



02 December 2014

Year: 2014 Week: 48

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Key messages

Data to: 30 November 2014

Consultation rates for respiratory indicators including upper and lower respiratory tract infections (fig 1 and 5) have continued to rise during week 48, particularly in children aged <5 years (fig 1a and 5a), and in line with seasonal expectations. Consultation rates for severe asthma continue to rise (fig 10); particularly in the 5-14 years age group (fig 10a).

This week we have introduced a new scarlet fever indicator (fig 4). This uses a subset of the GP data with a population of approximately 5.5 million patients.

A Cold Watch System operates in England from 1 November to 31 March each year. As part of the Public Health England Cold Weather Plan for England the PHE Real-time Syndromic Surveillance team will be monitoring the impact of cold weather on syndromic surveillance data during this period. Cold weather alert level (current reporting week): **Level 1 – Winter preparedness and action**
<http://www.metoffice.gov.uk/weather/uk/coldweatheralert/>

Diagnostic indicators at a glance:

| Indicator | Trend | Level |
|-----------------------------------|------------|----------------------------|
| Upper respiratory tract infection | increasing | similar to baseline levels |
| Influenza-like illness | no trend | similar to baseline levels |
| Pharyngitis | increasing | above baseline levels |
| Scarlet fever | no trend | similar to baseline levels |
| Lower respiratory tract infection | increasing | similar to baseline levels |
| Pneumonia | no trend | similar to baseline levels |
| Gastroenteritis | no trend | similar to baseline levels |
| Vomiting | no trend | below baseline levels |
| Diarrhoea | decreasing | similar to baseline levels |
| Severe asthma | increasing | above baseline levels |
| Wheeze | no trend | above baseline levels |
| Allergic rhinitis | no trend | similar to baseline levels |
| Conjunctivitis | no trend | below baseline levels |
| Mumps | no trend | below baseline levels |
| Measles | no trend | similar to baseline levels |
| Rubella | no trend | similar to baseline levels |
| Pertussis | no trend | similar to baseline levels |
| Chickenpox | increasing | similar to baseline levels |
| Herpes zoster | no trend | similar to baseline levels |
| Cellulitis | decreasing | above baseline levels |
| Impetigo | no trend | above baseline levels |

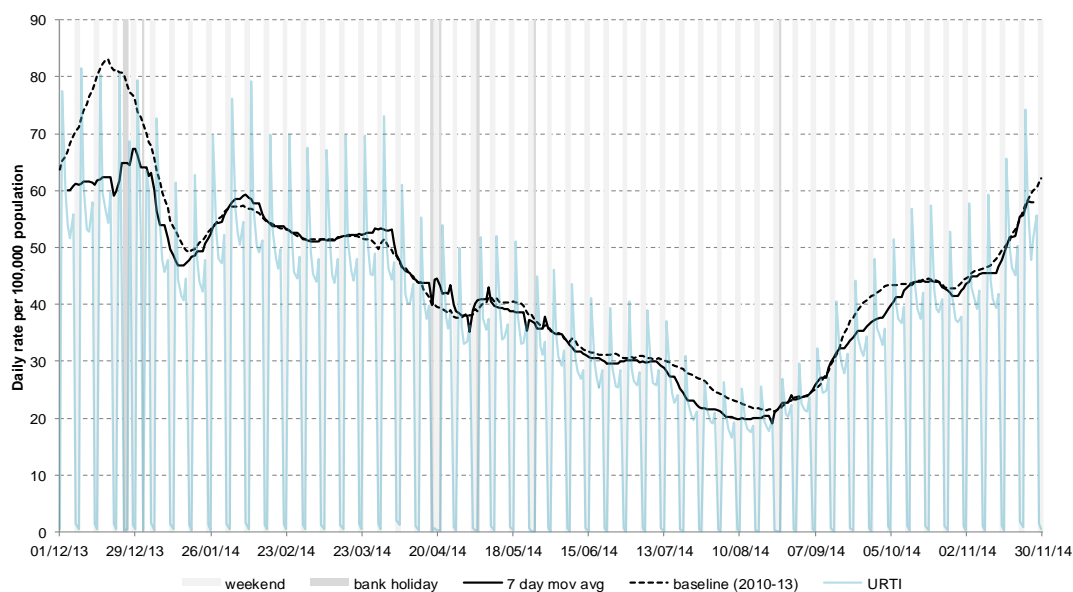
GP practices and denominator population:

| Year | Week | GP Practices Reporting** | Population size** |
|------|------|--------------------------|-------------------|
| 2014 | 48 | 4130 | 30.3 million |

**based on the average number of practices and denominator population in the reporting working week.

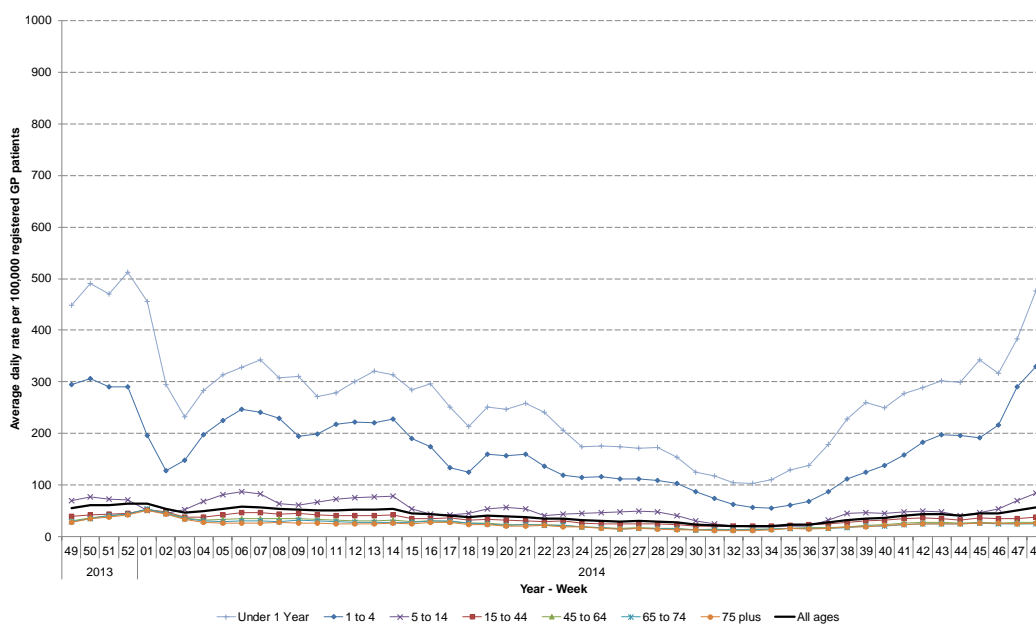
1: Upper respiratory tract infection (URTI)

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



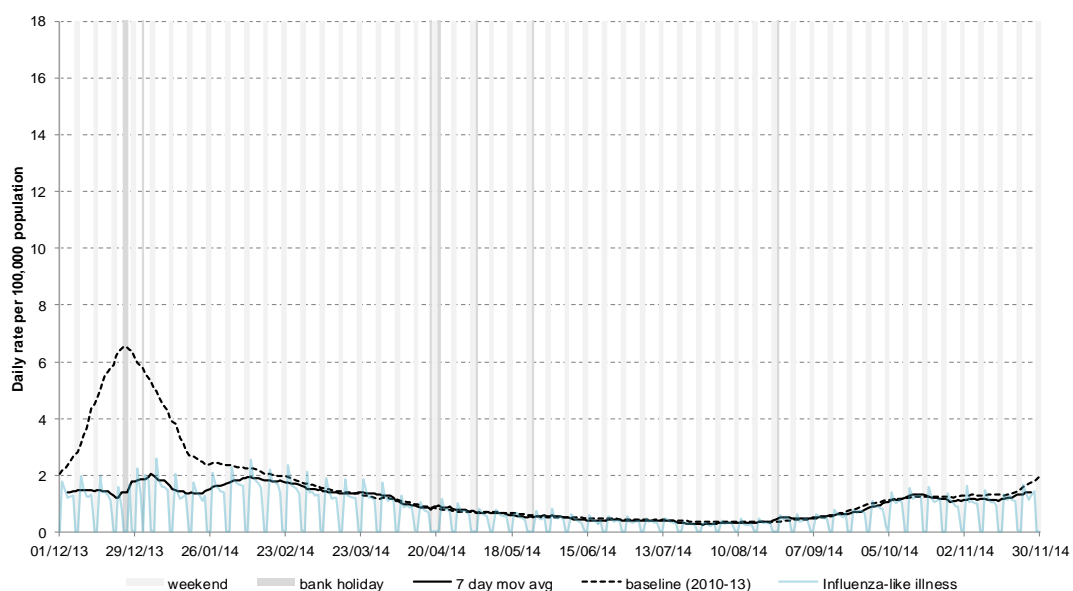
1a: Upper respiratory tract infection (URTI) by age

Average daily incidence rate by week per 100,000 population (all England)



2: Influenza-like illness (ILI)

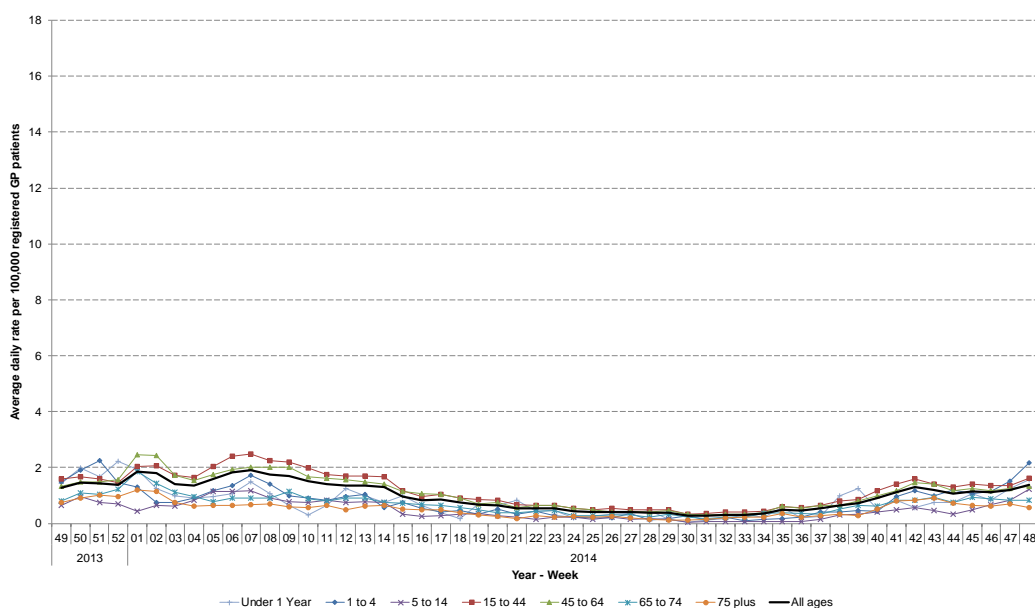
Daily incidence rates (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

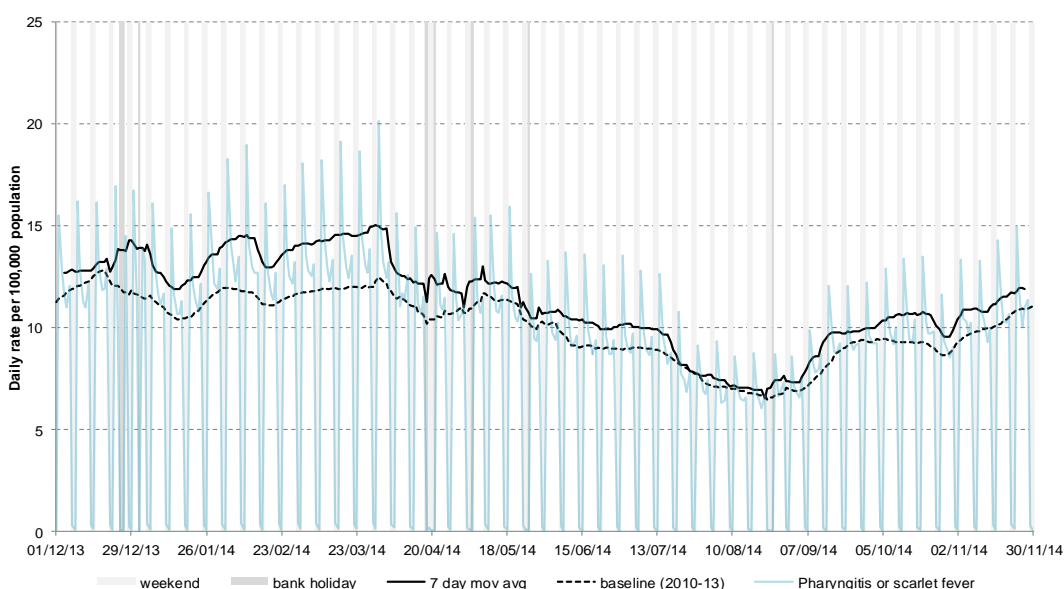
2a: Influenza-like illness (ILI) by age

Average daily incidence rate by week per 100,000 population (all England)



