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
respсидsc@phe.gov.uk

6 February 2020
Community influenza surveillance
### Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 05</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>0</td>
<td>178</td>
</tr>
<tr>
<td>PHE North West</td>
<td>1</td>
<td>249</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>1</td>
<td>191</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>5</td>
<td>135</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>0</td>
<td>129</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>11</td>
<td>153</td>
</tr>
<tr>
<td>PHE London</td>
<td>0</td>
<td>26</td>
</tr>
<tr>
<td>PHE South East</td>
<td>4</td>
<td>147</td>
</tr>
<tr>
<td>PHE South West</td>
<td>6</td>
<td>235</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>5.1</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2019


6 February 2020
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

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

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

Week number vs. Rate of hospitalisation/100,000

- 2019/20 - North
- 2018/19 - Midlands + East
- 2018/19 - London
- 2018/19 - South East
- 2018/19 - South West

6 February 2020
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2019

Graph showing the number of admissions by age group and influenza subtype from week 40 2019 to 6 February 2020.
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 (%)

Week number (of sample) vs. Proportion positive vs. 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 North West of England

[Graph showing data on influenza A and B positive samples by week number.]

6 February 2020
DataMart: Number and proportion of samples positive for influenza, by type, PHE Yorkshire and Humber

Week number (of sample)

Number of positive samples

Proportion positive (%)

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

0 50 100 150 200 250 300 350 400 450 500
0 5 10 15 20 25 30 35 40 45 50

39 43 47 51 3 7 11 15 19

6 February 2020
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)  FluB (n)
Influenza A (%)  Influenza B(%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands 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 East of England
DataMart: Number and proportion of samples positive for influenza, by type, PHE London

![Graph showing the number of positive samples and proportion positive over weeks for influenza A and B](image)

- **FluB (n)**
- **FluA (n)**
- **Influenza A (%)**
- **Influenza B(%)**
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
DataMart: Proportion of samples positive for RSV, by age group

- 65+yrs
- 45-64yrs
- 15-44yrs
- 5-14yrs
- <5yrs

Proportion positive vs. Week number
DataMart: Proportion of samples positive for other viruses

![Graph showing the proportion of samples positive for various viruses over weeks.]

- **RSV**
- **Rhinovirus**
- **Parainfluenza**
- **hMPV**
- **Adenovirus**

**Week number**

**Proportion positive**

6 February 2020
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%) vs 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
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%) vs. Week number

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

- 2 years
- 3 years
Links

• Sources of UK flu surveillance data:

• Weekly flu report