitalised due to (H1N1) 2009 and 64 (19.1%) of them are in Intensive Care Units. The total number of hospitalisations in Australia since the pandemic began is 4 610. All of these figures indicate a decreasing trend for last few weeks. In most but not all of the jurisdictions of Australia the indications from clinical surveillance is that the peak of the first wave has been passed.

Twelve percent of the fatal cases and 6.6% of the hospitalised cases are indigenous Australians. According recent censuses, around 2.5% of the Australian population consider themselves indigenous.

The current Australian influenza report can be found at:

<http://www.healthemergency.gov.au/internet/healthemergency/publishing.nsf/Content/bulletins-7-13Sep>

A feature articles on what Europe can learn from Australia appeared in the British Medical Journal on August 22nd

http://www.bmj.com/cgi/content/full/339/aug18_1/b3317

Australian Government-Department of Health and Ageing

<http://www.healthemergency.gov.au/internet/healthemergency/publishing.nsf/Content/updates>

New Zealand (pop. 4.2 million)

The latest report (September 9th) indicates that the circulation of influenza in the community continues to decline. The ILI consultation rate from a sentinel surveillance system has been decreasing since week 29, but is still at a higher level than during the past two years. The number of deaths from Pandemic Influenza (H1N1) 2009 is now 17. These are deaths where swine flu was a primary cause. There are a number of other deaths that are being investigated by the Coroner's office. As of September 9th, only one patient is reported to be in hospital due to influenza (H1N1) 2009 or its complications. The pressure on ICU's is now so low that national authorities have stopped monitoring patient numbers. In general, schools are reporting usual levels of absence for this time of year.

The majority of isolates received through the sentinel surveillance system have been influenza A(H1N1)v from week since week 27.

NZ National influenza update is at:

<http://www.moh.govt.nz/moh.nsf/indexmh/influenza-a-h1n1-update-146-020909>

NZ Sentinel surveillance report is at:

http://www.surv.esr.cri.nz/virology/influenza_weekly_update.php

South Africa (pop. 48.6 million)

As of September 8th, South Africa has confirmed 7 606 cases of pandemic (H1N1) 09, with 1 735 new cases being confirmed since the previous update. The number of deaths related to the pandemic is 31. It appears that the number of confirmed cases and deaths are still increasing.

The recommended national strategy is laboratory confirmation only for moderate or severe cases, however the national authorities believe it is likely that most cases are still being captured by the surveillance system.

South Africa has a large HIV-positive population, but thus far no information is available on severity of illness or changes in transmission patterns among this important group.

SA surveillance report available at: <http://www.nicd.ac.za/>

Epidemiologic update

All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. Since April 2009, a total of 50 015 confirmed cases, have been reported (Table 1). Out of the 127 reported deaths, one from Norway and five from France (three French Polynesia, one in the Reunion and one in mainland France). In the past 24 hours, 472 new cases were reported from the EU and EFTA countries.

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.

Table 1: Reported new confirmed cases and cumulative number of Pandemic (H1N1) 2009 influenza and cumulative deaths among confirmed cases by country as of 10 September 2009, 16:00 hours (CEST) in the EU and EFTA countries

Country	Confirmed cases reported in the last 24h	Cumulative number of confirmed cases	Deaths among confirmed cases ^a
Austria (10.9.)	13	347	-
Belgium (30.7.)	-	126	1
Bulgaria (02.9.)	-	66	-
Cyprus (14.7.)	-	297	-
Czech Republic (07.9.)	-	277	-
Denmark (09.9.)	-	598	-
Estonia (10.9.)	1	66	-
Finland (10.9.)	9	240	-
France ^b (08.9.)	-	1125	19 ^e
Germany (10.9.)	146	17790	-
Greece (08.9.)	-	1996	2
Hungary (06.9.)	6	159	1
Iceland (07.9.)	-	176	-
Ireland (03.9.)	-	815	2
Italy (04.9.)	-	2058	1
Latvia (29.8.)	-	27	-
Liechtenstein (09.9.)	-	5	-
Lithuania (08.9.)	-	51	-
Luxembourg (28.8.)	-	168	-
Malta (10.9.)	1	293	2
Netherlands ^c (27.8.)	-	1473	2
Norway (09.9.)	70	1223	2
Poland (09.9.)	-	163	-
Portugal (09.9.)	-	2820	-
Romania (08.9.)	-	322	-
Slovakia (09.9.)	-	129	-
Slovenia (10.9.)	18	235	-
Spain (03.9.)	-	1538	23
Sweden (09.9.)	199	1136	2
Switzerland (09.9.)	9	1104	-
United Kingdom ^d (03.9.)	-	13192	70
Total	472	50015	127

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 (94)