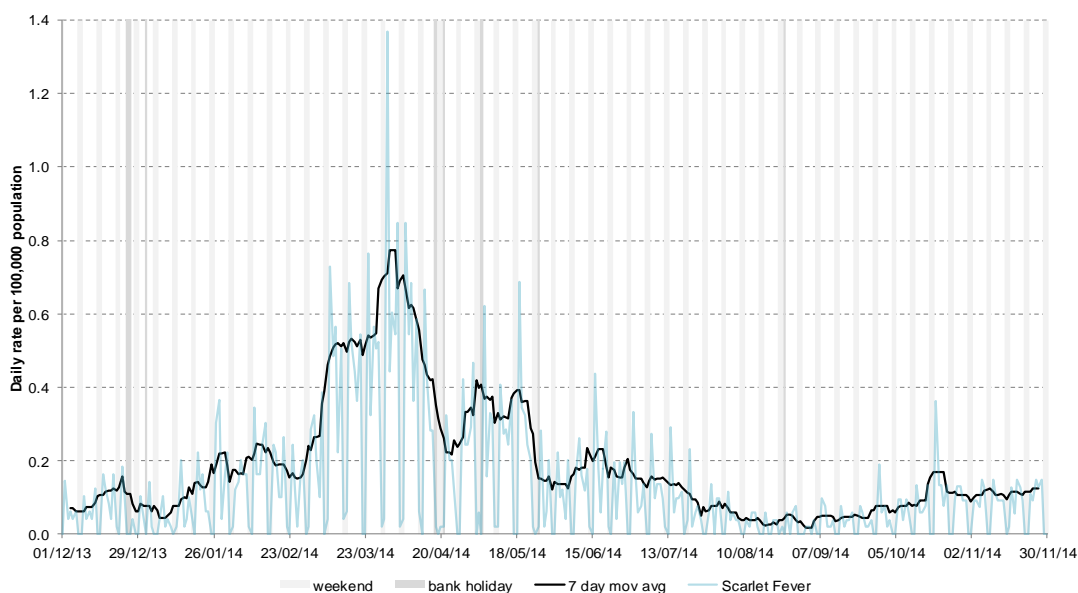
3: Pharyngitis or scarlet fever

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



4: Scarlet fever

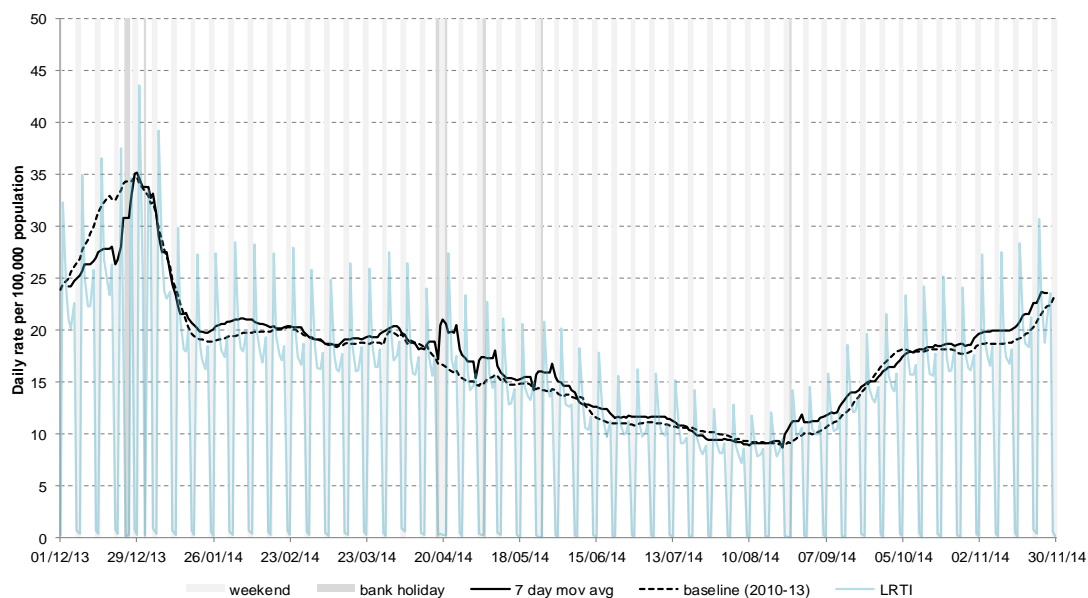
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages, based on a population denominator of approximately 5.5 million patients).



* 7-day moving average adjusted for bank holidays.

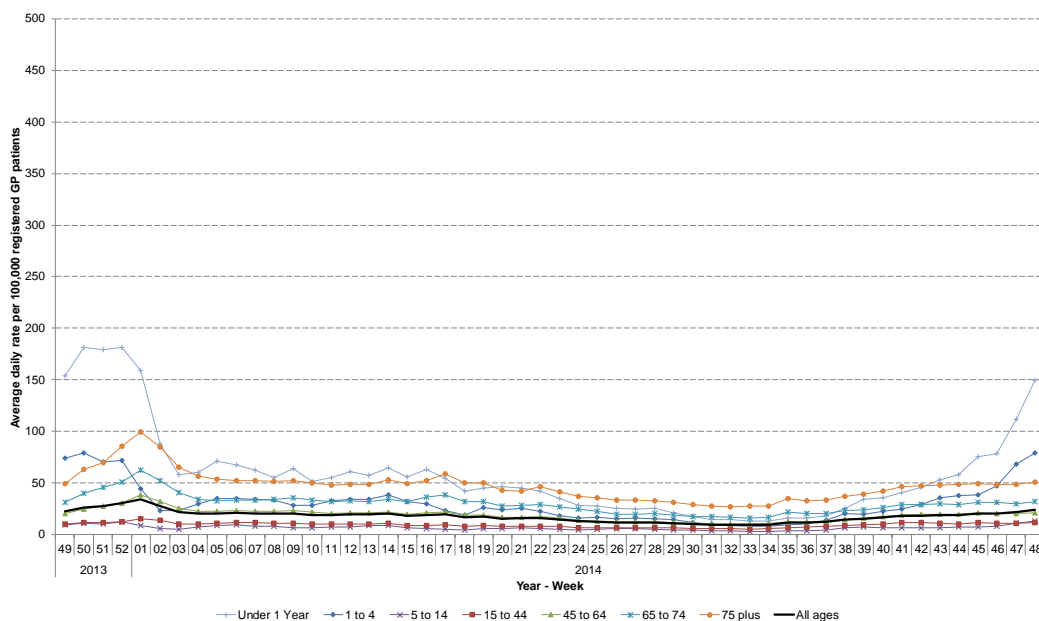
5: Lower respiratory tract infection (LRTI)

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



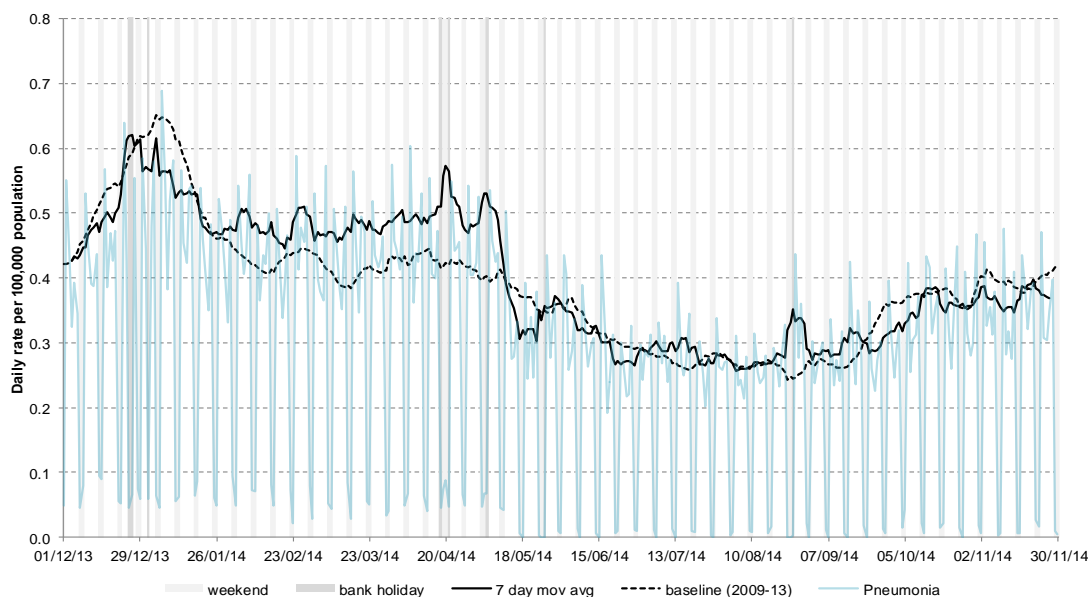
5a: Lower respiratory tract infection (LRTI) by age

Average daily incidence rate by week per 100,000 population (all England)



6: Pneumonia

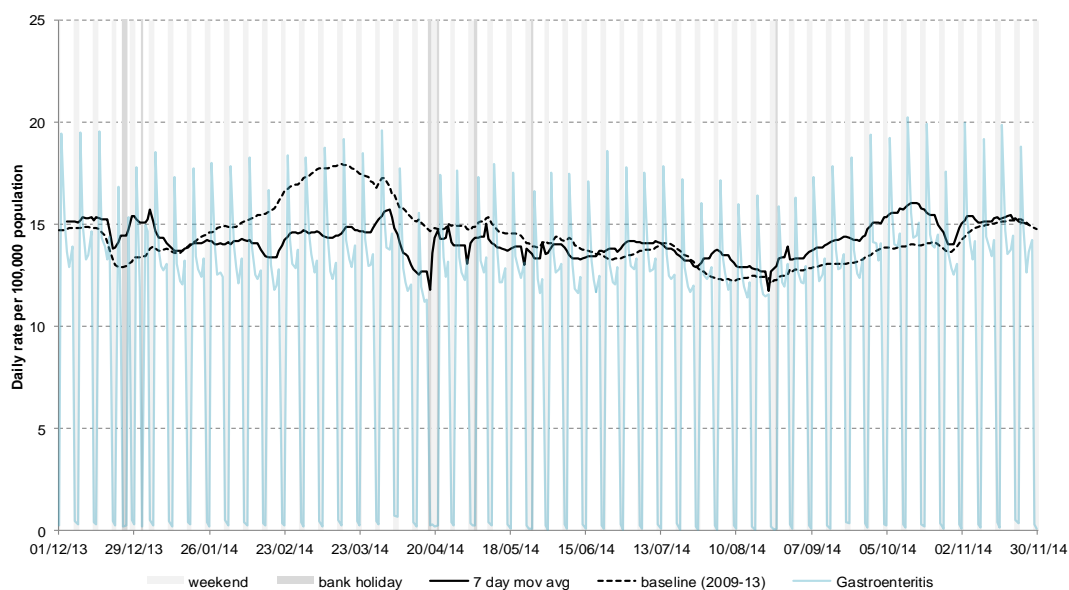
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

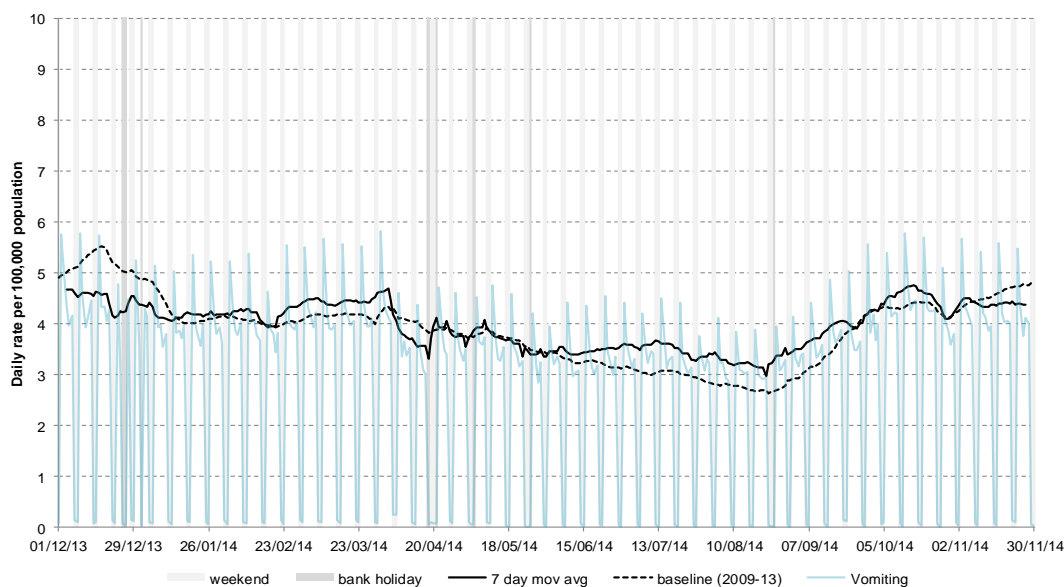
7: Gastroenteritis

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



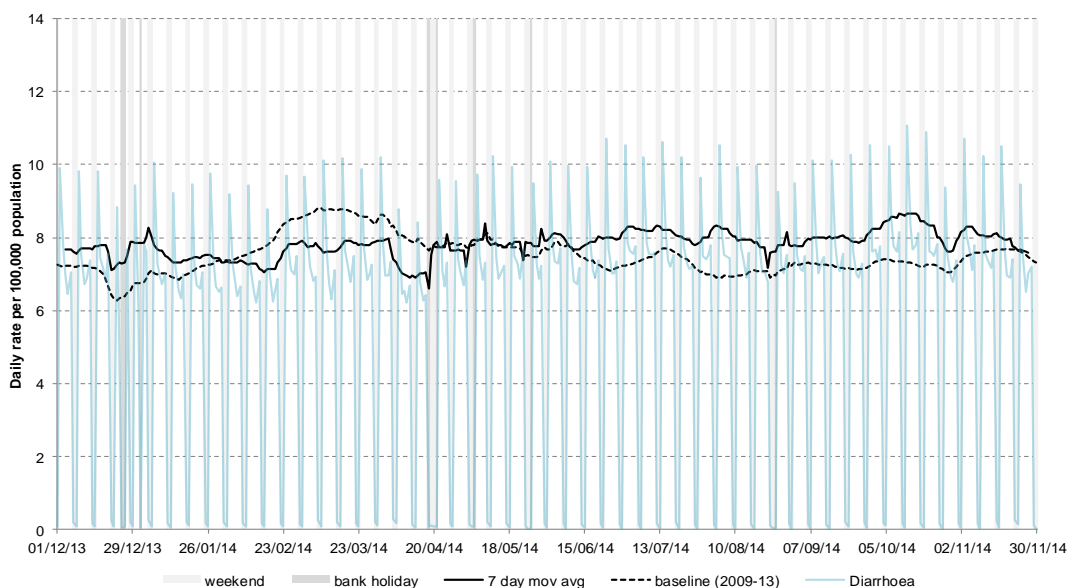
8: Vomiting

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



9: Diarrhoea

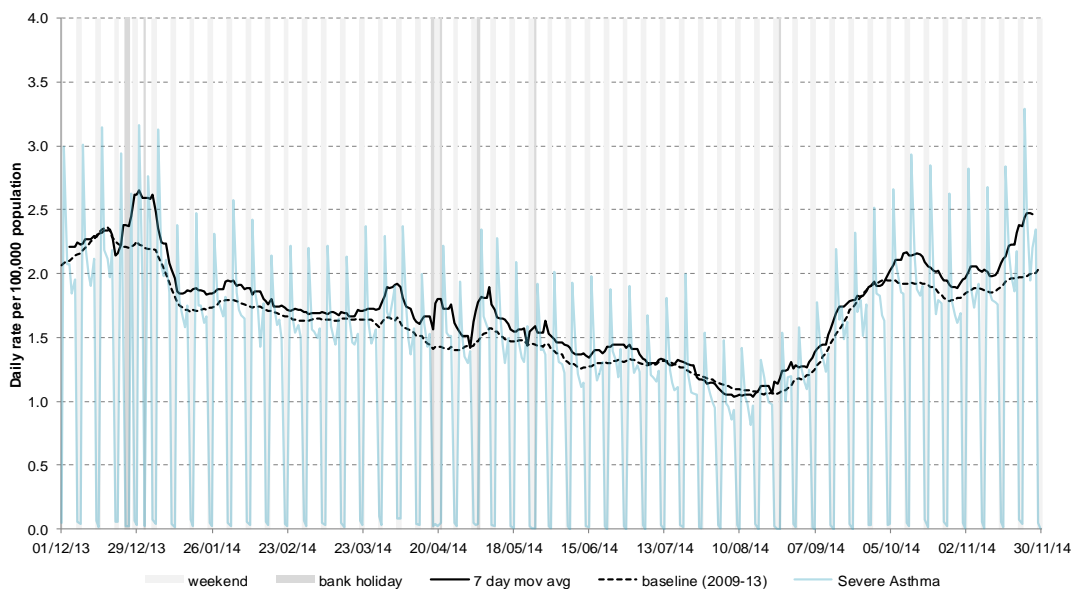
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

