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

Influenza Section
Immunisations and Countermeasures Division
Centre for Infectious Disease Surveillance and Control
Public Health England
respscidsc@phe.gov.uk
Community influenza surveillance
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 13</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>0</td>
<td>36</td>
</tr>
<tr>
<td>PHE North West</td>
<td>2</td>
<td>173</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>1</td>
<td>87</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>6</td>
<td>122</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>1</td>
<td>123</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>1</td>
<td>182</td>
</tr>
<tr>
<td>PHE London</td>
<td>1</td>
<td>57</td>
</tr>
<tr>
<td>PHE South East</td>
<td>2</td>
<td>173</td>
</tr>
<tr>
<td>PHE South West</td>
<td>5</td>
<td>185</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>England (RCGP)</td>
<td>4.2</td>
</tr>
<tr>
<td>Wales</td>
<td>7.0</td>
</tr>
<tr>
<td>Scotland</td>
<td>7.1</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2018

Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, North East, North West and Yorkshire and Humber, since week 40 2018
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, East Midlands, West Midlands and East of England since week 40 2018
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2018

![Graph showing weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2018.]

- **2018/19 - South East**
- **2018/19 - South West**
- **2018/19 - London**
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018

Age group (years):
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65-74
- 75+

Influenza subtypes:
- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- A not subtyped
- B
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2018

*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 2018

![Graph showing weekly hospitalisation rates by region](attachment:image.png)

- **2018/19 - North**
- **2018/19 - Midlands + East**
- **2018/19 - London**
- **2018/19 - South East**
- **2018/19 - South West**
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England

<table>
<thead>
<tr>
<th>Year</th>
<th>Virus Type(s)</th>
<th>Baseline</th>
<th>Deaths (corrected)</th>
<th>Upper 2 z-score limit</th>
<th>Upper 6 z-score limit</th>
<th>Upper 8 z-score limit</th>
<th>Upper 10 z-score limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-40</td>
<td>A(H3N2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-40</td>
<td>A(H1N1)pdm09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016-39</td>
<td>A(H3N2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017-39</td>
<td>B &amp; A(H3N2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018-39</td>
<td>A(H1N1)pdm09/A(H3N2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4 April 2019
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England.
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE London

2014/15  A(H3N2)
2015/16  A(H1N1)pdm09
2016/17  A(H3N2)
2017/18  B and A(H3N2)
2018/19  A(H1N1)pdm09/A(H3N2)

Deaths (corrected)
Baseline
Upper 2 z-score limit
Upper 6 z-score limit

4 April 2019

Return to main menu
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE South of England
Microbiological surveillance
**DataMart: Number and proportion of samples positive for influenza, by type, England**

<table>
<thead>
<tr>
<th>Week number (of sample)</th>
<th>Number of positive specimens</th>
<th>Proportion positive (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Influenza A (n)**
- **Influenza B (n)**
- **Total influenza (%)**
- **2017/18 total influenza (%)**

[Graph showing number of positive specimens and proportion positive by week number.]
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

Week number (of sample)

FluA (n)
Influenza A (%)
FluB (n)
Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)  Influenza A (%)  FluB (n)  Influenza B(%)

4 April 2019
DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)  FluB (n)

Influenza A (%)  Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England

FluA (n)  
Influenza A (%)  
FluB (n)  
Influenza B(%)

Week number (of sample)

Proportion positive (%)  
Number of positive samples

4 April 2019
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England

![Graph showing the number and proportion of samples positive for influenza, by type, from week 40 to week 20. The graph includes a line chart and a bar chart. The x-axis represents the week number of the sample, ranging from 40 to 20. The y-axis on the left represents the proportion positive (%), ranging from 0 to 50. The y-axis on the right represents the number of positive samples, ranging from 0 to 500. There are two lines and two bar charts. One line represents FluA (n) and Influenza A (%), and the other line represents FluB (n) and Influenza B (%). The bars represent the number of samples for FluA and FluB. The graph shows fluctuations in the proportion and number of positive samples throughout the weeks.]
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England
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 East of England
DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England

- **FluA (n)**
- **FluB (n)**
- **Influenza A (%)**
- **Influenza B(%)**

Week number (of sample) vs. Proportion positive (%) vs. Number of positive samples.
DataMart: Proportion of samples positive for influenza, by age group

Week number vs. Proportion positive for different age groups:
- 65+yrs
- 45-64yrs
- 15-44yrs
- 5-14yrs
- <5yrs

4 April 2019
DataMart: Proportion of samples positive for other viruses

- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Proportion positive vs. Week number
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

2018/19 season indicated by bold lines, 2017/18 season indicated by fainter dashed lines
Links

• Sources of UK flu surveillance data:

• Weekly flu report