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

Table 2: Reported number of confirmed Pandemic (H1N1) 2009 influenza cases admitted to hospitals and intensive care by country as of 10 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 (03.9.)	-	-	-	-
Bulgaria	-	-	-	-
Cyprus	-	-	-	-
Czech Republic (07.9.)	0	-	0	-
Denmark (09.9.)	-	-	-	-
Estonia (04.9.)	0	0	0	0
Finland (03.9.)	-	-	-	-
France (08.9.)	11	129	3	5
Germany (09.9.)	-	-	-	-
Greece (04.9.)	7	45	5	11
Hungary (06.9.)	-	32	-	-
Iceland (26.8.)	0	0	0	0
Ireland (03.9.)	20	82	4	7
Italy (02.9.)	-	-	1	-
Latvia (13.8.)	-	1	-	-
Liechtenstein (09.9.)	-	-	-	-
Lithuania (13.8.)	-	-	-	-
Luxembourg (04.9.)	-	-	0	0
Malta(04.9.)	-	46	-	1
Netherlands (03.9.)	7	65	3	13
Norway (09.9.)	6	11	3	4
Poland (06.9.)	-	-	-	-
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 (08.9.)	10	22	-	1
United Kingdom ^a (03.9.)	159	-	31	-

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 (124 cumulative hospitalisations), Wales (46) and Northern Ireland (56).