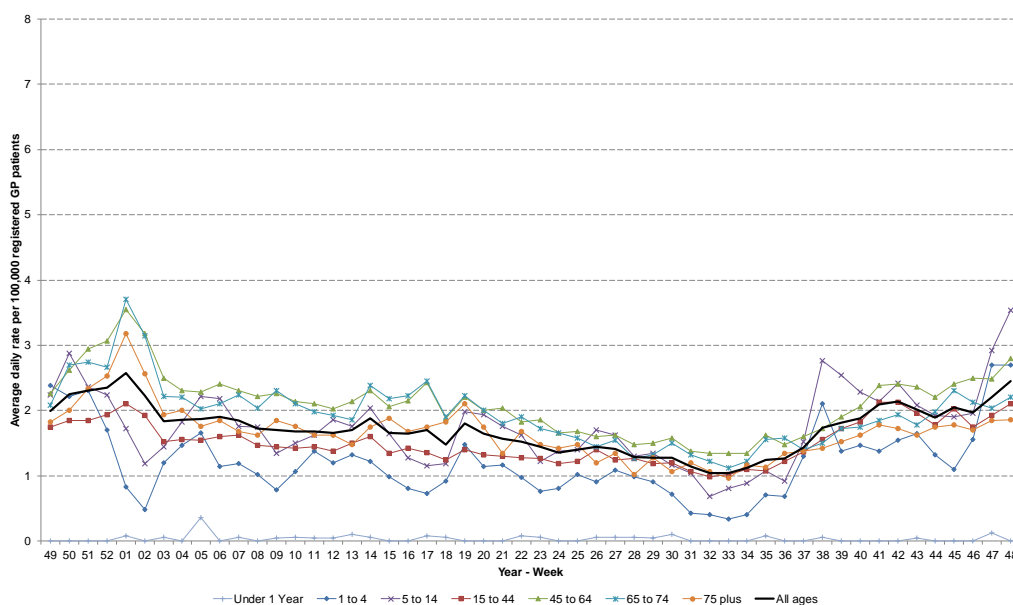
10: Severe asthma

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



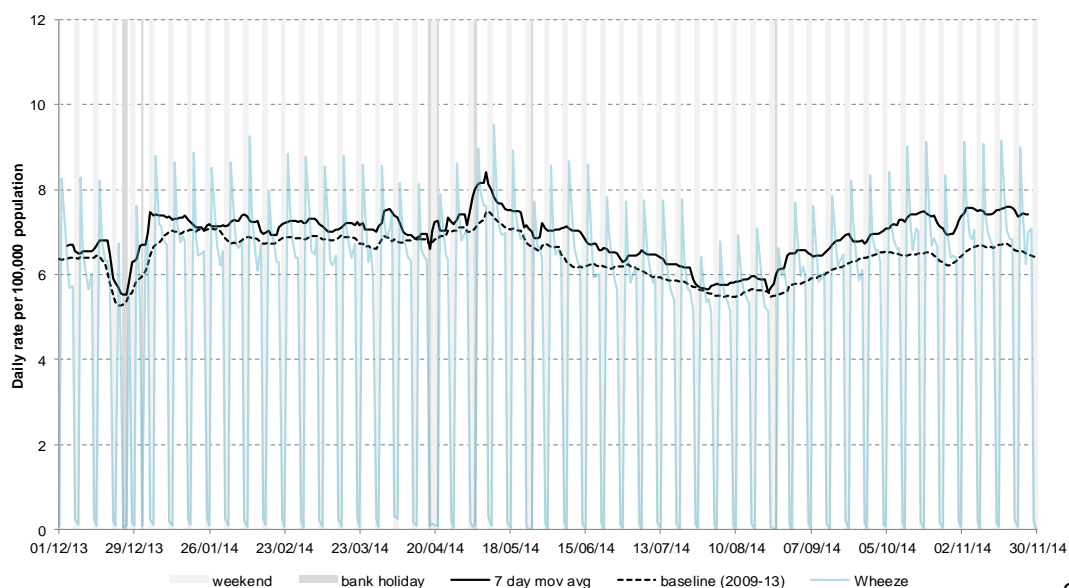
10a: Severe asthma by age

Average daily incidence rate by week per 100,000 population (all England)



11: Wheeze

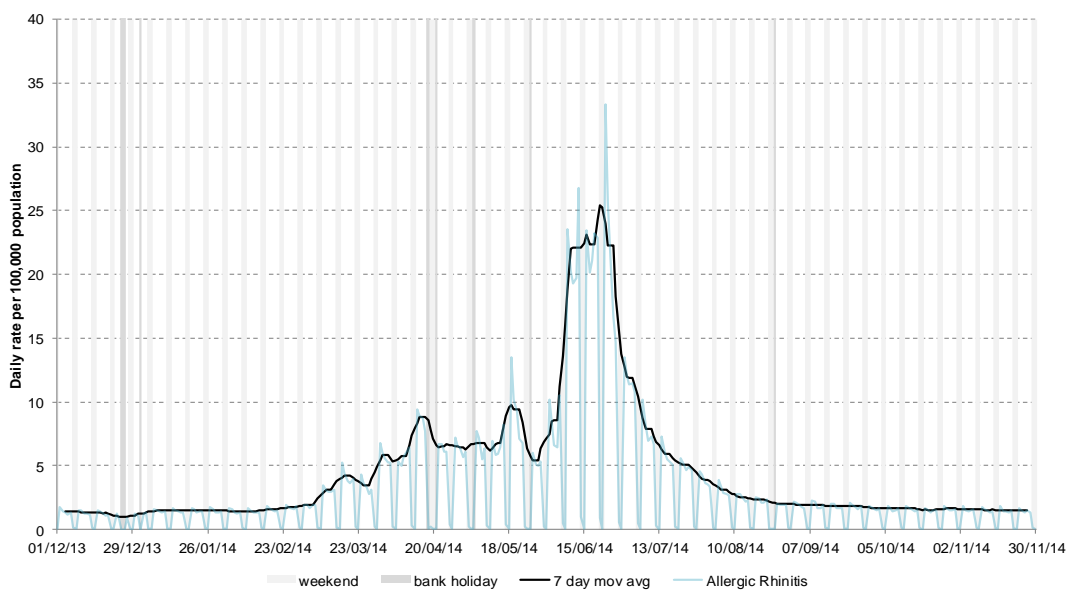
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

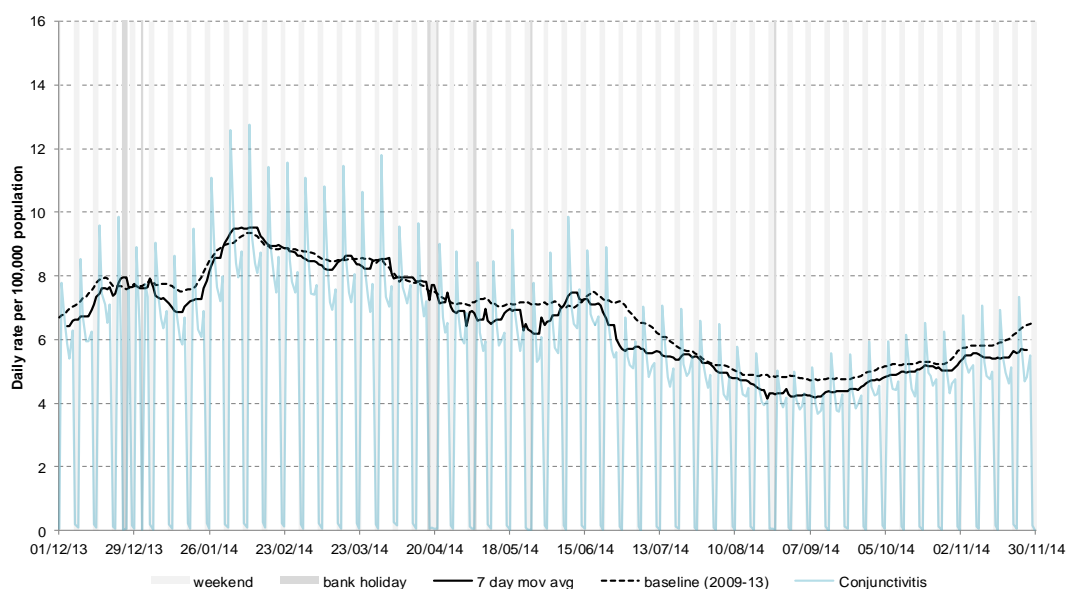
12: Allergic rhinitis

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



13: Conjunctivitis

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



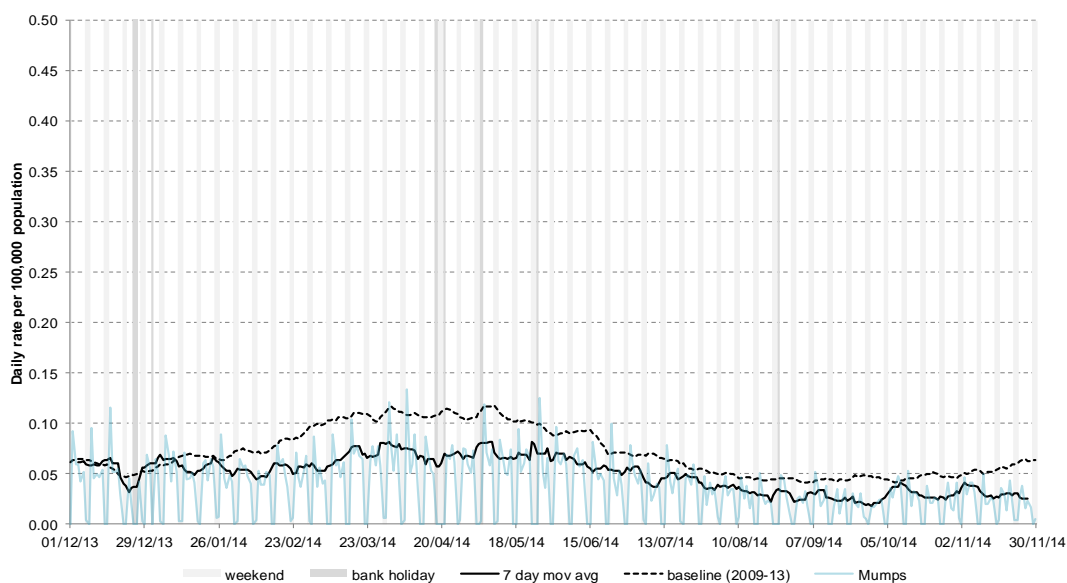
14: Intentionally left blank

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* 7-day moving average adjusted for bank holidays.

