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 institution, UK

- Care home
- Hospital
- School
- Other
- 2018/19 - total no. of outbreaks
### Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 43</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>PHE North West</td>
<td>6</td>
<td>25</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>8</td>
<td>38</td>
</tr>
<tr>
<td>PHE London</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>PHE South East</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>PHE South West</td>
<td>4</td>
<td>17</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>4.3</td>
</tr>
<tr>
<td>Wales</td>
<td>1.7</td>
</tr>
<tr>
<td>Scotland</td>
<td>5.5</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.9</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 2019

*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 Centre, North East, North West and Yorkshire and Humber, since week 40 2019

Rate of ICU/HDU admission per 100,000 trust catchment population

Week number

- 2019/20 - North East
- 2019/20 - North West
- 2019/20 - Yorkshire and Humber
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 2019
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population by PHE Centre, South East, South West and London, since week 40 2019
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2019

![Influenza confirmed ICU admissions chart](chart.png)
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2019

Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2019

Rate of hospitalisation/100,000

Week number

0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 0.0

2019/20 - North
2018/19 - Midlands + East
2018/19 - London
2018/19 - South East
2018/19 - South West
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2019

![Bar chart showing number of influenza cases by age group and subtype]

- **A(H1N1)pdm09**
- **A(H3N2)**
- **A unknown subtype**
- **B**

**Age groups:**
- <1
- 1-4
- 5-14
- 15-44
- 45-64
- 65+

**Number of cases:**
- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- B

31 October 2019
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England

![Graph showing excess mortality trends.](image)
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
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

- Influenza A (n)
- Influenza B (n)
- Total influenza (%)
- 2018/19 total influenza (%)

Week number (of sample) vs. Proportion positive and Number of positive specimens.
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

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

Week number (of sample) vs Proportion positive (%)

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

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

![Graph showing number of positive samples and proportion positive by week number for Influenza A (n) and Influenza B (n).]
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England

Week number (of sample)

- FluA (n)
- FluB (n)

Proportion positive (%)

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

Week number (of sample) vs. Proportion positive (%)

- FluB (n) vs. Influenza B (%)
- FluA (n) vs. Influenza A (%)

Number of positive samples
DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England
DataMart: Proportion of samples positive for RSV, by age group
DataMart: Proportion of samples positive for other viruses
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

- 2 years
- 3 years

2019/20 season indicated by bold lines, 2018/19 season indicated by fainter dashed lines

Week number

Vaccine uptake (%)
Links

• Sources of UK flu surveillance data:

• Weekly flu report