

ECDC SITUATION REPORT

Influenza A(H1N1)v infection

Update 12 June 2009, 17:00 hours CEST

Main developments in past 24 hours

- 294 new cases were reported in EU and EFTA countries;
- 289 new cases were reported from non-EU and EFTA countries;
- The first death was reported from Guatemala today;
- Morocco and the Occupied Palestinian Territory reported their first case.

This report is based on official information provided by the national public health websites, or through other official communication channels. In addition, outside of the EU and EFTA countries, media reports from credible sources are included when quoting national authorities. An update on the number of confirmed cases as of 12 June, 17:00 hours CEST, is presented in Table 1 and Table 2.

Disclaimer: the number of confirmed cases reported is based on laboratory test results, except for the US. Depending on the national laboratory testing policies, the actual number of cases by country may therefore be higher.

Epidemiological update

The number of EU and EFTA countries reporting cases did not change with 26 of 31 EU and EFTA countries with confirmed cases. In the past 24 hours, 294 cases were confirmed in ten EU and EFTA countries (Table 1). The majority of the newly reported cases were from Spain (131) and the UK (99). An additional 8 EU and EFTA countries also reported confirmed cases. Hungary reported the first case of in-country transmission on 11th of June.

The sentinel influenza surveillance systems reported low influenza activity in all of the countries providing data in the European region. This indicates low circulation of A(H1N1)v and other influenza viruses at the community level. According to influenza surveillance data from the EU and EFTA Member States, the number of specimens submitted by sentinel physicians for virological testing almost doubled (544) as compared to week 22 (238) and week 21 (188). Five of these specimens tested positive for influenza A(H1N1)v virus. The surveillance system also captures virus detections in samples from non-sentinel sources where there is no denominator (total number of samples submitted). Overall 117 such specimens tested positive for influenza A(H1)v virus without neuraminidase subtyping results being reported. All influenza A(H1N1)v viruses tested for antiviral resistance so far proved to be susceptible to oseltamivir and zanamivir and resistant to adamantanes.

Outside of the EU and EFTA countries, a total of 27,978 cases are currently reported, of which 289 in the last 24 hours (Table 2). The first death was reported from Guatemala. Both Morocco and the Occupied Palestinian Territory confirmed their first case of influenza A(H1N1)v today.

ECDC Risk Assessment on influenza A(H1N1)v

ECDC published an updated risk assessment for Europe concerning the situation of influenza A(H1N1)v ([see here](#)). The assessment covers the basic epidemiology of the disease, disease characteristics, features of the virus, disease severity and data from Europe.

EC and Czech presidency respond to Pandemic Alert level 6

The European Commission (EC) and the Czech presidency issued a joint statement following the declaration of Pandemic alert level 6 by WHO on June 11, 2009. As agreed during the Health Council of June 9, the Commission and Member states are committed to using the Health Security Committee in order to coordinate the response and approach to this threat. Both the Czech presidency and the Commission stated that they will continue to play an active role in planning, coordinating and facilitating measures to contain and mitigate the effects of influenza A(H1N1)v together with other European and international stakeholders such as WHO and ECDC.