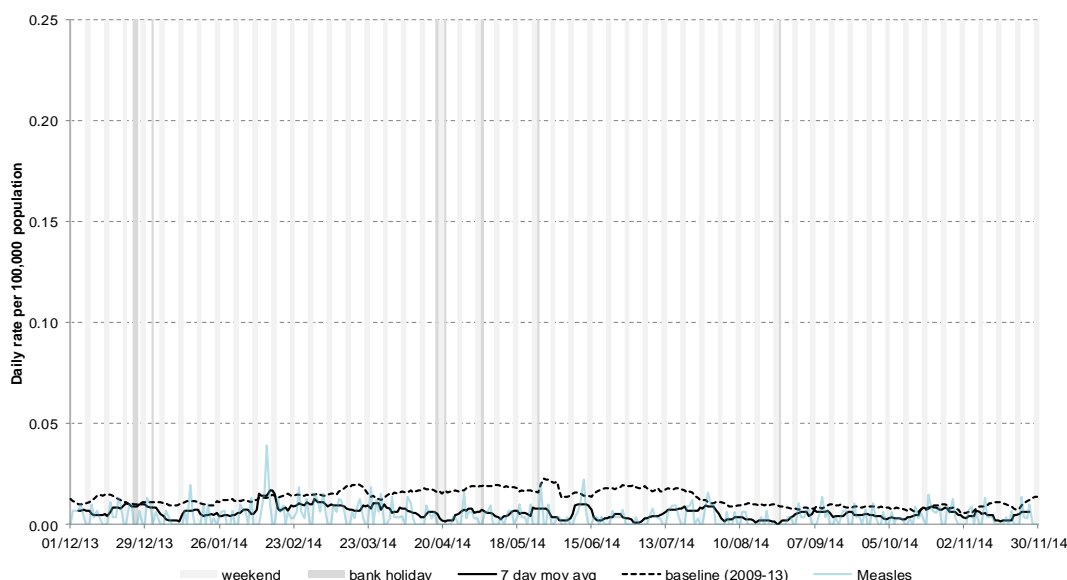
15: Mumps

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



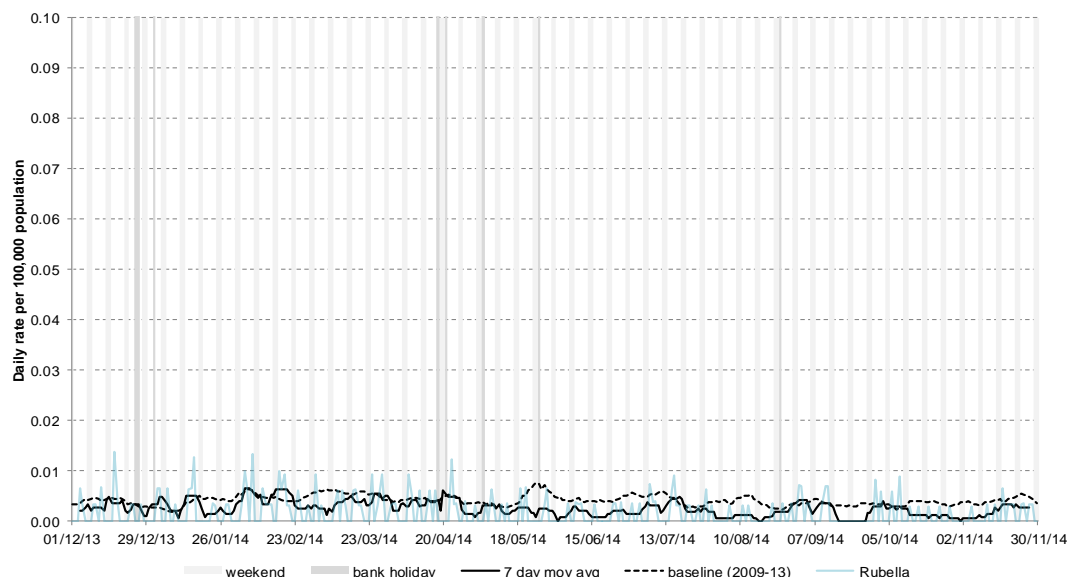
16: Measles

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



17: Rubella

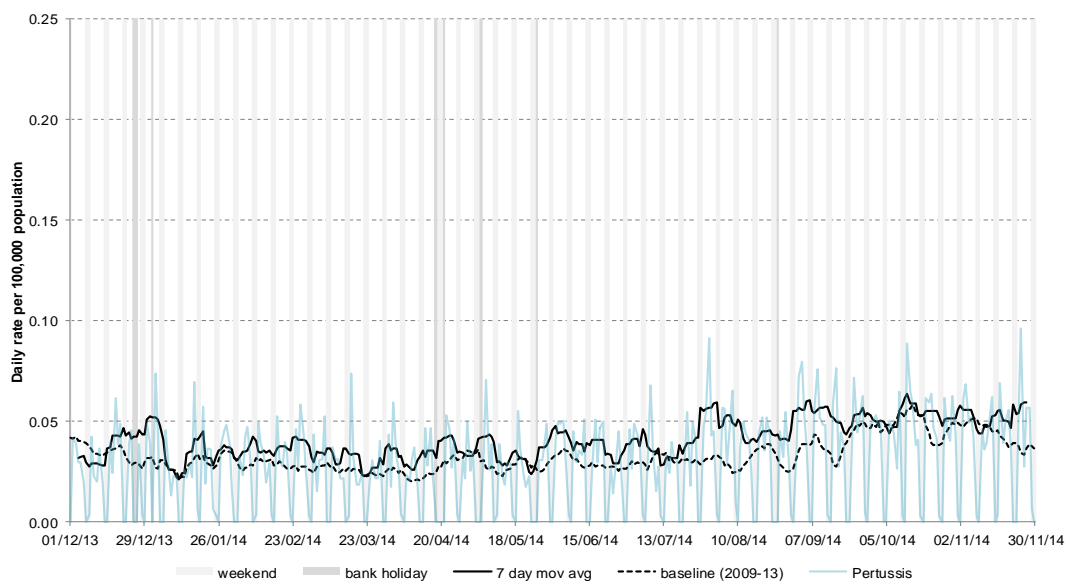
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

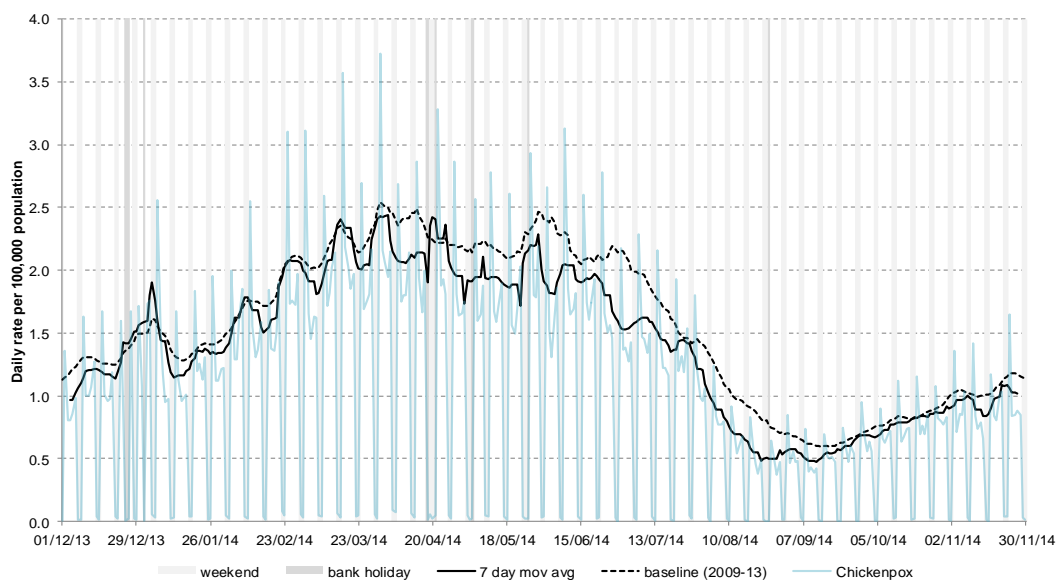
18: Pertussis

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



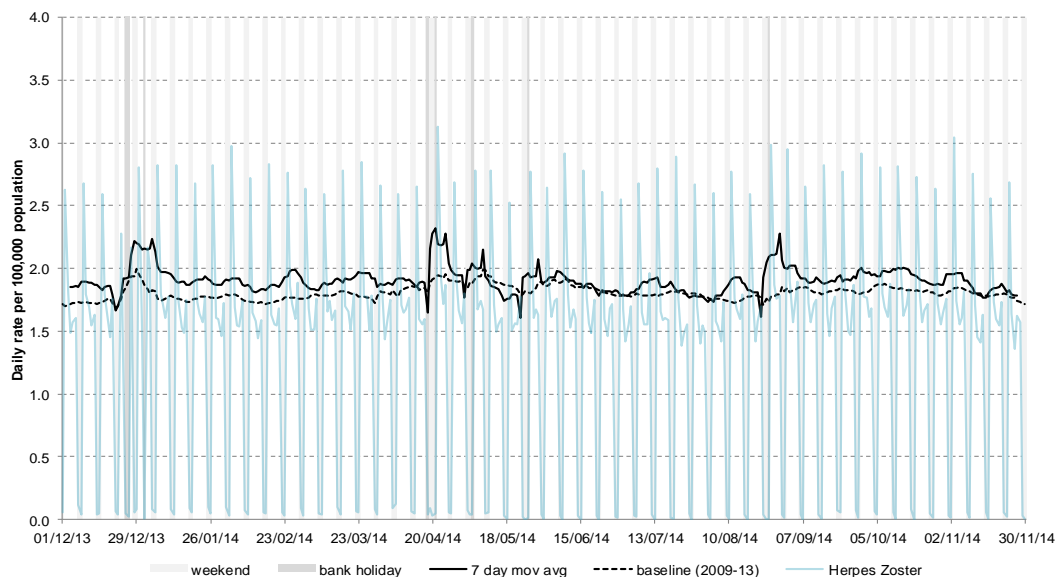
19: Chickenpox

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



20: Herpes zoster

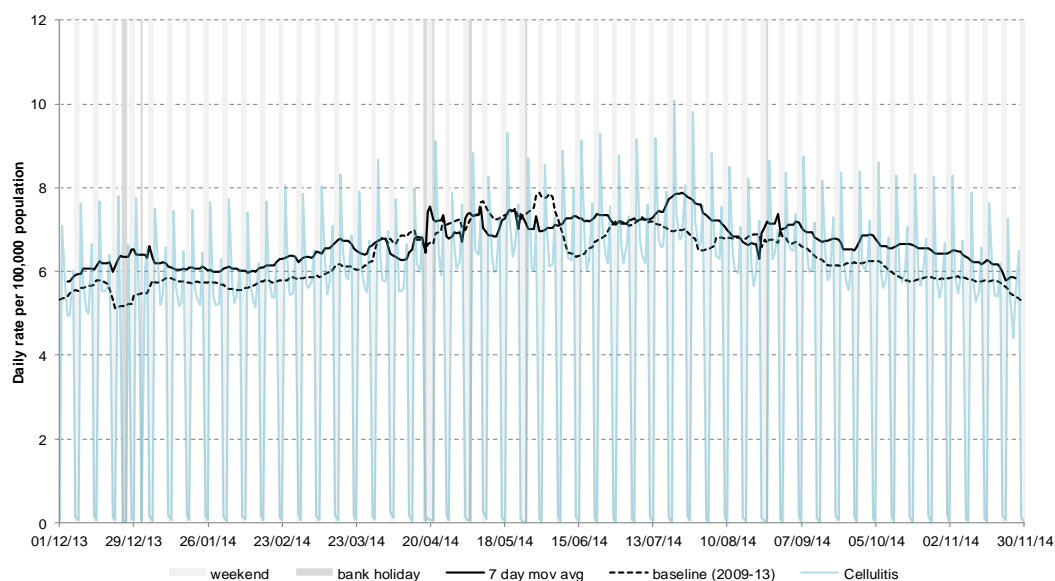
Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



* 7-day moving average adjusted for bank holidays.

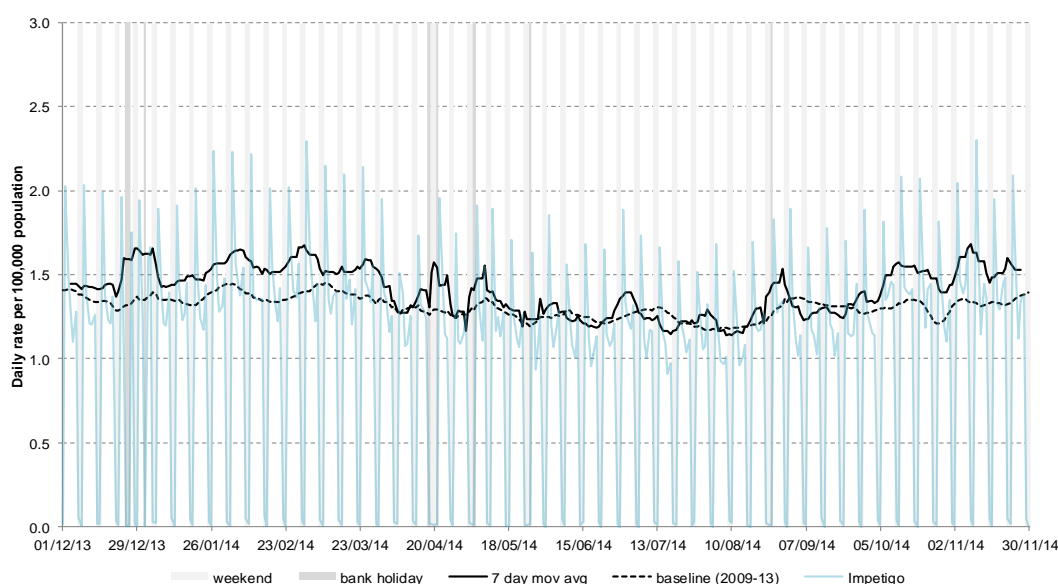
21: Cellulitis

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



22: Impetigo

Daily incidence rate (and 7-day moving average*) per 100,000 population (all England, all ages).



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* 7-day moving average adjusted for bank holidays.

Notes and further information

- The Public Health England GP in hours surveillance system is a syndromic surveillance system monitoring community-based morbidity recorded by GP practices.
 - This system captures anonymised GP morbidity data from two GP clinical software systems, EMIS, from version 1 of the QSurveillance® database, and TPP SystmOne.
 - Historic baselines are smoothed to remove bank holiday effects. Data from 2009 has been excluded for selected indicators which were affected by the H1N1 influenza pandemic. No baseline is currently included for allergic rhinitis.
 - The appendix illustrates weekly GP in hours consultation data for influenza-like illness (ILI). Each PHE Centre is represented by a thematic map showing its constituent local authorities (LA) coloured according to the weekly consultation rate of ILI per 100,000 population. LAs where less than 5 cases of ILI have been reported are suppressed and illustrated as no data.
 - The maps on the following pages contains Ordnance Survey data © Crown copyright and database right 2014. Contains National Statistics data © Crown copyright and database right 2014.
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Acknowledgements:

We thank and acknowledge the University of Nottingham, ClinRisk® and the contribution of EMIS and EMIS practices. Data source: version 1 of the QSurveillance® database.

We thank TPP, ResearchOne and the SystmOne GP practices contributing to this surveillance system.

GP In Hours Syndromic Surveillance System Bulletin.

