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 institution, UK

- Care home
- Hospital
- School
- Other
- 2018/19 - total no. of outbreaks

Weekly report of outbreaks from 2018/19.
### Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>Centre</th>
<th>Outbreaks reported in week 04</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>7</td>
<td>247</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>1</td>
<td>190</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>4</td>
<td>130</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>2</td>
<td>129</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>5</td>
<td>142</td>
</tr>
<tr>
<td>PHE London</td>
<td>1</td>
<td>27</td>
</tr>
<tr>
<td>PHE South East</td>
<td>6</td>
<td>146</td>
</tr>
<tr>
<td>PHE South West</td>
<td>9</td>
<td>234</td>
</tr>
</tbody>
</table>

30 January 2020
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

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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>3.9</td>
</tr>
</tbody>
</table>


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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

Week number

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

- 2019/20 - South East
- 2019/20 - South West
- 2019/20 - London
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2019

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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
Influenza confirmed hospital admissions (USISS sentinel) by age and influenza subtype, since week 40 2019
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, 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 (%) vs. Number of positive samples

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

![Graph showing the number and proportion of positive samples for FluA and FluB by week number (of sample)].
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

Week number (of sample)

Number of positive samples

Proportion positive (%)
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 (%)](image-url)
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(%)

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DataMart: Proportion of samples positive for RSV, by age group
DataMart: Proportion of samples positive for other viruses

Proportion positive vs Week number

- RSV
- Rhinovirus
- Parainfluenza
- hMPV
- Adenovirus
Influenza vaccination
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
Seasonal influenza vaccine uptake in targeted groups, 2019/20, England

Vaccine uptake (%)

2 years
3 years

Week number

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

• Sources of UK flu surveillance data: https://www.gov.uk/sources-of-uk-flu-data-influenza-surveillance-in-the-uk