

# Novel A(H1N1) Cases and contacts management in 18 countries in Europe, North America, Asia and Oceania

15 May 2009

## 1. INTRODUCTION

A review of information regarding the management of A(H1N1) Novel influenza cases and their contacts was performed with data available as of 15 May 2009.

Cases and contacts management policies have been documented for 18 countries:

- 12 European countries: Denmark France, Finland Germany, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United-Kingdom,
- In mainland China, Australia, Brazil, Canada, New Zealand and USA (See details in the attached table).

## 2. CASE DEFINITIONS

Two groups of countries have been observed regarding the case definition adopted:

- 1) A group of countries which classifies a case as **probable with a positive PCR Flu A only**: France and New Zealand (NZ)
- 2) A group of countries which classifies a case as **probable with a PCR positive Flu A non-typable (or not "seasonal influenza")**, corresponding to EU recommendations: Australia, Brazil, Denmark, Germany, Finland, Ireland, Norway, Portugal, Spain, Sweden and United Kingdom (UK).

There is no major difference in terms of definition regarding suspected or confirmed cases between these two groups of countries.

## 3. AFFECTED AREAS

The country of infection is part of the case definition. Inclusion of affected areas differs, three categories can be made

- a) Five countries include **Canada, USA and Mexico** in the affected areas: Australia, France, Sweden, Switzerland, and, Norway (for some provinces in Canada only).
- b) Six countries classified **USA & Mexico** in the affected area: the Finland, Ireland, Italy, Portugal, Spain (part of the country) and UK.
- c) Germany classifies **only Mexico** as affected area (note: last update online 02/05/2009).

## 4. CURATIVE TREATMENT AND ISOLATION OF CASES

Information regarding the case management was available for 15 countries. These countries can be classified in 5 groups ordered by decreasing order in terms of contingency measures.

1. Treatment with oseltamivir and systematic hospitalisation of suspect cases: *France and Brazil*

2. Treatment with oseltamivir and home quarantine of suspect cases (8 countries): *Switzerland, Italy, Finland, Spain, Australia, NZ, Brazil and Norway.*

3. Treatment with oseltamivir of suspect cases, no home quarantine and hospitalisation of severe cases only: *Ireland, UK.*

4. Treatment of probable cases by oseltamivir, home quarantine for probable cases and hospitalisation for severe cases only: *Netherlands, Denmark.*

5. Treatment of severe cases and cases at risk of complications, clustered cases clusters the communities, Home quarantine recommended hospitalisation of severe cases only: *USA.*

## 5. ISOLATION AND PROPHYLACTIC TREATMENT OF CONTACTS

The management of contacts of cases is very heterogeneous in countries documented. The management ranges from the treatment and compulsory home quarantine for contacts of suspect cases to treatment of contact people decided on a case by case basis according to individual risk factors.

-Prophylactic treatment for contacts of suspect cases and home quarantine for contacts: [Spain, Portugal, Australia, China]

-Prophylactic treatment for contacts of probable cases and home quarantine for contacts of suspect cases: [France, Ireland]

-Prophylactic treatment for contacts of probable cases and home quarantine for contacts of probable cases: [NZ, Denmark]

-Prophylactic treatment for contacts of probable cases and no home quarantine: [United Kingdom]

-Prophylactic treatment for contacts of confirmed cases and no home quarantine: [Netherlands]

No prophylactic treatment for contacts and home quarantine for contact of confirmed cases [Switzerland]

- Prophylactic treatment for contacts only if people at risk of complications: [Finland and Norway]