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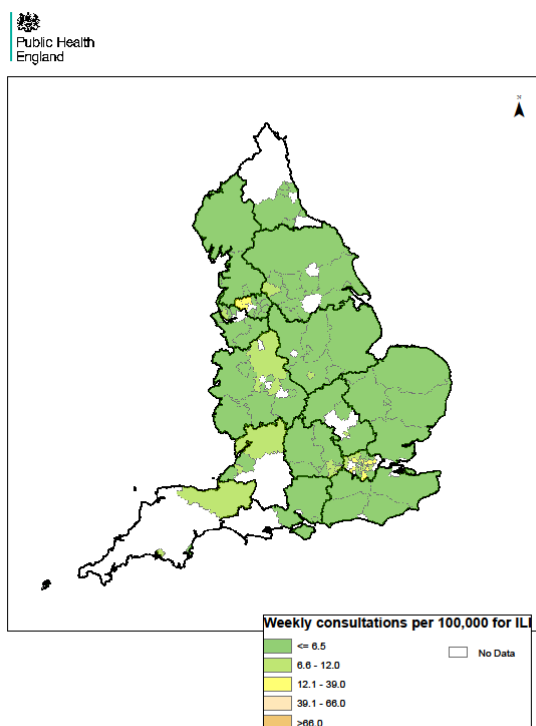
Web: <https://www.gov.uk/government/collections/syndromic-surveillance-systems-and-analyses>