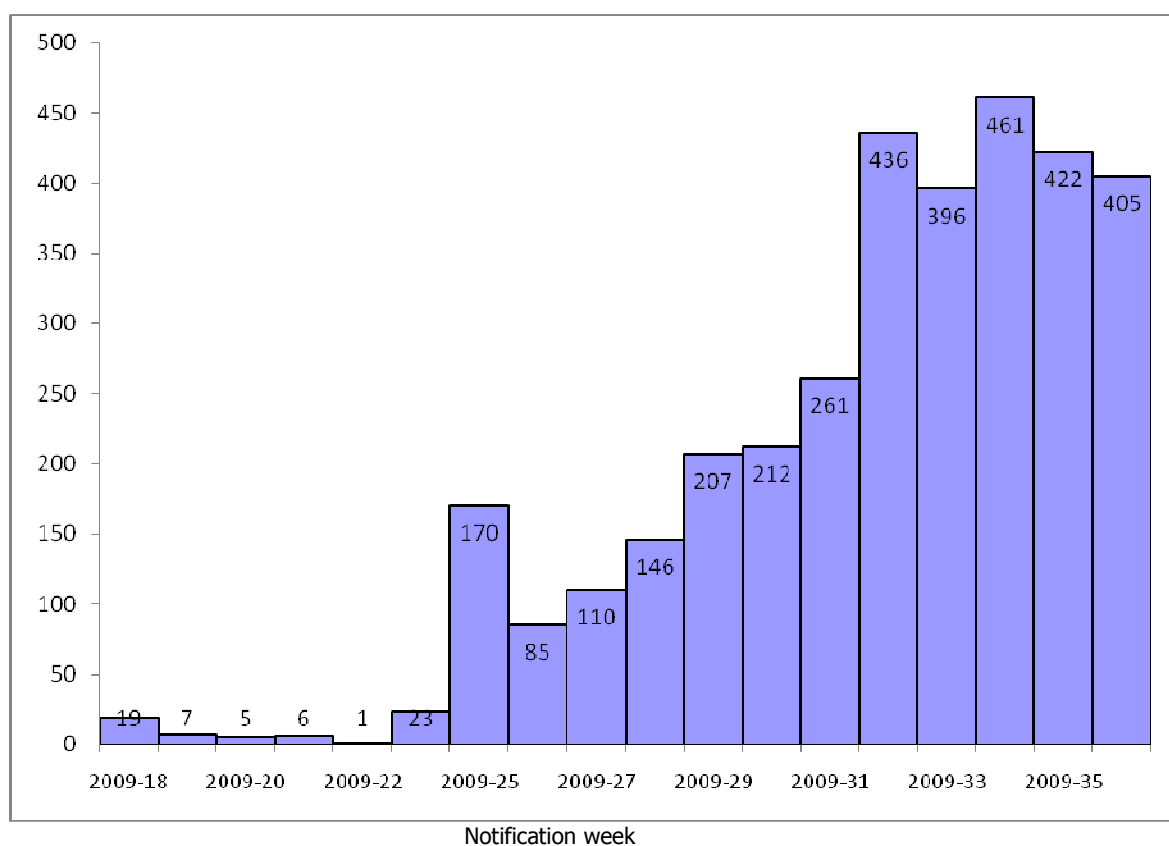
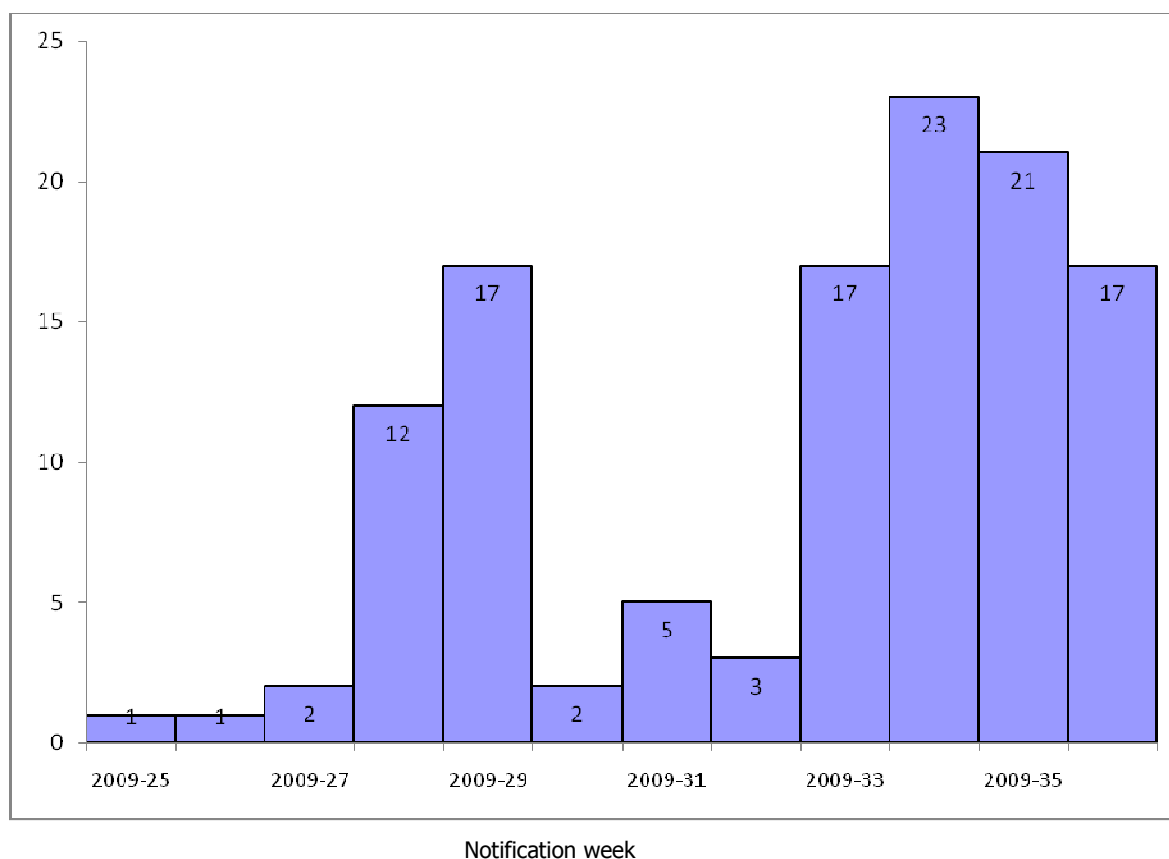
Table 3. Reported number of new and cumulative confirmed fatal Pandemic (H1N1) 2009 influenza cases by country as of 10 September 2009, 16:00 hours (CEST) outside of the EU/EFTA area

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	-	21
Kuwait	-	5
Lebanon	-	2
Occupied Palestinian Territory	-	1
Oman	-	12
Qatar	-	1
Saudi Arabia	-	26
Syria	-	2
United Arab Emirates	-	6
Yemen	-	1
AFRICA		
Ghana	-	1
Madagascar	1	1
Mauritius	-	8
Namibia	-	1
South Africa	-	31
NORTH AMERICA		
Canada	-	73
Mexico	2	209
USA	-	593
CENTRAL AMERICA & CARIBBEAN		
Cayman Islands	-	1
Costa Rica	-	33
Dominican Republic	-	11
El Salvador	-	17
Guatemala	-	13
Honduras	-	12
Jamaica	-	4
Nicaragua	-	6
Panama	-	10

