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

[Graph showing the number of outbreaks by institution (Care home, Hospital, School, Other) and week of report, with a dashed line indicating the total number of outbreaks for 2018/19.]
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 02</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>0</td>
<td>177</td>
</tr>
<tr>
<td>PHE North West</td>
<td>11</td>
<td>235</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>9</td>
<td>187</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>7</td>
<td>124</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>7</td>
<td>126</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>6</td>
<td>132</td>
</tr>
<tr>
<td>PHE London</td>
<td>2</td>
<td>25</td>
</tr>
<tr>
<td>PHE South East</td>
<td>13</td>
<td>133</td>
</tr>
<tr>
<td>PHE South West</td>
<td>9</td>
<td>215</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

2010-11
2018-19
2019-20

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

16 January 2020
GP ILI consultations in the UK for all ages with MEM thresholds applied

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.
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

Week number
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2019

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

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

16 January 2020
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2019

Number of cases
Rate of hospital admission/100,000 (2019/20)
Rate of hospital admission/100,000 (2018/19)

*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

- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- B
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, England
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
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

FluB (n)

Influenza A (%)

FluA (n)

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

![Graph showing the number and proportion of samples positive for influenza, by type, over weeks 39 to 51. The graph includes bars for FluA (n) and FluB (n) and lines for Influenza A (%) and Influenza B(%).]
DataMart: Number and proportion of samples positive for influenza, by type, PHE East Midlands of England.
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England

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 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

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 South West of England

Week number (of sample)

Proportion positive (%)

Number of positive samples

FluB (n)  FluA (n)

Influenza A (%)  Influenza B(%)
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

Week number

Proportion positive

RSV
Rhinovirus
Parainfluenza
hMPV
Adenovirus
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

16 January 2020
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: https://www.gov.uk/sources-of-uk-flu-data-influenza-surveillance-in-the-uk