Contact ReSST:
syndromic-surveillance
@phe.gov.uk

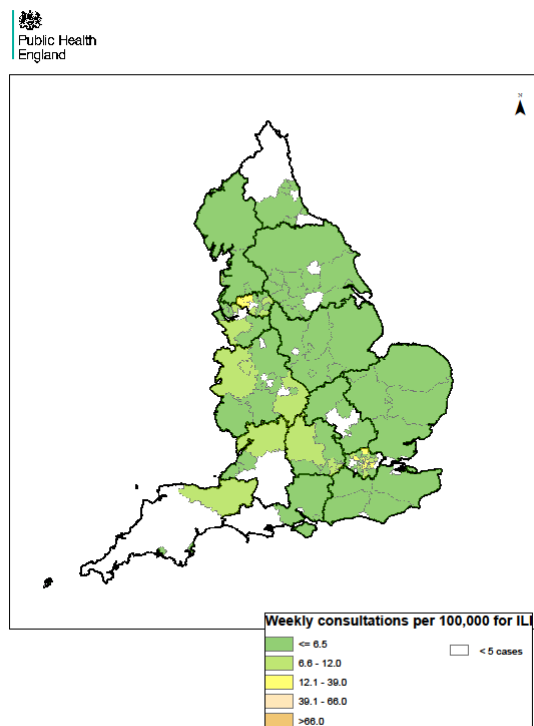
England

Weekly ILI
consultation
rate by LA
for England

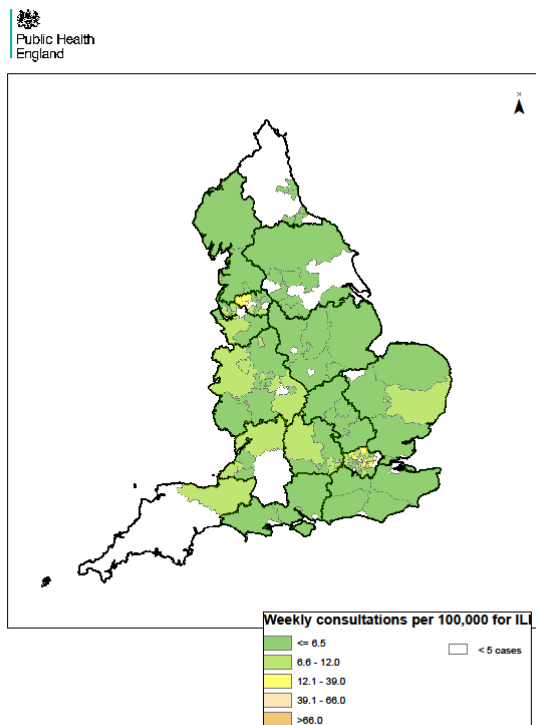
Week 45



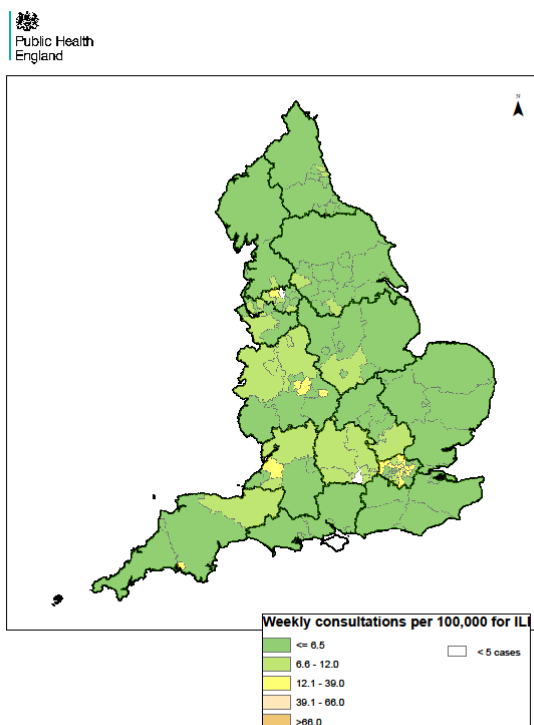
Week 46



Week 47



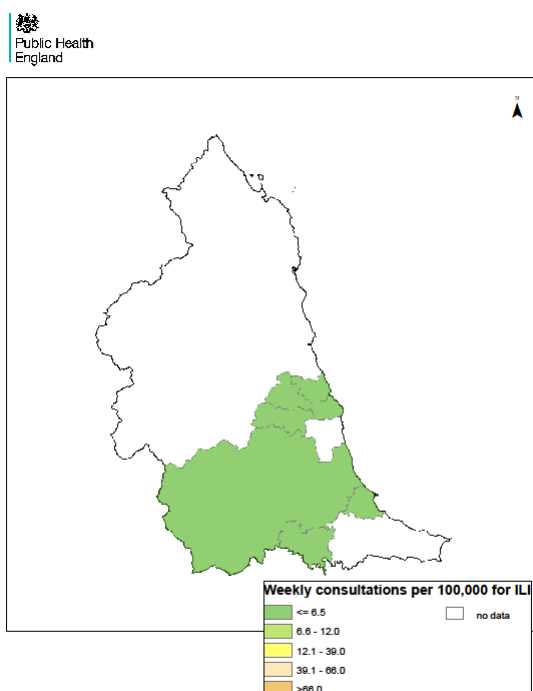
Week 48



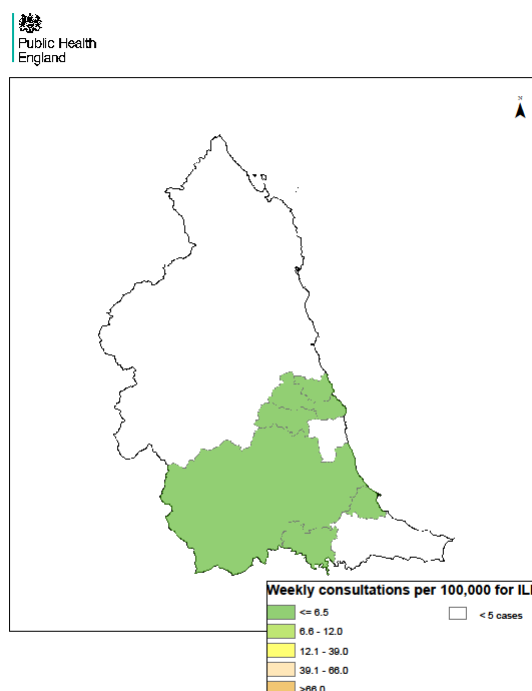
North East

Weekly ILI
consultation
rate by LA
for North
East PHE
Centre

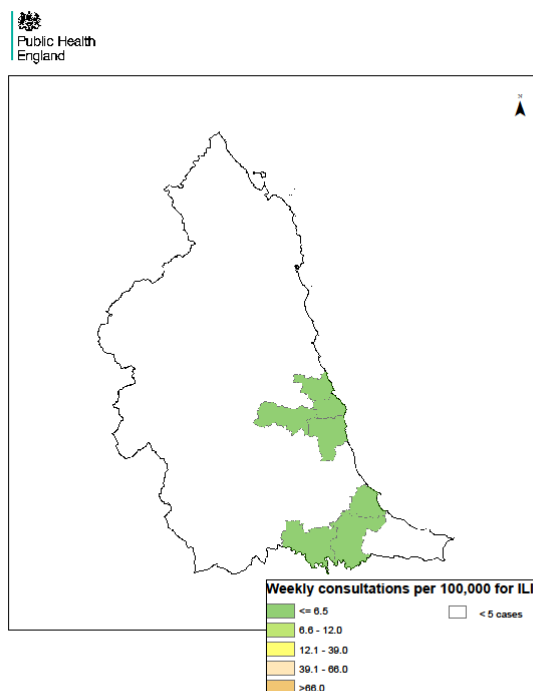
Week 45



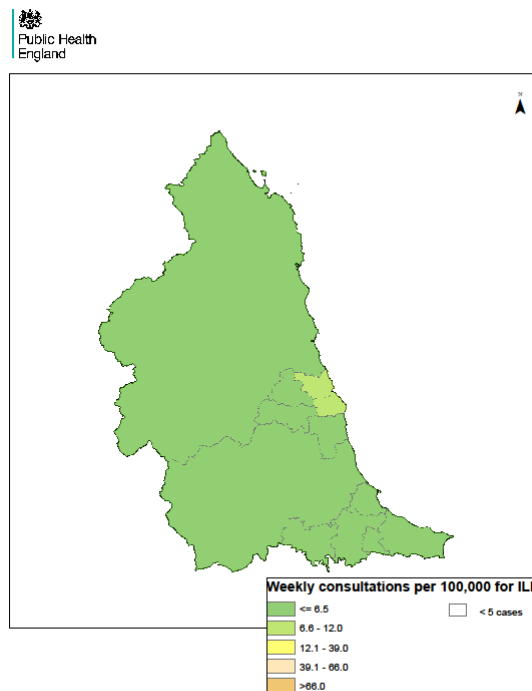
Week 46



Week 47



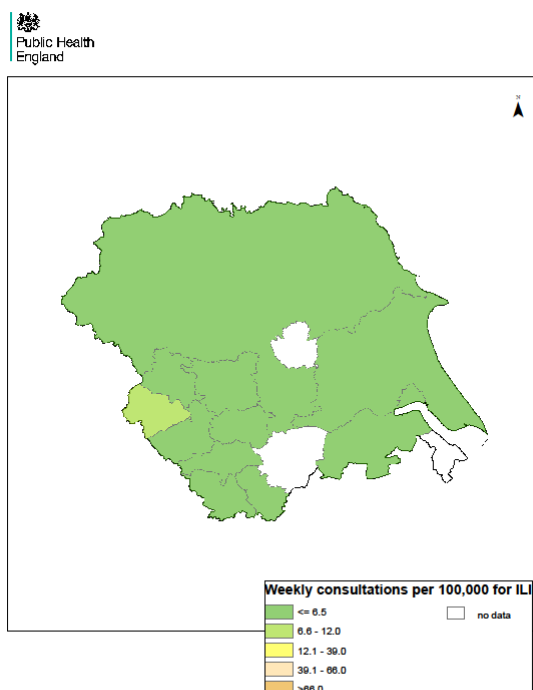
Week 48



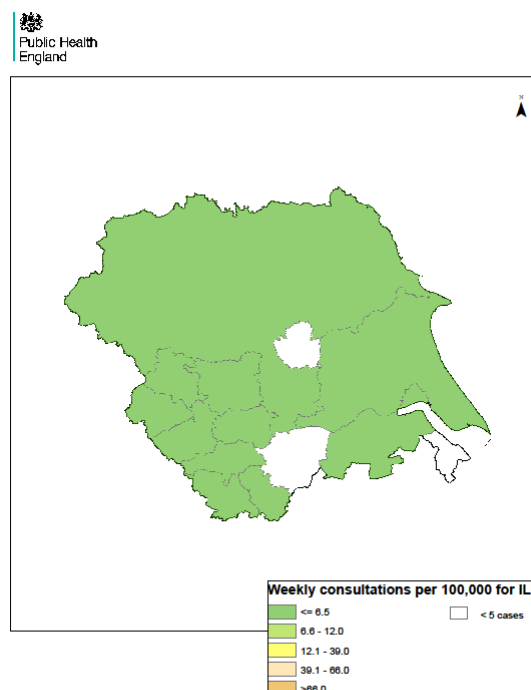
Yorkshire & Humber

Weekly ILI consultation rate by LA for Yorkshire & Humber PHE Centre

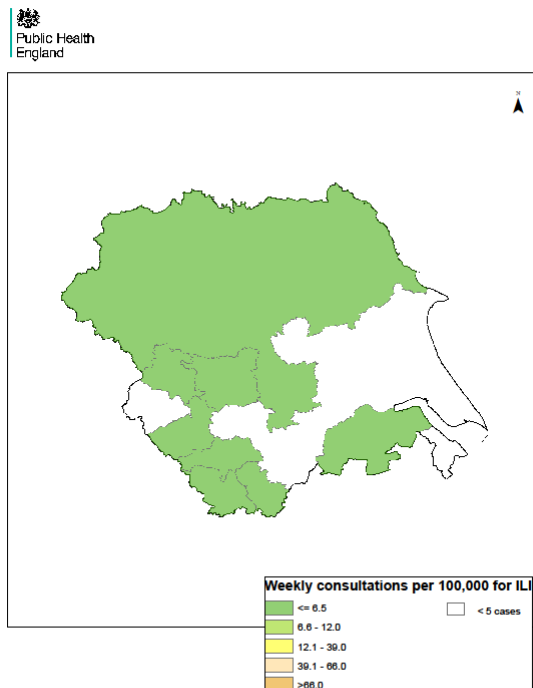
Week 45



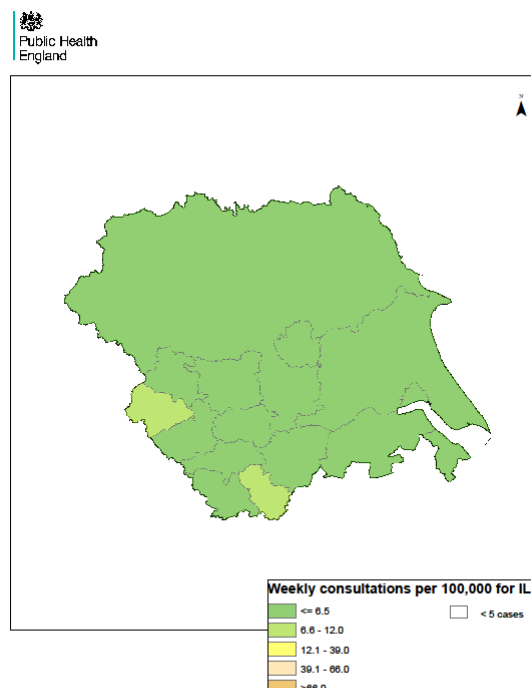
Week 46



Week 47



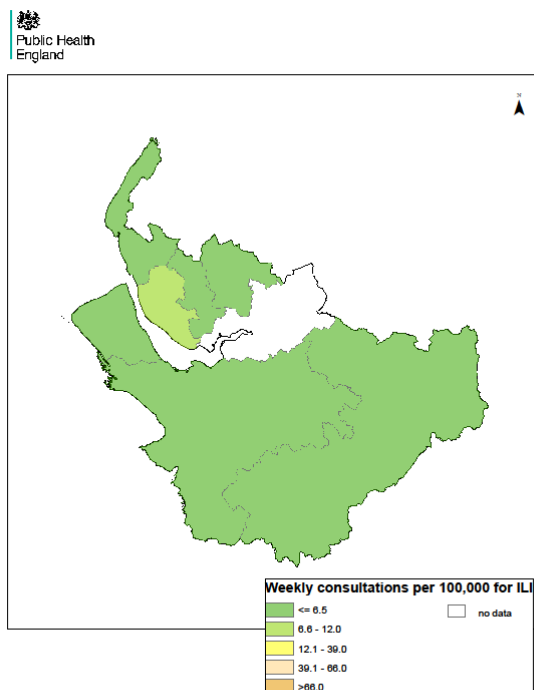
Week 48



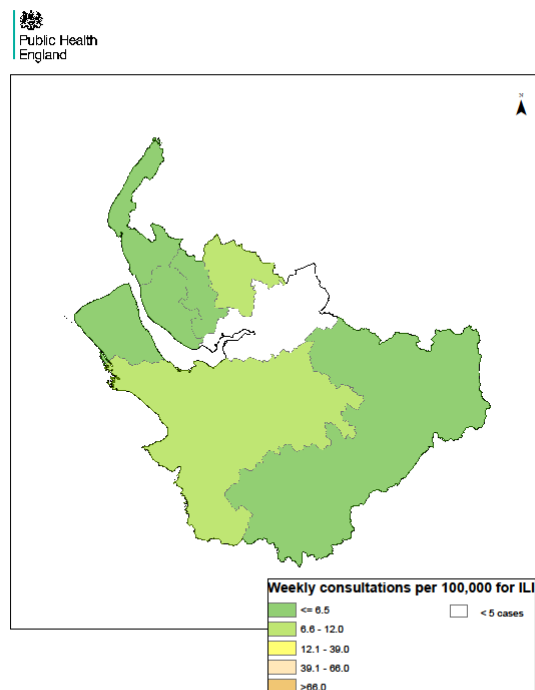
Cheshire & Merseyside

Weekly ILI consultation rate by LA for Cheshire & Merseyside PHE Centre

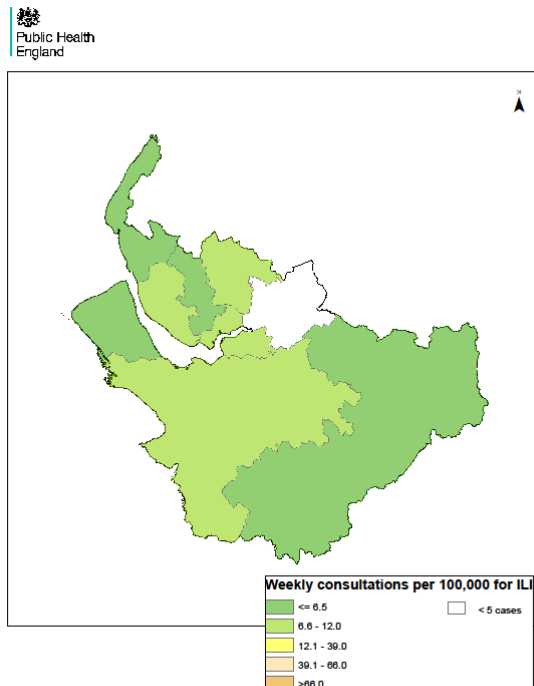
Week 45



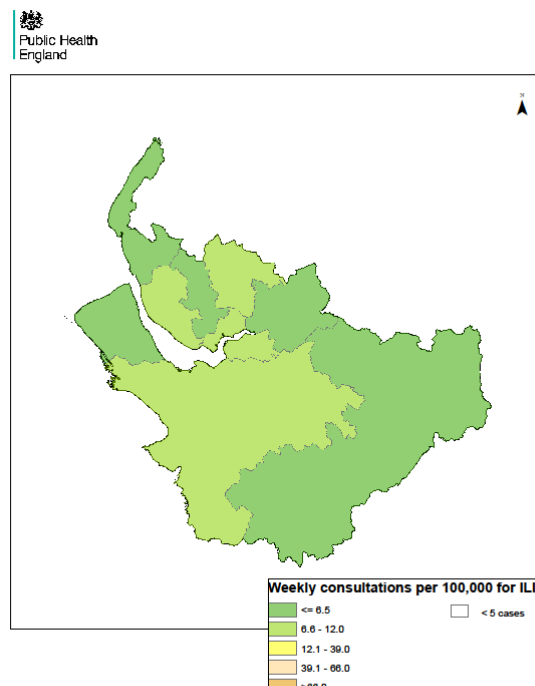
Week 46



Week 47



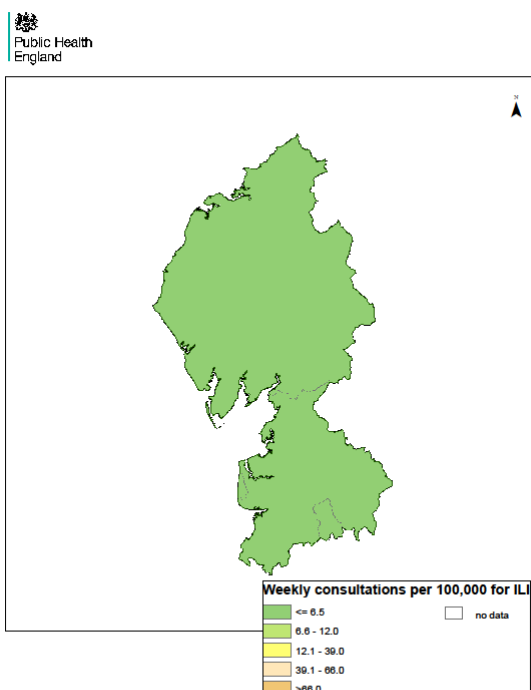
Week 48



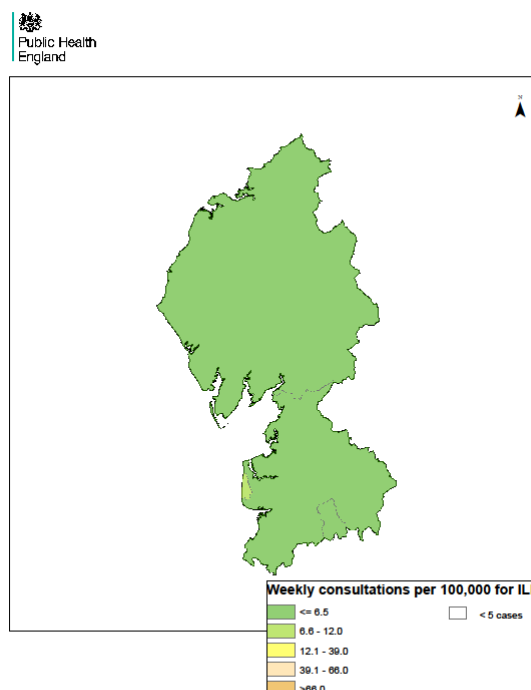