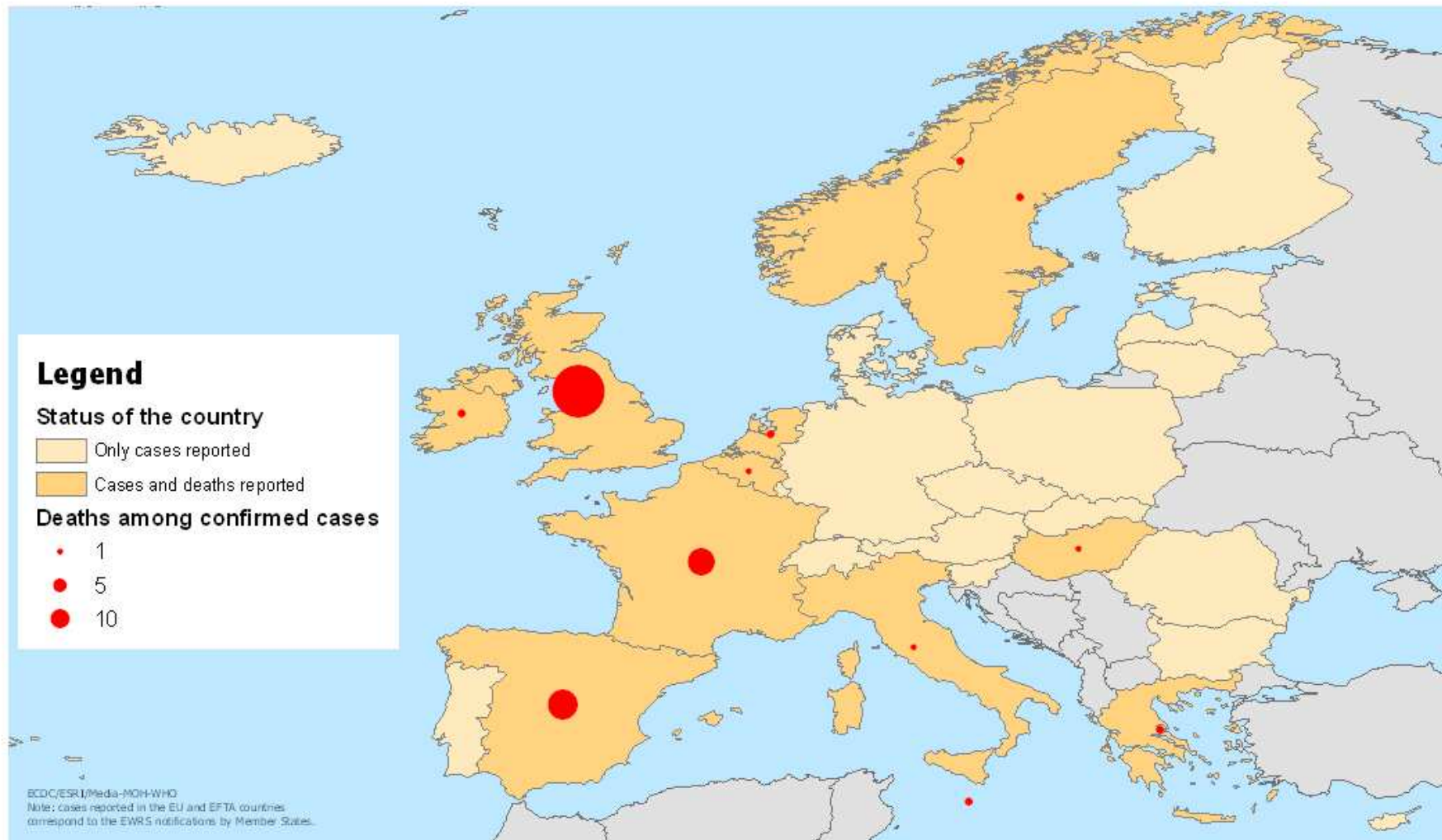
Saint Kitts and Nevis	-	1
Suriname	-	1
SOUTH AMERICA		
Argentina	-	512
Bolivia	3	33
Brazil	-	657
Chile	-	130
Colombia	-	43
Ecuador	-	44
Paraguay	-	52
Peru	-	109
Uruguay	1	33
Venezuela	-	52
NORTH-EAST & SOUTH ASIA		
Bangladesh	-	3
Hong Kong SAR China	-	12
India	7	145
Japan	-	10
Macao SAR China	-	1
South Korea	-	5
Taiwan	1	11
SOUTH-EAST ASIA		
Brunei Darussalam	-	1
Indonesia	-	10
Laos Peoples Democratic Republic	-	1
Malaysia	-	73
Philippines	-	28
Singapore	-	18
Thailand	-	142
Vietnam	2	5
AUSTRALIA & PACIFIC		
Australia	3	165
Cook Islands	-	1
Marshall Islands	-	1
New Zealand	-	17
Samoa	-	2
Tonga	-	1
TOTAL	20	3428

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 36, 2009) and world (lower panel, week 18 to week 36, 2009).



**Reported cumulative number of confirmed fatal cases of influenza A(H1N1)v
in EU and EFTA countries, as of 10 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 10 September 2009, 16:00 hours CEST