Countries	Case Definitions	Affected areas included in the case definition	Systematic treatment of cases	Systematic hospitalisation of cases	Systematic home quarantine of cases	Isolation of close contacts	Prophylactic treatment of contacts	Last update
	1. Suspect case		No	No	No	No	No	
	2. Probable case		Suspect cases	Suspect cases	Suspect cases	Home quarantine	Suspect cases	
	3. Confirmed case		Probable cases	Probable cases	Probable cases	Hospitalisation	Probable cases	
				Severe cases			Confirmed cases	
<b>Australia</b>	1. Flu like syndrome + epidemiological links 2. PCR Flu A positive (not A(H3) if known )	Mexico, USA, Canada, other countries with confirmed local transmission	Suspect cases	No	Suspect cases	With suspect cases --> Home quarantine	For contacts of suspect cases	03 May
<b>Brazil</b>	1. Flu like syndrome + epidemiological links 2. Flu A positive or [(compatible clinical signs or death) + Contact with probable or confirmed case] 3. A(H1N1)		Suspect cases	Suspect cases	Suspect cases	With suspect cases --> Home quarantine	No	10 May
<b>Canada</b>	1. Flu like syndrome lien épidémiologique 2. Flu A positive 3. A(H1N1)	No	No	No	Home quarantine recommended	Home quarantine after 1st symptoms	No	07 May
<b>China</b>	1. Flu like syndrome + epidemiological links or Flu like syndrome Flu A positive 2. No probable case definition 3. A(H1N1)	N/A	Suspect cases	Suspect cases	-	With suspect cases --> Home quarantine	For contacts of suspect cases	08 May
<b>Denmark</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	N/A	Probable cases	Severe cases	Suspect cases	With probable cases --> Home quarantine	For contacts of probable cases	29 April
<b>Finland</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	Suspect cases	No	Recommended	N/A	Only for individual presenting increased risk of complications	05 May
<b>France</b>	1. Flu like syndrome + epidemiological links 2. PCR Flu A positive (Highly probable non seasonal Flu A positive) 3. A(H1N1)	Mexico USA Canada	Suspect cases	Suspect cases	-	With suspect cases --> Home quarantine	For contacts of probable cases	13 May
<b>Germany</b>	1. Flu like syndrome + epidemiological links WITHOUT other cause that could explain symptoms 2. Flu A positive & negative for seasonal influenza A(H1) A(H3)	Mexico	Suspect cases	Severe cases	Suspect cases	N/A	N/A	02 May
<b>Ireland</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	Suspect cases	Severe cases	No	With suspect cases --> Home quarantine	For contacts of probable cases	30 April
<b>Italy</b>	1 - Flu like syndrome + epidemiological links 2 - PCR A positive 3 - A(H1N1)	Mexico USA	N/A	Severe cases	Suspect cases	N/A	N/A	02 May and 13 May
<b>Netherlands</b>	1. Flu like syndrome + epidemiological links 2. PCR Flu A positive 3. A(H1N1)	Mexico + area of transmission documented by WHO	Probable cases	Severe cases	Suspect cases	No	For contacts of confirmed cases	06 May
<b>New Zealand</b>	1. Flu like syndrome + epidemiological links 2. Flu A positive 3. A(H1N1)	N/A	Suspect cases	No	Suspect cases	With probable cases --> Home quarantine	des contacts des cas probable's	12 May
<b>Norway</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA (not Alaska), Canada (British Columbia, Alberta, Ontario, New-Scotland, Quebec et Saskatchewan)	Suspect cases	No	Fortement conseillée	N/A	Only for individual presenting increased risk of complications	14 May
<b>Portugal</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA	Suspect cases according to severity of clinical signs	Suspect cases (Reference hospitals)	-	No	For contacts of suspect cases	1st and 3rd May

Countries	Case Definitions	Affected areas included in the case definition	Systematic treatment of cases	Systematic hospitalisation of cases	Systematic home quarantine of cases	Isolation of close contacts	Prophylactic treatment of contacts	Last update
<b>Spain</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA	Suspect cases	Hospitalisation or home quarantine of suspect cases according to logistic constrains		With suspect cases --> Home quarantine	For contact of suspect cases	07 May
<i>Castilla-la-Mancha</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico	Suspect cases		Home quarantine for suspect cases	With suspect cases --> Home quarantine	For contact of suspect cases	07 May
<i>Madrid</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA	N/A	No	N/A	N/A	N/A	07 May
<i>Rioja</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	Suspect cases	No	Home quarantine for suspect cases	With suspect cases --> Home quarantine	N/A	08 May
<i>Castilla y Leon</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	Suspect cases	No	Home quarantine for suspect cases	With suspect cases --> Home quarantine	N/A	08 May
<i>Galicia</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	N/A	N/A	N/A	N/A	N/A	07 May
<i>Valencia</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico	Suspect cases	No	Home quarantine for suspect cases	N/A	For contacts of suspect cases	26 April
<i>Catalonia</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico	Suspect cases	No	No	N/A	N/A	04 May
<i>Basque Country</i>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA	Suspect cases	Severe cases	N/A	With suspect cases --> Home quarantine	If clinical signs	12 May
<b>Sweden</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico, USA, Canada	N/A	N/A	N/A	N/A	N/A	30 April
<b>Switzerland</b>	1. Flu like syndrome + journey in an affected area 3. Confirmation by National Influenza Reference Centre	Mexico USA Canada	Treatment to consider	No	Yes recommended for suspect and confirmed cases	With confirmed cases --> Home quarantine	No	12 May
<b>UK</b>	1. Flu like syndrome + epidemiological links 2. Flu A Positive not typable 3. A(H1N1)	Mexico USA	Suspect cases	Severe cases	No	No	For contacts of probable cases	09 May
<b>USA</b>	1. Suspect cases ▶ Before in good health, < 65 years and hospitalised pour Flu like syndrome ▶ Flu like syndrome and living in a State without confirmed case but with a journey in a Country or State with at least 1 confirmed or probable case ▶ Flu like synd	No affected area specified Only for the suspect cases definition : Flu like syndrome and living in a State without confirmed case but with a journey in a country or State with at least one confirmed or probable case	▶ Severe Cases ▶ Patients at risk of complications ▶ Clustered cases in the collectivities	Severe Cases	Home quarantine recommended	No advises for contacts	No Chemoprophylaxis in certain collectivities (retiring homes) as for seasonal flu	From 3 to 7 May