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

- Care home
- Hospital
- School
- Other

Number of outbreaks by institution:
- Care home: 25
- Hospital: 50
- School: 75
- Other: 100

2018/19 - total no. of outbreaks

Week of report:
- 40
- 44
- 48
- 52
- 4
- 8
- 12
- 16
- 20
## Number of acute respiratory outbreaks by PHE Centre

<table>
<thead>
<tr>
<th>PHE Centre</th>
<th>Outbreaks reported in week 46</th>
<th>Cumulative number of outbreaks since week 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHE North East</td>
<td>60</td>
<td>71</td>
</tr>
<tr>
<td>PHE North West</td>
<td>12</td>
<td>41</td>
</tr>
<tr>
<td>PHE Yorkshire and Humber</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>PHE East Midlands</td>
<td>6</td>
<td>30</td>
</tr>
<tr>
<td>PHE West Midlands</td>
<td>6</td>
<td>23</td>
</tr>
<tr>
<td>PHE East of England</td>
<td>8</td>
<td>60</td>
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<tr>
<td>PHE London</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>PHE South East</td>
<td>1</td>
<td>22</td>
</tr>
<tr>
<td>PHE South West</td>
<td>9</td>
<td>40</td>
</tr>
</tbody>
</table>
Influenza-like illness GP consultation rates
RCGP ILI consultation rate, England

ILI rate per 100,000

Week number

<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

2010-11 2018-19 2019-20
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>40</th>
<th>41</th>
<th>42</th>
<th>43</th>
<th>44</th>
<th>45</th>
<th>46</th>
<th>47</th>
<th>48</th>
<th>49</th>
<th>50</th>
<th>51</th>
<th>52</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>England (RCGP)</td>
<td>4.3</td>
<td>5.0</td>
<td>5.5</td>
<td>6.2</td>
<td>4.5</td>
<td>4.6</td>
<td>5.3</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Wales</td>
<td>1.7</td>
<td>4.0</td>
<td>4.2</td>
<td>6.2</td>
<td>1.7</td>
<td>4.2</td>
<td>3.7</td>
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<tr>
<td>Scotland</td>
<td>5.5</td>
<td>6.2</td>
<td>4.4</td>
<td>4.0</td>
<td>7.9</td>
<td>5.0</td>
<td>6.4</td>
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</tr>
<tr>
<td>Northern Ireland</td>
<td>3.9</td>
<td>4.8</td>
<td>4.6</td>
<td>5.1</td>
<td>6.5</td>
<td>7.2</td>
<td>6.9</td>
<td></td>
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</tr>
</tbody>
</table>

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

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

21 November 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
Influenza confirmed ICU admissions (USISS mandatory) by age and influenza subtype, since week 40 2019

- A(H1N1)pdm09
- A(H3N2)
- A unknown subtype
- A not subtyped
- B
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

Rate of hospitalisation/100,000

Week number

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

- Influenza A (n)
- Influenza B (n)
- Total influenza (%)
- 2018/19 total influenza (%)

Week number (of sample) vs Number of positive specimens vs Proportion positive

Proportion positive: 0 to 100
Number of positive specimens: 0 to 1400
Week number (of sample): 40 to 36
DataMart: Number and proportion of samples positive for influenza, by type, PHE North East of England

Week number (of sample)

Number of positive samples

Proportion positive (%)
DataMart: Number and proportion of samples positive for influenza, by type, PHE North West of England

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

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

Week number (of sample) vs. Proportion positive (%)

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

Number of positive samples
DataMart: Number and proportion of samples positive for influenza, by type, PHE West Midlands of England

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

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

21 November 2019
DataMart: Number and proportion of samples positive for influenza, by type, PHE East of England

Week number (of sample)

Week: 39 43 47 51 3 7 11 15 19

Number of positive samples

0 50 100 150 200 250 300 350 400 450 500

Proportion positive (%)

0 10 20 30 40 50

FluA (n)  FluB (n)

Influenza A (%)  Influenza B(%)
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.](image-url)
DataMart: Number and proportion of samples positive for influenza, by type, PHE South West of England

Week number (of sample)

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

Week number

Proportion positive

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

Vaccine uptake (%)

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

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