Influenza activity in the United Kingdom is monitored using a variety of surveillance systems. The National Influenza Report which interprets the data is published weekly.

National and subnational outputs from the various surveillance systems are grouped according to the following categories:

- Community influenza surveillance
- Influenza-like illness GP consultation rates
- Influenza-confirmed hospitalisations
- All-cause mortality
- Microbiological surveillance
- Influenza vaccination

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4 January 2018
Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

- Care home
- Hospital
- School
- Other

2016/17 - total no. of outbreaks
## Number of acute respiratory outbreaks by PHE Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Outbreaks reported in week 52</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North of England</td>
<td>31</td>
<td>95</td>
</tr>
<tr>
<td>PHE Midlands and East of England</td>
<td>42</td>
<td>116</td>
</tr>
<tr>
<td>PHE London</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>PHE South of England</td>
<td>52</td>
<td>113</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
**GP ILI consultations in the UK for all ages with MEM thresholds applied**

<table>
<thead>
<tr>
<th>GP ILI consultation rates (all ages)</th>
<th>Week number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>----</td>
</tr>
<tr>
<td>England (RCGP)</td>
<td>6.8</td>
</tr>
<tr>
<td>Wales</td>
<td>5.7</td>
</tr>
<tr>
<td>Scotland</td>
<td>10.0</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.4</td>
</tr>
</tbody>
</table>

*The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for GP ILI consultations for the start of influenza activity (based on 10 seasons excluding 2009/10), in a standardised approach across Europe. For MEM threshold values for each country, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#clinical-surveillance-through-primary-care*
Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2017

*The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#disease-severity-and-mortality-data*
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2017

- 2017/18 - North
- 2017/18 - South
- 2017/18 - Midlands + East
- 2017/18 - London
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2017

Age group (years)

- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+

Influenza subtypes:

- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- A not subtyped
- B

Number of ICU admissions by age and influenza subtype.
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2017

*The Moving Epidemic Method (MEM) has been adopted by the European Centre for Disease Prevention and Control to calculate thresholds for ICU/HDU admission rates for the start of influenza activity (based on 6 seasons) in a standardised approach across Europe. For MEM threshold values, please visit: https://www.gov.uk/guidance/sources-of-uk-flu-data-influenza-surveillance-in-the-uk#disease-severity-and-mortality-data
Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2017
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England

This slide has not been updated with week 51 and 52 data as mortality data is currently not available due to the holiday period.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England

This slide has not been updated with week 51 and 52 data as mortality data is currently not available due to the holiday period.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England

This slide has not been updated with week 51 and 52 data as mortality data is currently not available due to the holiday period.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London

This slide has not been updated with week 51 and 52 data as mortality data is currently not available due to the holiday period.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE South of England

This slide has not been updated with week 51 and 52 data as mortality data is currently not available due to the holiday period.
Microbiological surveillance
DataMart: Number and proportion of samples positive for influenza, by type, England
DataMart: Number and proportion of samples positive for influenza, by type, PHE North of England
DataMart: Number and proportion of samples positive for influenza, by type, PHE Midlands and East of England

- Influenza A(n)
- Influenza B(n)
- Influenza A (%)
- Influenza B(%)

Week number (of sample)

Proportion positive (%)

Number of positive samples

4 January 2018
DataMart: Number and proportion of samples positive for influenza, by type, PHE London.
DataMart: Number and proportion of samples positive for influenza, by type, PHE South of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

Influenza A (n)

Influenza B (n)

Influenza A (%)

Influenza B (%)

0 10 20 30 40 50 60 70 80 90 100

0 50 100 150 200 250 300 350 400

40 44 48 52

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Return to main menu
DataMart: Proportion of samples positive for RSV, by age group

Proportion positive

Week number

65+yrs
45-64yrs
15-44yrs
5-14yrs
<5yrs
DataMart: Proportion of samples positive for other viruses
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2017/18, England

This slide has not been updated with week 52 data as vaccine uptake data is not available due to the holiday period.

- 65+yrs
- <65yrs at risk
- All pregnant women

2017/18 season indicated by bold lines, 2016/17 season indicated by fainter dashed lines.
Seasonal influenza vaccine uptake in targeted groups, 2017/18, England

This slide has not been updated with week 52 data as vaccine uptake data is not available due to the holiday period.

Week number

Vaccine uptake (%)

2017/18 season indicated by bold lines, 2016/17 season indicated by fainter dashed lines
Links

• Sources of UK flu surveillance data:

• Weekly flu report