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

- Care home
- Hospital
- School
- Other

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

<table>
<thead>
<tr>
<th>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>0</td>
<td>180</td>
</tr>
<tr>
<td>PHE North West</td>
<td>4</td>
<td>257</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>3</td>
<td>199</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>5</td>
<td>144</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>0</td>
<td>130</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>1</td>
<td>160</td>
</tr>
<tr>
<td>PHE London</td>
<td>0</td>
<td>29</td>
</tr>
<tr>
<td>PHE South East</td>
<td>3</td>
<td>158</td>
</tr>
<tr>
<td>PHE South West</td>
<td>4</td>
<td>246</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></td>
</tr>
<tr>
<td>Wales</td>
<td></td>
</tr>
<tr>
<td>Scotland</td>
<td></td>
</tr>
<tr>
<td>Northern Ireland</td>
<td></td>
</tr>
</tbody>
</table>

| England (RCGP)                      | 4.3 | 5.0 | 5.5 | 6.2 | 4.5 | 4.6 | 5.3 | 6.5 | 10.6 | 13.1 | 16.0 | 19.4 | 12.9 | 16.6 | 14.7 | 10.3 | 9.0 | 10.3 | 9.8 | 8.4 |
| Wales                               | 1.7 | 4.0 | 4.2 | 6.2 | 1.7 | 4.2 | 3.7 | 5.9 | 5.9 | 12.6 | 14.6 | 11.8 | 17.7 | 11.8 | 12.8 | 8.6 | 9.6 | 10.4 | 11.2 |
| Scotland                            | 5.1 | 6.3 | 4.4 | 4.0 | 8.0 | 5.0 | 7.0 | 11.9 | 11.9 | 14.0 | 19.6 | 21.3 | 17.1 | 13.0 | 21.8 | 11.5 | 11.3 | 11.4 | 10.2 | 13.0 |
| Northern Ireland                    | 3.9 | 4.6 | 4.6 | 5.1 | 6.5 | 7.2 | 6.9 | 14.2 | 28.2 | 29.2 | 24.8 | 21.3 | 10.4 | 15.9 | 13.4 | 7.6 | 6.6 | 7.0 | 5.9 | 5.7 |
Influenza-confirmed hospitalisations
Weekly ICU/HDU influenza admission rate per 100,000 trust catchment population, England, since week 40 2019

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
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

Weekly hospitalised influenza admission rate per 100,000 trust catchment population by PHE region, since week 40 2019.

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

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

Age group (years) | Number
--- | ---
<1 | 100
1-4 | 400
5-14 | 300
15-44 | 1200
45-64 | 700
65+ | 1600

- 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

![Graph showing the number and proportion of samples positive for influenza, by type, England. The graph includes bars for Influenza A (n), Influenza B (n), Total influenza (%), and 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

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

![Graph showing the number and proportion of samples positive for influenza, by type, PHE East Midlands of England. The graph displays the proportion positive (%) and the number of positive samples over the week number of sample. The x-axis represents the week number of the sample, and the y-axis represents the proportion positive (%). The graph includes bars and lines for FluA (n), FluB (n), Influenza A (%), and Influenza B(%).]
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
DataMart: Number and proportion of samples positive for influenza, by type, PHE London

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 East of England

Week number (of sample) vs Proportion positive (%) graph showing:
- FluB (n) in blue
- FluA (n) in pink
- Influenza A (%) in red
- Influenza B(%) in blue

Number of positive samples graph with values from 0 to 500.
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

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

- RSV
- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus

Proportion positive on the y-axis.
Week number on the x-axis.

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

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

Vaccine uptake (%)

Week number

2 years
3 years

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

• Sources of UK flu surveillance data:  

• Weekly flu report  