The National Board of Health and Welfare
Communicable disease prevention and control in Sweden

National Board of Health and Welfare

Swedish Institute for Infectious Disease Control

County council
  County medical officer

Socialstyrelsen
National agencies cooperate

The National Pandemic Group:
- National Board of Health and Welfare (SoS)
- Swedish Institute for Infectious Disease Control (SMI)
- Swedish Civil Contingencies Agency (MSB)
- Swedish Work Environment Authority
- Medical Products Agency
- Swedish Association of Local Authorities and Regions

And if they are needed
- National Food Administration
- National Police Board
- Swedish Transport Agency
- Swedish Board of Agriculture
- National Veterinary Institute
National agency field of responsibility

• The National Board of Health and Welfare (SoS) has different duties within the fields of social services, health and medical services, environmental health, communicable disease prevention and control. The National Board of Health and Welfare co-ordinate, develop and follow up the communicable disease prevention and control at national level, and co-operate with ECDC and WHO.

• The Swedish Institute for Infectious Disease Control (SMI), is a governmental expert agency, that monitor the epidemiological situation for infectious diseases in humans. It is also responsible for promoting protection against such diseases.

• The Swedish Civil Contingencies Agency (MSB) is new authority responsible for all work related to public safety, emergency management, and civil defence. They work for strong civil protection and good emergency preparedness in which everyone shares responsibility.
National agency field of responsibility (2/2)

- **The Swedish Work Environment Authority** is the administrative authority for questions relating to the working environment.
- **The Medical Products Agency (MPA)** is the Swedish national authority responsible for regulation and surveillance of the development, manufacturing and marketing of drugs and other medicinal products.
- **The County Administrative Board** is a government authority that exists in each county. Sweden comprises 21 counties. The County Administrative Board co-operates with different bodies on the local, regional and central level to create a secure, safe society. During an emergency the County Administrative Board will provide support and co-ordinate authorities, organisations and key companies in the community that work together.
Local Authorities and Regions

Field of responsibility

• **The County Councils** are responsible for overseeing tasks that cannot be handled at the local level by municipalities but require coordination across a larger region, most notably health care.

• **The municipalities**, Sweden's 290 municipalities are responsible for a large share of public services. The municipalities are service providers in the fields of care, social services, education and infrastructure.

• **The Swedish Association of Local Authorities and Regions** is an organisation whose main objective is to safeguard the interests of the municipalities and the county councils.
Legislatively-based measures

• A change in the Communicable Diseases Act the 15th of May make the pandemic influenza A(H1N1) a disease dangerous to public health. This make the influenza a notifiable diseases and a subject to contact tracing.
• From May until middle of July was contact tracing made for all confirmed cases
• A new change the 16th of July limited the notification to only be for cases that are treated in hospitals or from laboratories analysing the tests.
• This was due to the change of strategy from containment to mitigation.
Confirmed cases of pandemic H1N1
Surveillance

- Notification of hospitalised cases and laboratory confirmed cases
- Sentinel system, approximately 100 primary care doctors report every week patients with influenza like symptoms
- Sentinel tests, some days in the week are specimens taken and analysed for influenza (not only A(H1N1))
- Volunteer based system to report self diagnosed cold and flu, 12500 persons participate in Stockholm County
Information and communication

- Nearly all information about the pandemic influenza A(H1N1) are produced in co-operation of various authorities, this make it possible to have a co-ordinated message to the public.
- A joint information site on internet, www.krisinformation.se
- A joint call centre with information to the public open the 4th of May
- Strategy document about contingency planning for prevention and control of influenza are revised and published 25th of May
Information to the public

- Information posters in airports and passenger ports 4th of May
- Information poster "How to avoid infection and infecting others" in 17 different languages (July)
- Information posters and checklists to staff and children in schools and kindergartens
Information to the health care

- Regular telephone meetings with the County medical officer, at least every 14 days
- Guiding principles for the care of suspected cases of the pandemic A(H1N1) for the health care. First published 5th of May and it has been modified several times
- Educational material for health care staff as a Power point with manual (24/7)
- Recommendation about the vaccination and strategy to the county councils with defined risk groups published 20th of August
Vaccine and Antiviral Drugs

• Sweden suborder 18 million doses of pandemic vaccine the 22nd of June according to settlement with Glaxo Smith Kline (GSK) from 2007
• GSK will start to deliver the vaccine in the end of September
• The County council are responsibly to perform the vaccination and are now preparing for it
• Restrictive use of antiviral as prophylaxis
• Contingency storage of antiviral drugs
Pandemic influenza A(H1N1) week 18-20

- 72 cases in 4 countries, 1 country in Europe
- 481 cases in 13 countries, 27 cases in 8 European countries
- 5935 cases in 31 countries, 217 cases in 15 European countries

ECDC inform about 2 cases of H1N1 in USA

WHO phase 4

WHO phase 5

1st NPG meeting

1st meeting SMI, SoS & MSB

More cases of H1N1 in USA & Mexico

Call center start

1st case in Sweden

2nd case in Sweden

3rd case in Sweden

A(H1N1) classified as dangerous to public health

Telephone meeting white County medical officer

NPG meeting + press conference

1/5 NPG meeting + press conference

13/5 Telephone meeting white County medical officer
Activities and measures taken the first weeks

• Week 18 and 19
  – Daily telephone meetings with Health Security Committee, EU
  – Daily telephone meetings with informants from the national authorities, County Administrative Boards and County Councils.
  – Frequent telephone meetings with County medical officers
  – National Pandemic Group meetings
  – First FAQ on joint internet information site www.krisinformation.se
  – A joint call centre opens (922 telephone calls 3/5-11/5)
  – Information poster to airports and ports
  – Information produced and distributed
    • to the health care
    • to the public
  – Preparation for distribution of contingency storage of antiviral drugs
**Pandemic influenza A(HINI) week 21-35**

- **WHO phase 6**
- **4 cases in Sweden**
- **Order 18 million doses of vaccine**
- **Strategy change from containment to mitigation**
- **274 cases**
- **672 cases**
- **Recommendation for vaccination**
- **1st fatal case**

18/5
11/6
25
30
35
24/8
Situation in Sweden

• Moderate spread in Sweden (24th of August are approximately 20 % of confirmed cases infected in Sweden)
• Impact on health care are yet low, except on ECMO unit
• Preparations for vaccination of the whole population
• Preparations for a information campaign about the vaccination
## Cases in Sweden

<table>
<thead>
<tr>
<th>Confirmed and reported cases</th>
<th>23/8 756</th>
<th>1/9 915</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infected in Sweden</td>
<td>155 (20,5%)</td>
<td></td>
</tr>
<tr>
<td>Hospitalised</td>
<td>39 (5%)</td>
<td>49</td>
</tr>
<tr>
<td>ECMO/ICU</td>
<td>4 (0,5%)</td>
<td>5</td>
</tr>
<tr>
<td>Fatal cases</td>
<td>0</td>
<td>1</td>
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