Cumbria & Lancashire

Weekly ILI
consultation
rate by LA
for Cumbria
& Lancashire
PHE Centre

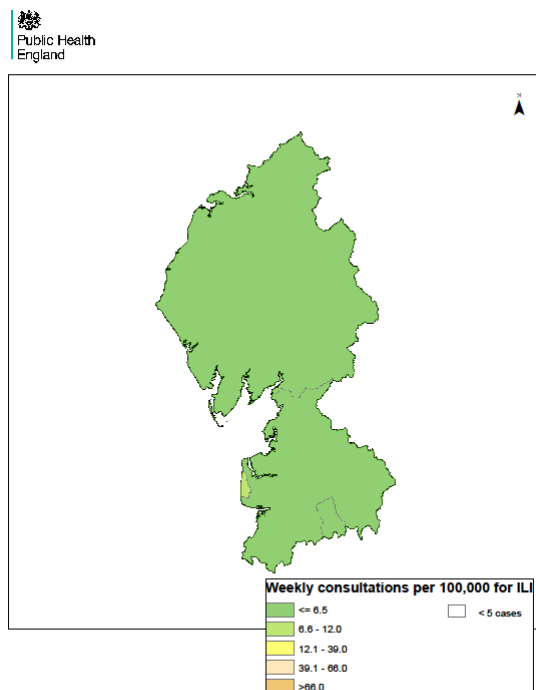
Week 45



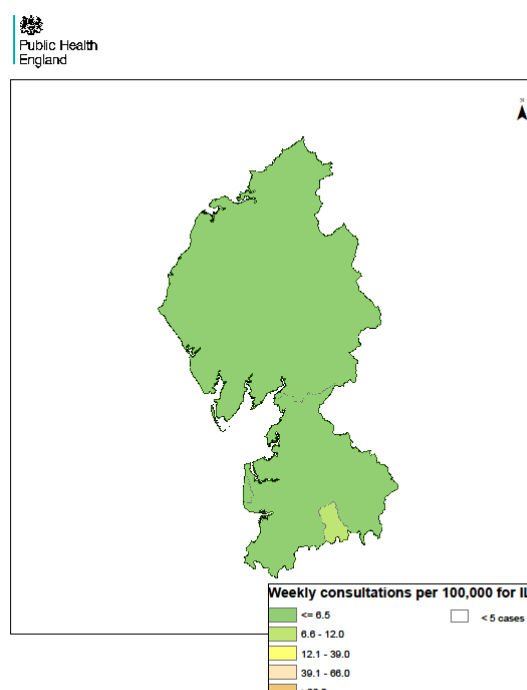
Week 46



Week 47



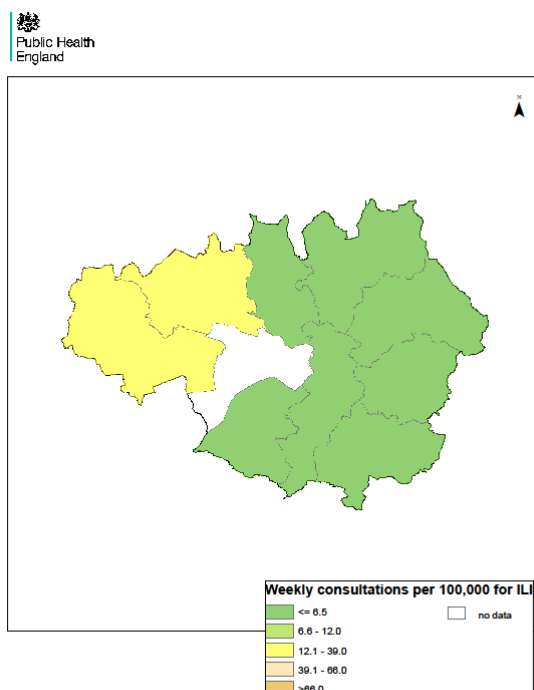
Week 48



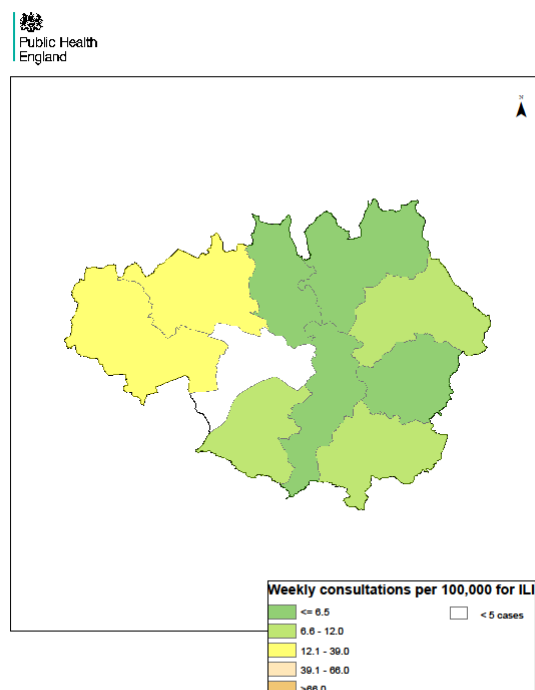
5: Greater Manchester

Weekly ILI consultation rate by LA for Greater Manchester PHE Centre

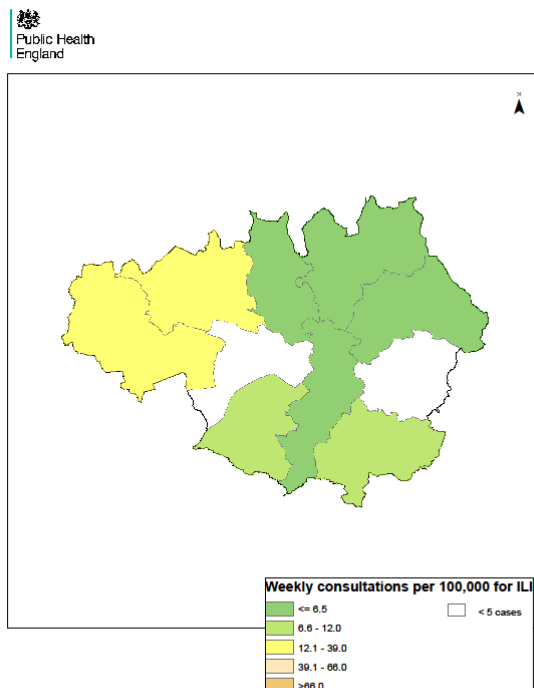
Week 45



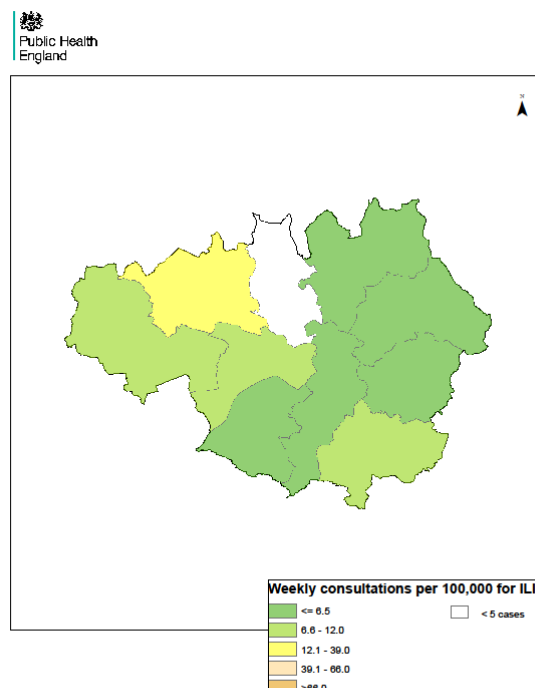
Week 46



Week 47



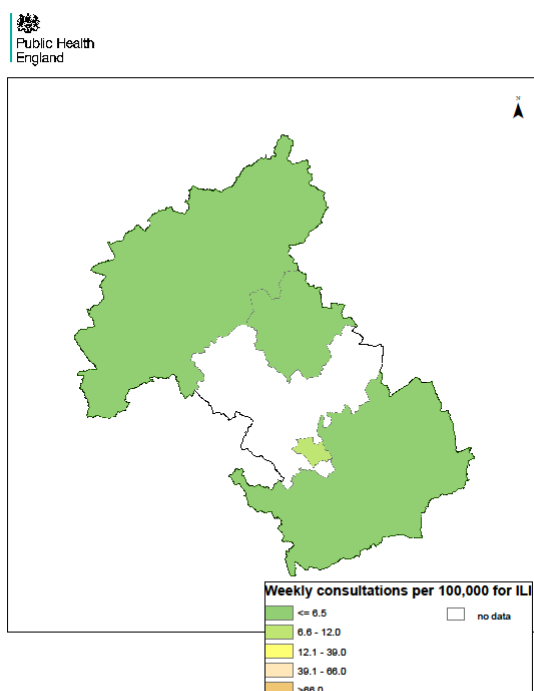
Week 48



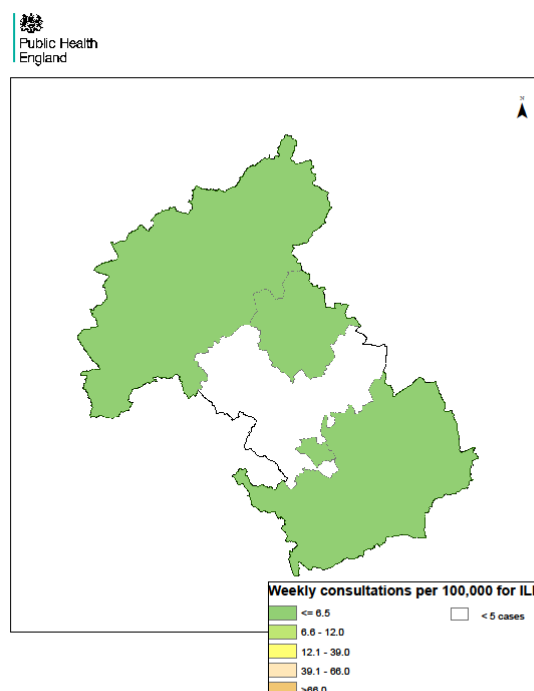
**South
Midlands &
Hertfordshire**

Weekly ILI
consultation
rate by LA
for South
Midlands &
Hertfordshire
PHE Centre

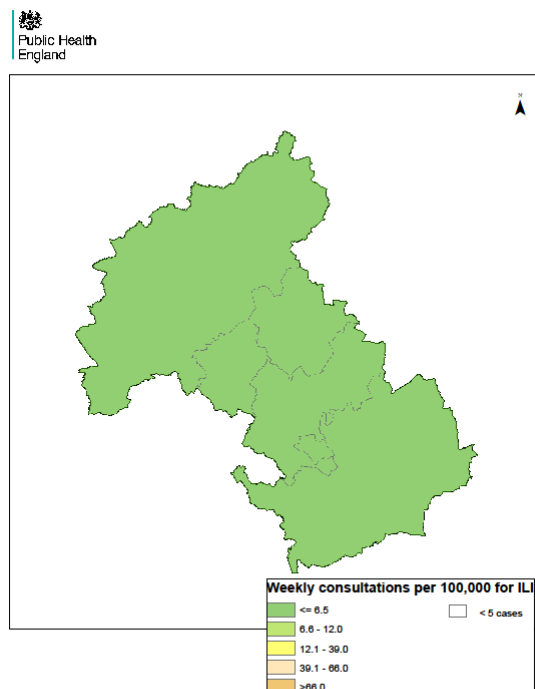
Week 45



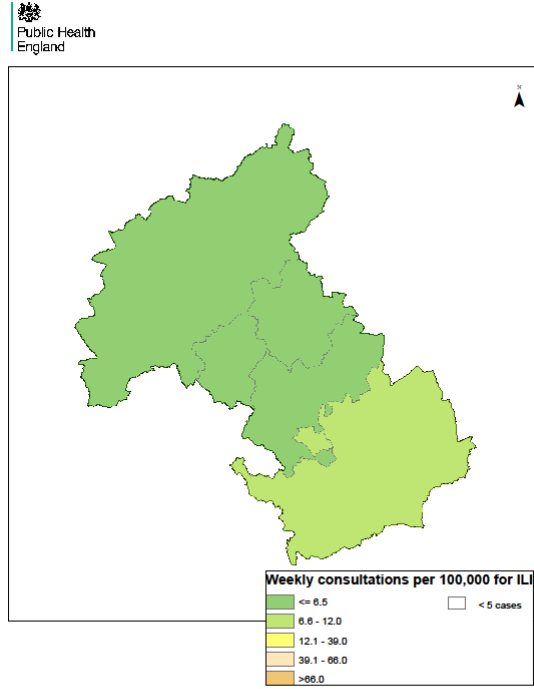
Week 46



Week 47



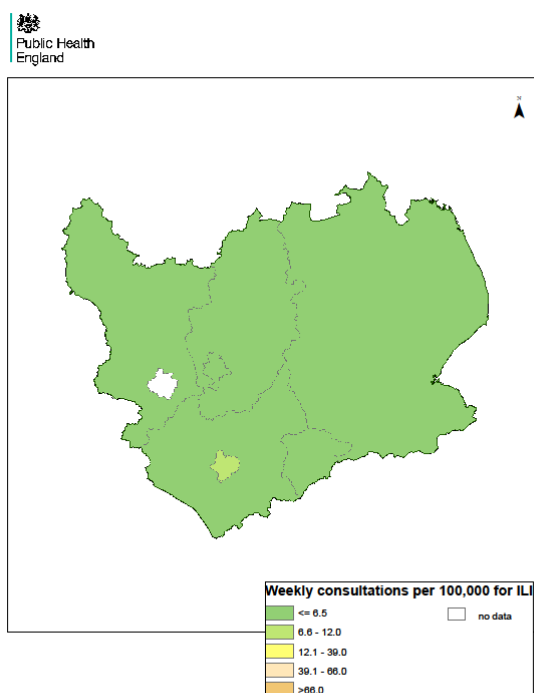
Week 48



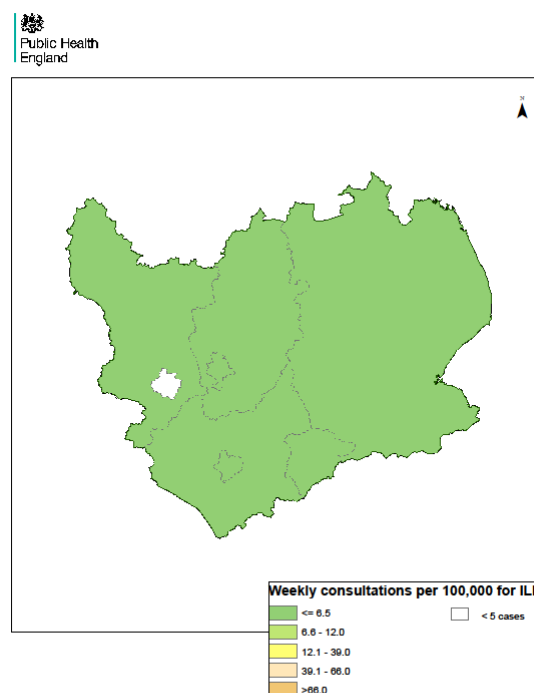
**East
Midlands**

Weekly ILI
consultation
rate by LA
for East
Midlands
PHE Centre

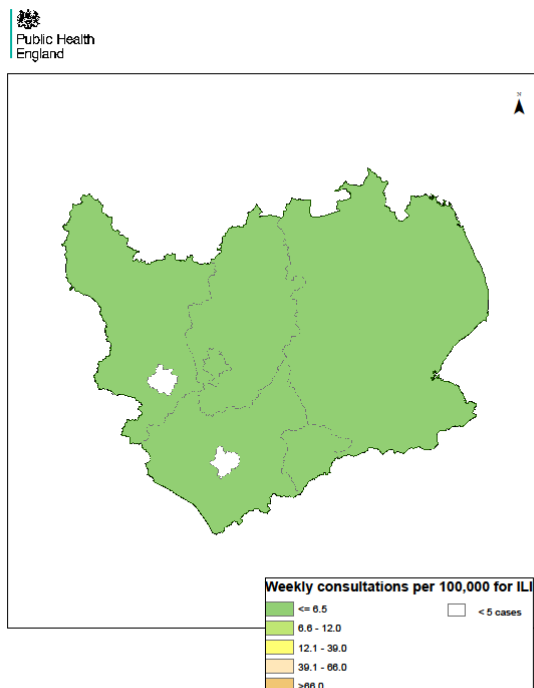
Week 45



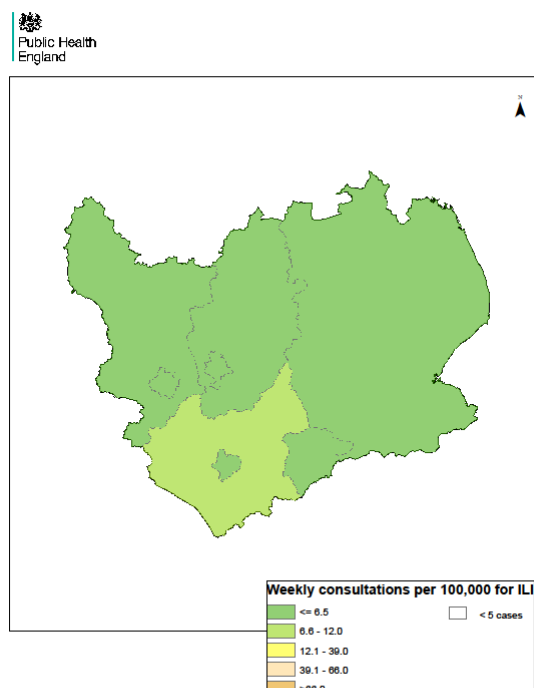
Week 46



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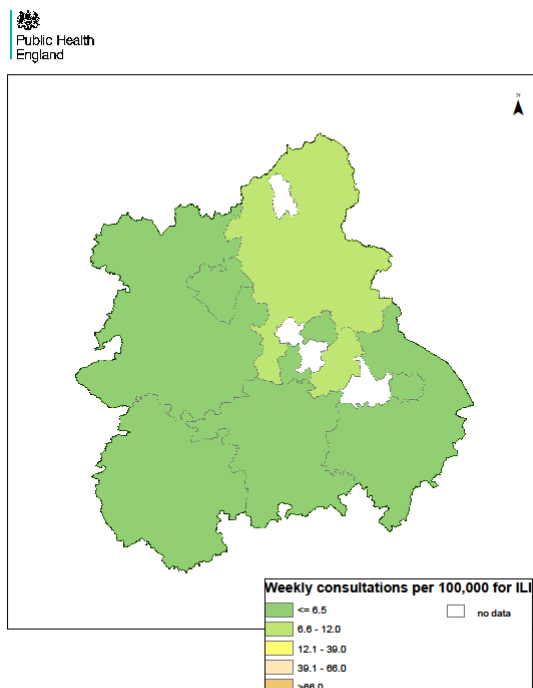
Week 48