From the scientific literature

- 1) **[Confirmed cases analysis from EU and EFTA countries](#)**: The preliminary analysis of individual and aggregated data on confirmed cases of influenza A(H1N1)v in EU and EFTA countries reported up to June 8 was published in the latest issue of Eurosurveillance. The results cover the epidemic curve, demographic characteristics and symptoms, underlying disease, rates of hospitalisation and complications, and aspects concerning antiviral prophylaxis, treatment and seasonal influenza vaccination. As the data are still incomplete, the analysis should not be considered as a comprehensive picture of current influenza A(H1N1)v cases in EU and EFTA countries.
- 2) **[Genetic origins of the influenza A\(H1N1\)v strain](#)**: Researchers from Hong Kong, the UK and the US report in the advanced online version of Nature on 11 June, 2009, about the "Origins and evolutionary genomics of the 2009 swine-origin H1N1 influenza A epidemic". The article describes that the new influenza strain is derived from existing influenza viruses which circulate in swine. Additionally, evidence is provided that the likely transmission of this strain of influenza from pigs to humans happened several months before the outbreak was identified.
- 3) **[Clinical observations from school outbreak in Japan](#)**: the clinical features of confirmed cases of influenza A(H1N1)v associated to a school outbreak of this virus between 11 and 24 May, 2009 in Kobe, Japan, are described in the most recent issue of the Weekly Epidemiological Report (WER). Findings of interest include that upper-respiratory tract symptoms preceded those of fever, which suggesting the replication and possible shedding of the virus during the prodromic period. Additionally, rapid tests failed to correctly identify around 50% of the cases on the day of onset of their symptoms. For this reason, using clinical and epidemiological information of suspected cases might be more reliable for the timely administration of anti-virals in persons at risk of severe disease.

Table 1: Reported cumulative number of confirmed cases and of in-country transmission of influenza A(H1N1)v as of 12 June 2009, 17:00 hours (CEST) in the EU and EFTA countries

Country	Confirmed cases reported in the last 24h	Cumulative number of confirmed cases	Cumulative number of in-country transmission
Austria	-	7	1
Belgium	-	14	4
Bulgaria	-	2	-
Cyprus	-	1	-
Czech Republic	-	4	-
Denmark	1	11	2
Estonia	-	4	2
Finland	-	4	-
France	-	71	8
Germany	26	116	21
Greece	5	12	-
Hungary	-	4	1
Iceland	1	4	1
Ireland	-	12	1
Italy	3	59	4
Luxembourg	-	1	-
Netherlands	12	35	9
Norway	-	13	1
Poland	-	7	1
Portugal	-	2	-
Romania	1	12	6
Slovakia	-	3	1
Spain	131	488	127
Sweden	11	30	4
Switzerland	4	22	-
United Kingdom	99	921	380
Total	294	1859	574

Note: cases reported in the EU and EFTA countries correspond to the EWRS notifications by Member States or Ministry of Health websites.

Table 2: Reported cumulative number of confirmed cases and deaths of influenza A(H1N1)v as of 12 June 2009, 17:00 hours (CEST) outside of the EU and EFTA area

Country	Confirmed cases reported in the last 24h	Cumulative number of confirmed cases	Deaths among confirmed cases*
EASTERN EUROPE AND CENTRAL ASIA			
Russian Federation	-	3	-
Ukraine	-	1	-
MEDITERRANEAN AND MIDDLE-EAST			
Bahrain	-	1	-
Egypt	-	8	-
Israel	-	63	-
Kuwait	-	18	-
Lebanon	-	8	-
Morocco	1	1	-
Occupied Palestinian Territory	1	1	-
Saudi Arabia	-	2	-
Turkey	-	10	-

United Arab Emirates	-	1	-
NORTH AMERICA			
Canada	-	2978	4
Mexico	-	6241	108
**USA	-	13217	27
CENTRAL AMERICA AND CARIBBEAN			
Bahamas	-	2	-
Barbados	-	3	-
Bermuda	-	2	-
Cayman Islands	-	2	-
Costa Rica	-	104	1
Cuba	-	6	-
Dominica	-	1	-
Dominican Republic	19	91	1
El Salvador	-	69	-
Guatemala	19	85	1
Honduras	-	89	-
Jamaica	4	11	-
Martinique	-	1	-
Nicaragua	23	56	-
Panama	21	221	-
Trinidad-Tobago	2	4	-
SOUTH AMERICA			
Argentina	62	343	-
Bolivia	2	5	-
Brazil	9	52	-
****Chile	-	1694	2
Colombia	-	35	1
Ecuador	7	67	-
Paraguay	-	25	-
Peru	15	80	-
Uruguay	-	36	-
Venezuela	12	25	-
NORTH-EAST AND SOUTH ASIA			
China	13	124	-
Hong Kong SAR	14	63	-
India	-	4	-
Japan	31	549	-
Korea (South)	-	53	-
Taiwan	4	36	-
SOUTH-EAST ASIA			
Malaysia	-	7	-
Philippines	15	92	-
Singapore	3	21	-
Thailand	-	9	-
Vietnam	1	16	-
AUSTRALIA AND PACIFIC			
Australia	-	1307	-
***French Polynesia	-	1	-
New Zealand	11	34	-
TOTAL	289	27978	145

