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: 40 to 20

- Care home
- Hospital
- School
- Other

2017/18 - total no. of outbreaks

Number of outbreaks:
- Care home: Low
- Hospital: Low
- School: Low
- Other: Low
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 42</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>PHE North West</td>
<td>6</td>
<td>17</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>5</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>1</td>
<td>5</td>
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<tr>
<td>PHE East of England</td>
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<td>14</td>
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<tr>
<td>PHE London</td>
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<td>0</td>
</tr>
<tr>
<td>PHE South East</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>PHE South West</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

<13.1 Baseline threshold 13.1 to <24.7 Low 24.7 to <72.1 Medium
72.1 to <115.6 High 115.6+ Very high

2010-11 2017-18 2018-19

25 October 2018
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 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4</td>
</tr>
<tr>
<td>England (RCGP)</td>
<td>4.2 3.9 4.5</td>
</tr>
<tr>
<td>Wales</td>
<td>7.1 3.6 4.4</td>
</tr>
<tr>
<td>Scotland</td>
<td>7.1 5.1 3.6</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.8 3.5 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

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

- 2018/19 - North East
- 2018/19 - North West
- 2018/19 - Yorkshire and Humber

Week number

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

25 October 2018

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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

- 2018/19 - East Midlands
- 2018/19 - West Midlands
- 2018/19 - 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 2018
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2018
Weekly hospitalised influenza case rate per 100,000 trust catchment population, England, since week 40 2018

Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2018
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2018

![Graph showing the number of hospital admissions by age group and influenza subtype from week 40 2018. The graph includes data for A(H1N1)pdm09, A(H3N2), A unknown subtype, and B.]
All-cause mortality
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in 65+ year olds, England
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE North of England

[Graph showing excess mortality by week of death, with data points for different years and influenza strains (A(H3N2), A(H1N1)pdm09, B, and A(H3N2)).]
Excess mortality (all causes) by week of death through the EuroMOMO algorithm in all ages, PHE Midlands and East of England

![Graph showing excess mortality through the years](image-url)
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 (%)
- 2017/18 total influenza (%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

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

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

- 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(%)
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)

Influenza A (%)

FluB (n)

Influenza B(%)

25 October 2018
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

Week number (of sample) vs. Proportion positive (%) and Number of positive samples

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

25 October 2018
DataMart: Number and proportion of samples positive for influenza, by type, PHE South East of England

![Graph showing number of positive samples and proportion positive for influenza A and B over weeks.]

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

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

Week number

Proportion positive

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

25 October 2018
DataMart: Proportion of samples positive for other viruses

- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Proportion positive

Week number

25 October 2018
Influenza vaccination
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

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

2018/19 season indicated by bold lines, 2017/18 season indicated by fainter dashed lines
Seasonal influenza vaccine uptake in targeted groups, 2018/19, England

Vaccine uptake (%)

Week number

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

2 years

3 years
Links

• Sources of UK flu surveillance data:

• Weekly flu report