Pandemic Influenza
Weekly Situation Report

Sir Liam Donaldson
Chief Medical Officer
30 July 2009
Tracking data

- Deaths
- Hospitalisations
- Antiviral usage
- Total number of cases

GP Consultations
National Pandemic Flu Service
Cases of swine 'flu in England

Estimated number of cases this week: 110,000

Source: Health Protection Agency
Influenza-like illness: Daily consultation rate

England

National Pandemic Flu Service activated

Source: QSurveillance, to 28 July
Influenza-like illness:
Change in weekly consultation rates from last week to this week

Source: QSurveillance, most recent week commencing 20th July
### Areas with the highest rates of consultations for influenza-like illness

<table>
<thead>
<tr>
<th>Rank (last week)</th>
<th>Name of PCT</th>
<th>Weekly Consultations per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1)</td>
<td>Tower Hamlets</td>
<td>581</td>
</tr>
<tr>
<td>2 (3)</td>
<td>Greenwich</td>
<td>476</td>
</tr>
<tr>
<td>3 (-) New Entry</td>
<td>Blackburn with Darwen</td>
<td>422</td>
</tr>
<tr>
<td>4 (-) New Entry</td>
<td>Wakefield District</td>
<td>411</td>
</tr>
<tr>
<td>5 (7)</td>
<td>City &amp; Hackney</td>
<td>408</td>
</tr>
<tr>
<td>6 (-) New Entry</td>
<td>Manchester</td>
<td>405</td>
</tr>
<tr>
<td>7 (2)</td>
<td>Islington</td>
<td>401</td>
</tr>
<tr>
<td>8 (-) New Entry</td>
<td>North Somerset</td>
<td>375</td>
</tr>
<tr>
<td>9 (-) New Entry</td>
<td>Halton &amp; St Helens</td>
<td>374</td>
</tr>
<tr>
<td>10 (5)</td>
<td>Telford &amp; Wrekin</td>
<td>366</td>
</tr>
</tbody>
</table>

Source: QSurveillance, week ending 26 July
Influenza-like illness: Daily consultation rate
England by age

Source: QSurveillance, to 27 July
Influenza-like illness: Daily consultation rate
England by age

Source: QSurveillance, to 27 July
Cumulative number of GP consultations by age group

Source: QSurveillance, to 27 July
Cumulative number of GP consultations by age group

Source: QSurveillance, to 27 July
Self care assessment

Flu symptoms?

- Yes: Dial 999
- Reassure
- See GP
- Tamiflu
- Tamiflu & see GP
GP consultations and completed self care

Completed self care rate
GP consultation rate

Rate per 100,000

Source: QSURveillance and NPFS, to 27 July
Areas with the highest rates of completed self care

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name of PCT</th>
<th>Consultations per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Darlington</td>
<td>798</td>
</tr>
<tr>
<td>2</td>
<td>Blackburn With Darwen</td>
<td>793</td>
</tr>
<tr>
<td>3</td>
<td>Blackpool</td>
<td>705</td>
</tr>
<tr>
<td>4</td>
<td>Trafford</td>
<td>658</td>
</tr>
<tr>
<td>5</td>
<td>Middlesbrough</td>
<td>560</td>
</tr>
<tr>
<td>6</td>
<td>South Gloucestershire</td>
<td>535</td>
</tr>
<tr>
<td>7</td>
<td>Bolton</td>
<td>529</td>
</tr>
<tr>
<td>8</td>
<td>Harrow</td>
<td>505</td>
</tr>
<tr>
<td>9</td>
<td>Nottingham City</td>
<td>502</td>
</tr>
<tr>
<td>10</td>
<td>Hammersmith and Fulham</td>
<td>495</td>
</tr>
</tbody>
</table>

Source: NPFS, 24th-27th July
Volume of patients by age, 24-28 July 2009

- 65-74 years: 2%
- 75+ years: 3%
- 1-4 years: 4%
- under 1 year: 17%
- 45-64 years: 16%
- 5-14 years: 14%
- 15-24 years: 13%
- 25-44 years: 20%

GP consultations

Completed self care

Source: NPFS, QSurveillance
This week compared to last week
GP consultations and completed self care

Source: QSurveillance and NPFS, most recent week commencing 20th July
Demand on services
<table>
<thead>
<tr>
<th>Age group (years)</th>
<th>&lt; 5</th>
<th>5-15</th>
<th>16-64</th>
<th>65+</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of patients in hospital</td>
<td>138</td>
<td>65</td>
<td>399</td>
<td>144</td>
<td>746</td>
</tr>
<tr>
<td>Number of patients in critical care</td>
<td>5</td>
<td>4</td>
<td>57</td>
<td>15</td>
<td>81</td>
</tr>
</tbody>
</table>

At 29 July 0800
Hospitalisation ratios by age group

- <5
- 5 to 15
- 16 to 64
- 65+

Rate per 100,000

- 15th July
- 22nd July
- 29th July
NHS direct activity

- Percentage calls answered
- Percentage calls answered in 60 seconds

Percentage

Impact of National Pandemic Flu Service: London area June-July

Increasing call volumes over past weekends

Source: Camidoc (Islington, Haringey, Camden and Hackney)
Impact of National Pandemic Flu Service: London area June-July

Decreased volumes after National Pandemic Flu Service activated

Source: Camidoc (Islington, Haringey, Camden and Hackney)
Influenza deaths
Chief Medical Officer’s Confidential Investigation of H1N1v deaths in England
Definition of a swine ’flu related death

- Death caused directly by swine ’flu (part I of death certificate)
- Swine ’flu contributed to death (part II of death certificate)

AND/OR

- Patient tested positive for swine ’flu
## Deaths related to swine ’flu in England

| Total number of confirmed deaths during the outbreak | 27 |

At 29 July
Age distribution of fully investigated deaths

- 65+ yrs: 26%
- 0-14 yrs: 19%
- 16-44 yrs: 33%
- 45-64 yrs: 22%
## Classification of underlying conditions

### General examples

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthy</td>
<td>No medical conditions, no medication</td>
</tr>
<tr>
<td>Mild conditions</td>
<td>High blood pressure, controlled by tablets</td>
</tr>
<tr>
<td>Moderate conditions</td>
<td>Diabetes, controlled by insulin</td>
</tr>
<tr>
<td>Severe conditions</td>
<td>Leukaemia</td>
</tr>
</tbody>
</table>
Underlying conditions information for fully investigated deaths

- Healthy: 15%
- Mild conditions: 4%
- Moderate conditions: 26%
- Severe conditions: 55%
Summary

- Consultations for influenza like illness falling
- Extensive use of National Pandemic Flu Service
- Demand on local NHS services relieved
- No worsening in severity