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.

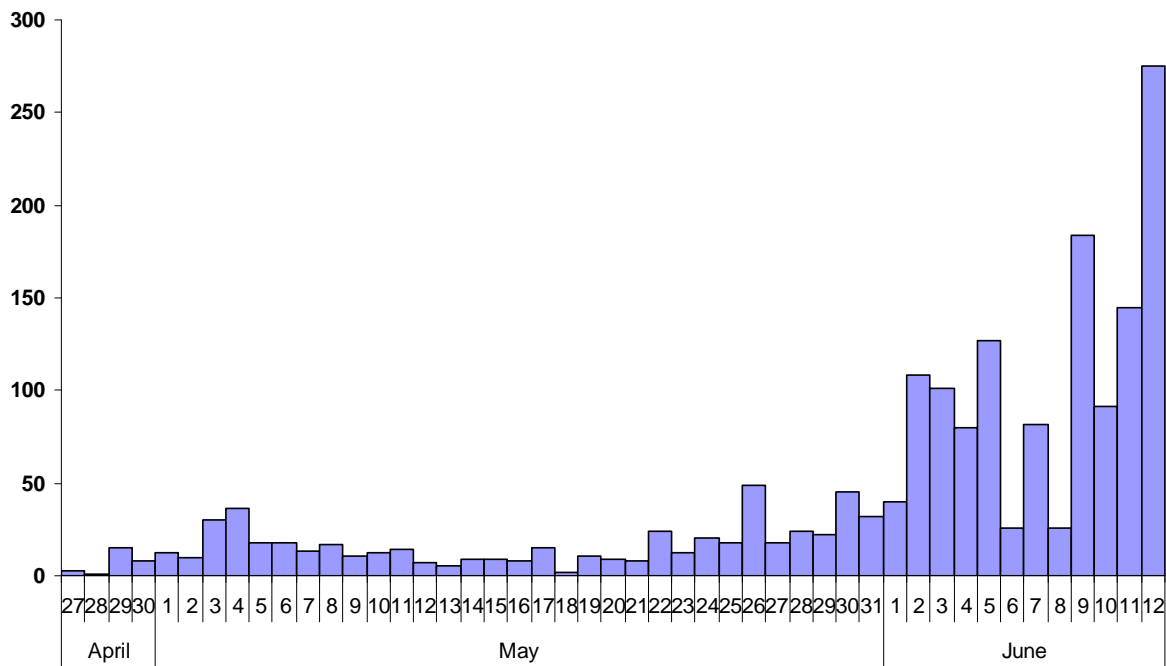
*Deaths are included in the cumulative number of confirmed cases

**Cases in the US include both probable and confirmed cases. Cases reported from the US include confirmed cases from Puerto Rico.

