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

<table>
<thead>
<tr>
<th>PHE Centre</th>
<th>Outbreaks reported in week 07</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>2</td>
<td>28</td>
</tr>
<tr>
<td>PHE North West</td>
<td>8</td>
<td>142</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>8</td>
<td>66</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>7</td>
<td>90</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>10</td>
<td>102</td>
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<tr>
<td>PHE East of England</td>
<td>6</td>
<td>140</td>
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<tr>
<td>PHE London</td>
<td>7</td>
<td>49</td>
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<tr>
<td>PHE South East</td>
<td>17</td>
<td>143</td>
</tr>
<tr>
<td>PHE South West</td>
<td>24</td>
<td>142</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
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>4.2</td>
</tr>
<tr>
<td>Wales</td>
<td>7.0</td>
</tr>
<tr>
<td>Scotland</td>
<td>7.3</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Influenza-confirmed hospitalisations
Week number
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.
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

Week Number

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

- 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

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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
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

- **2014/15**: A(H3N2)
- **2015/16**: A(H1N1)pdm09
- **2016/17**: A(H3N2)
- **2017/18**: B and A(H3N2)

**Number of deaths**

- Deaths (corrected)
- Baseline
- Upper 2 z-score limit
- Upper 6 z-score limit

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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 (%)
- 2017/18 total influenza (%)

Graph showing the number and proportion of positive samples over time.
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) vs. Number of positive samples

Proportion positive (%) vs. FluA (n) and FluB (n)

Influenza A (%) vs. 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, PHE Yorkshire and Humber.](image-url)
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

- **FluA (n)**
- **Influenza A (%)**
- **FluB (n)**
- **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
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 graph displays the number of positive samples and the proportion positive (%), with week numbers (of sample) on the x-axis and proportion positive (%) on the y-axis. The graph includes line graphs for FluA (n) and FluB (n), and bar graphs for Influenza A (%) and 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

FluA (n)

Influenza A (%)

FluB (n)

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
DataMart: Proportion of samples positive for other viruses

Proportion positive

Week number

Rhinovirus
Parainfluenza
hMPV
Adenovirus
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

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

• Sources of UK flu surveillance data:

• Weekly flu report