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
respсидс@phe.gov.uk
Community influenza surveillance
Number of acute respiratory outbreaks by institution, UK

Week of report

Number

Care home
Hospital
School
Other

2018/19 - total no. of outbreaks
### Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>PHE North East</th>
<th>Outbreaks reported in week 41</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North West</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>8</td>
<td>21</td>
</tr>
<tr>
<td>PHE London</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>PHE South East</td>
<td>5</td>
<td>11</td>
</tr>
<tr>
<td>PHE South West</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

Baseline threshold: <12.7
Low: 12.7 to <24.1
Medium: 24.1 to <70.6
High: 70.6 to <113.6
Very high: 113.6+

2010-11
2018-19
2019-20
GP ILI consultations in the UK for all ages with MEM thresholds applied

*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.*

<table>
<thead>
<tr>
<th>Country</th>
<th>GP ILI consultation rates (all ages)</th>
<th>Week number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
<td>41</td>
</tr>
<tr>
<td>England (RCGP)</td>
<td>4.3</td>
<td>5.0</td>
</tr>
<tr>
<td>Wales</td>
<td>1.7</td>
<td>4.0</td>
</tr>
<tr>
<td>Scotland</td>
<td>5.5</td>
<td>6.7</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.9</td>
<td>4.8</td>
</tr>
</tbody>
</table>

17 October 2019
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
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

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

- 2019/20 - East Midlands
- 2019/20 - West Midlands
- 2019/20 - East of England

Week number
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

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

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

Rate of hospitalisation/100,000

Week number

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

![Graph showing influenza confirmed hospital admissions by age and subtype since week 40 2019.](image-url)
All-cause mortality
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 (%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

![Graph showing the number of positive samples and proportion positive for different weeks.](image)

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

Influenza A (%)

Influenza B (%)

FluB (n)

FluA (n)
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluA (n)

Influenza A (%)

FluB (n)

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

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

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

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

![Graph showing number and proportion of samples positive for influenza, by type, PHE South East of England. The x-axis represents week number of the sample, ranging from 39 to 19. The y-axis represents the proportion positive (%) for FluA and FluB. The graph includes a legend indicating FluB (n) in blue and FluA (n) in red. The number of positive samples is shown on a separate y-axis on the right side of the graph, ranging from 0 to 500.](image-url)
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

- RSV
- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Week number

Proportion positive

17 October 2019
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%)

Week number

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

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

17 October 2019
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

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

Vaccine uptake (%) vs Week number

- 2 years
- 3 years
Links

• Sources of UK flu surveillance data:

• Weekly flu report