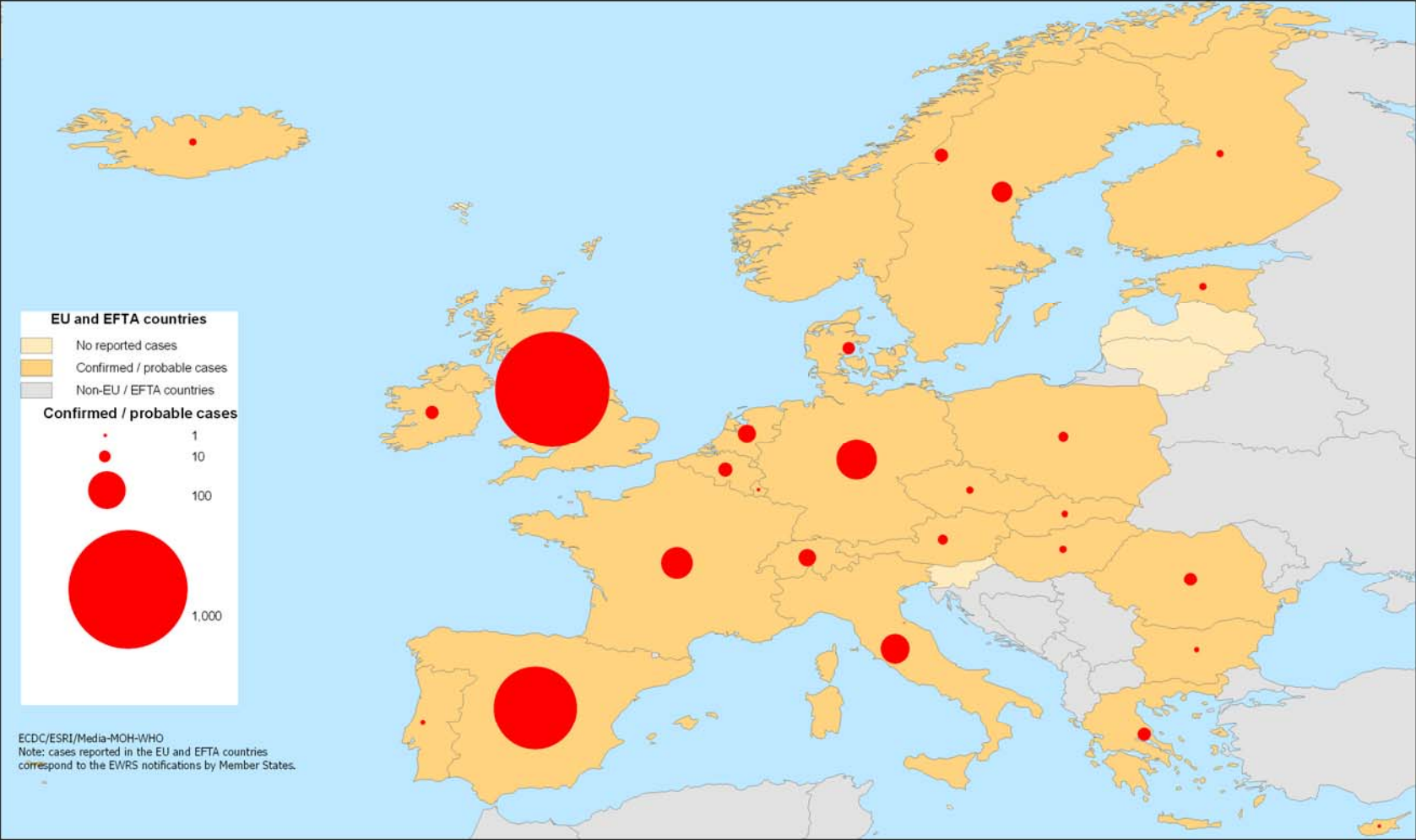
*** The case from French Polynesia was reported by France

****1161 of the cases reported by Chile correspond to cumulative reports from private health sector

Figure 1: Distribution of confirmed cases of influenza A(H1N1)v infection by date of reporting, EU and EFTA countries, 27 April to 12 June 2009, 17:00 CEST (n=1859)



Reported cumulative number of confirmed cases of influenza A(H1N1)v in EU and EFTA countries, as of 12 June 2009, 17:00 hours CEST



Reported cumulative number of confirmed cases of influenza A(H1N1)v by country, as of 12 June 2009, 17:00 hours CEST