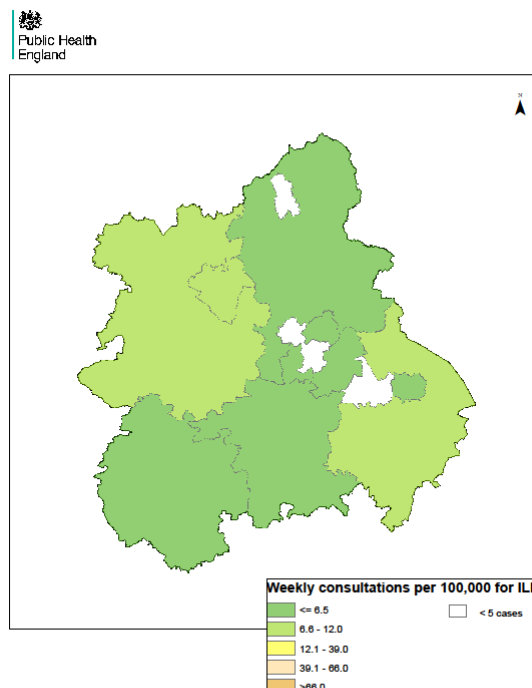
West Midlands

Weekly ILI consultation rate by LA for West Midlands PHE Centre

Week 45



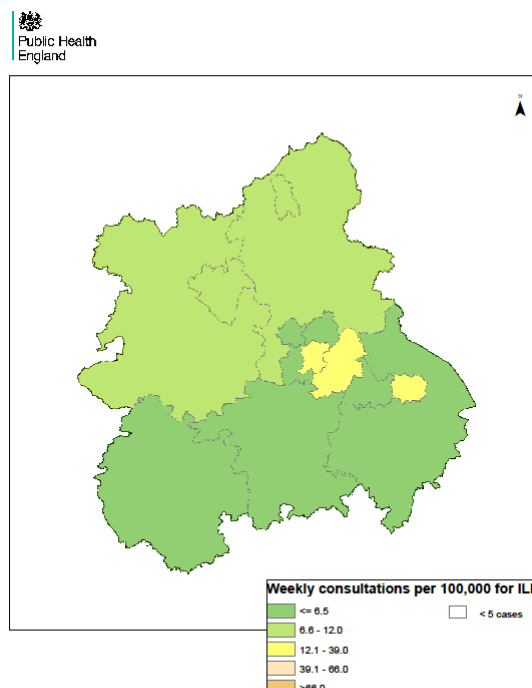
Week 46



Week 47



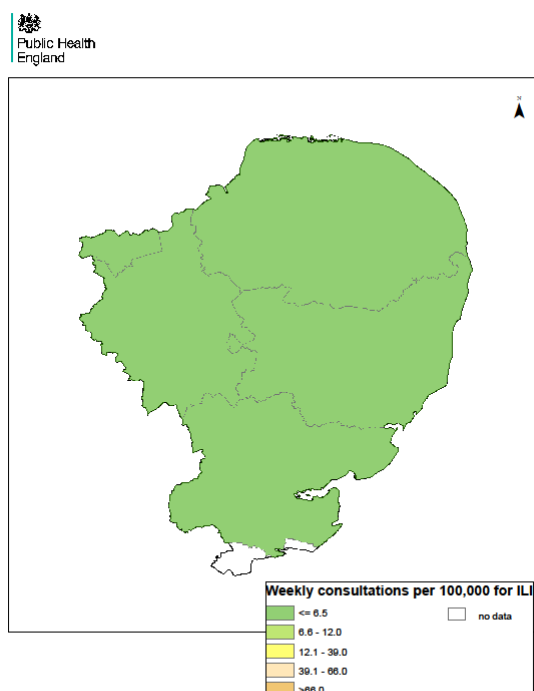
Week 48



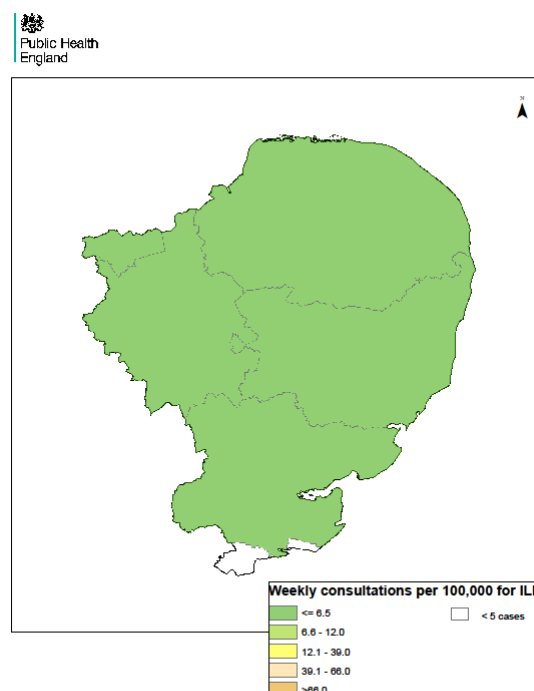
Anglia & Essex

Weekly ILI
consultation
rate by LA
for Anglia &
Essex PHE
Centre

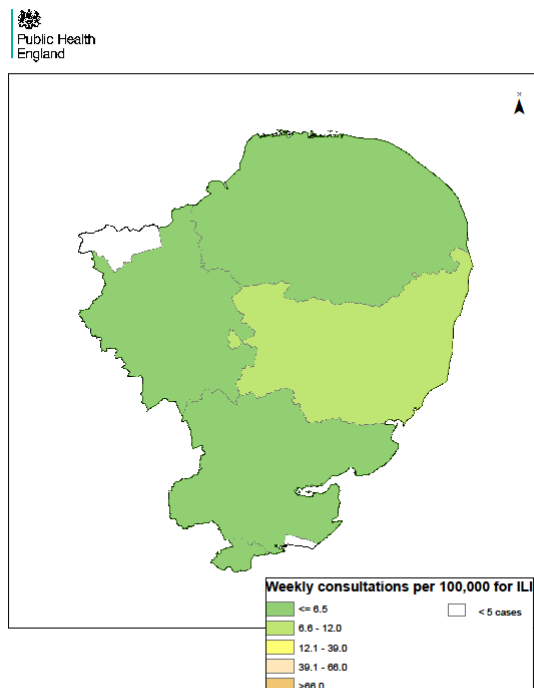
Week 45



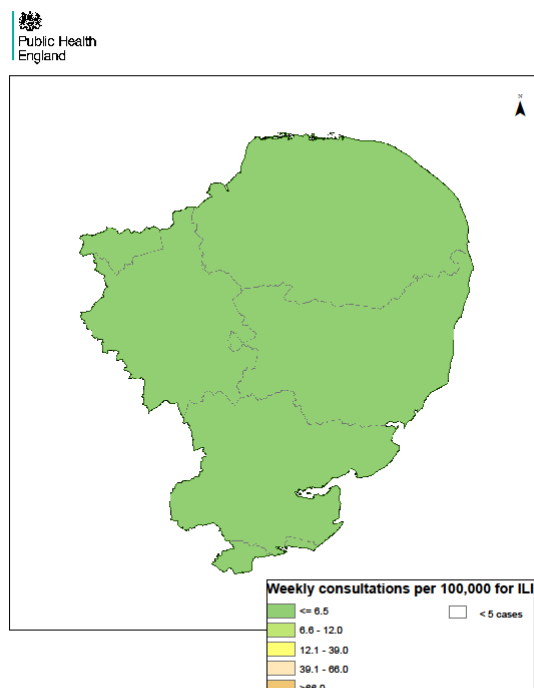
Week 46



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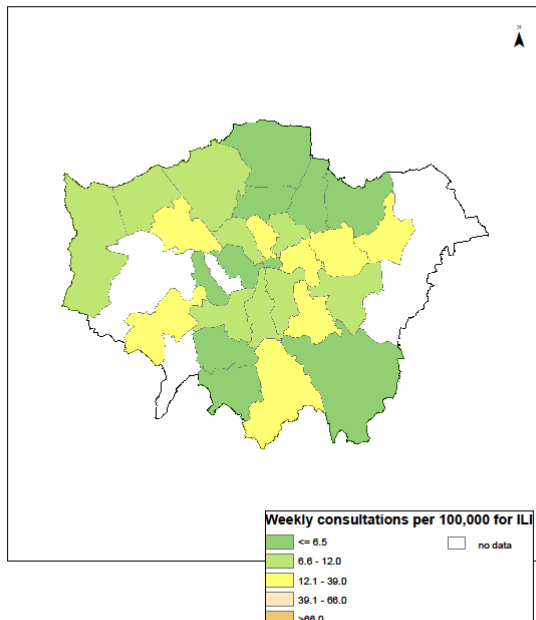
Week 48



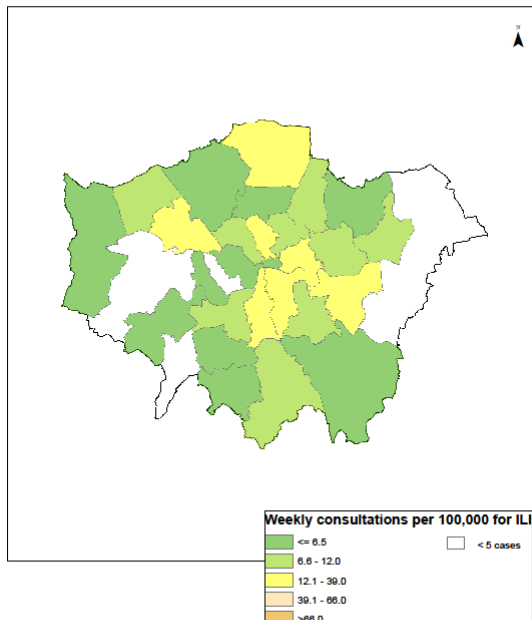
London

Weekly ILI
consultation
rate by LA
for London
PHE Centre

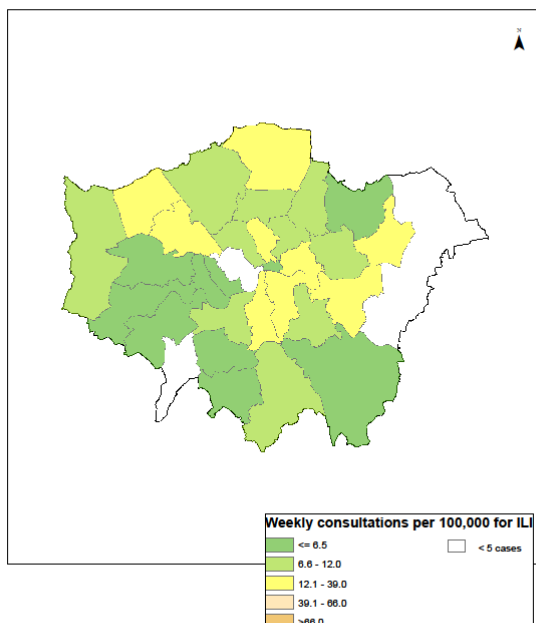
Week 45



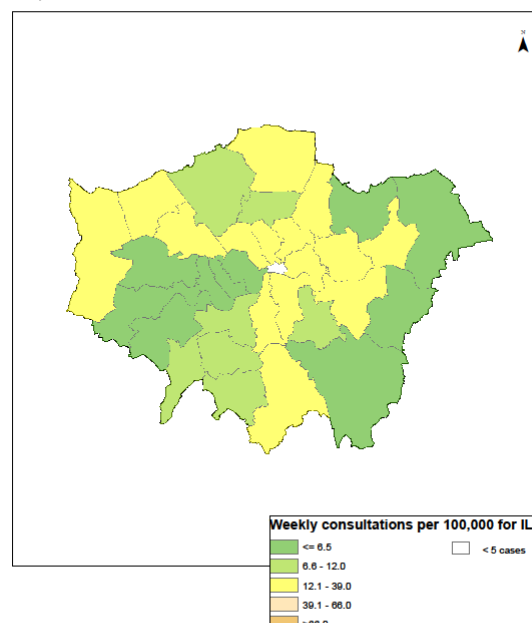
Week 46



Week 47



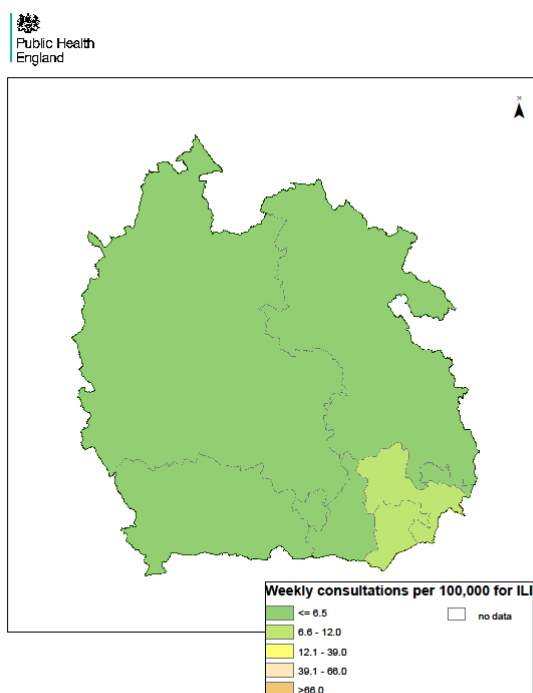
Week 48



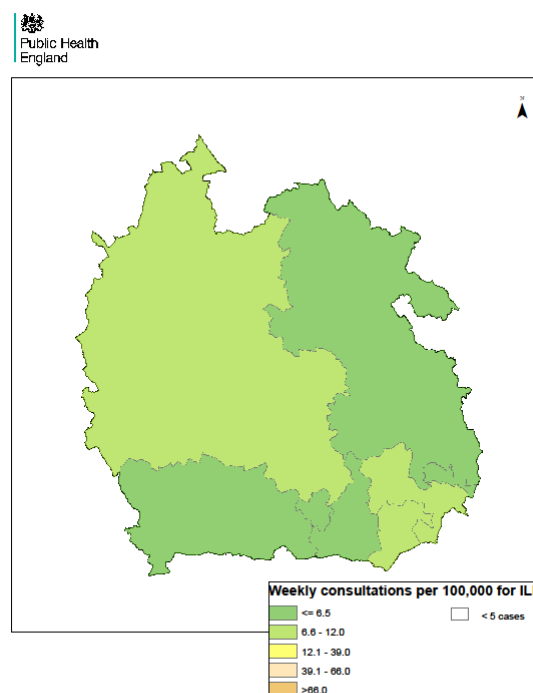
Thames Valley

Weekly ILI
consultation
rate by LA
for Thames
Valley PHE
Centre

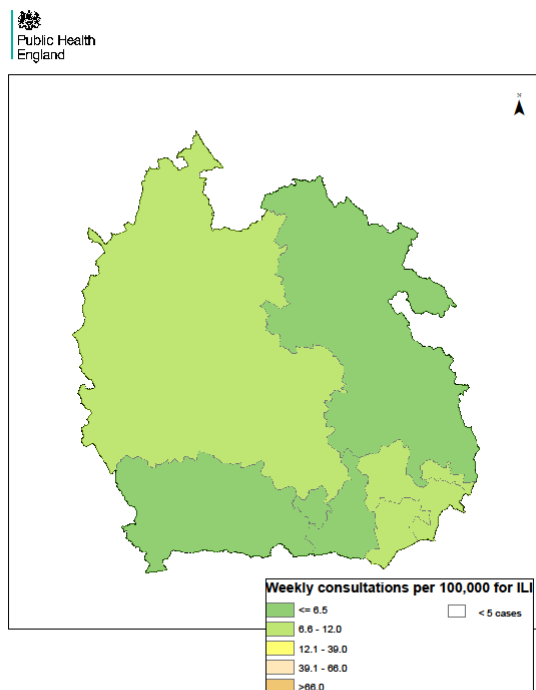
Week 45



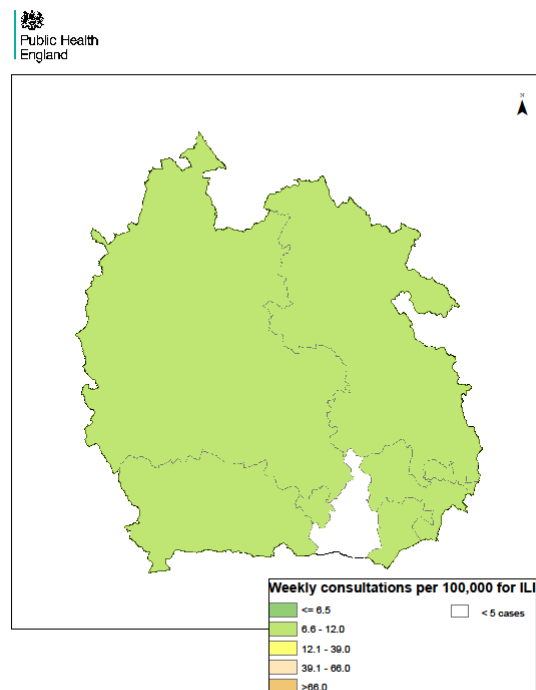
Week 46



Week 47



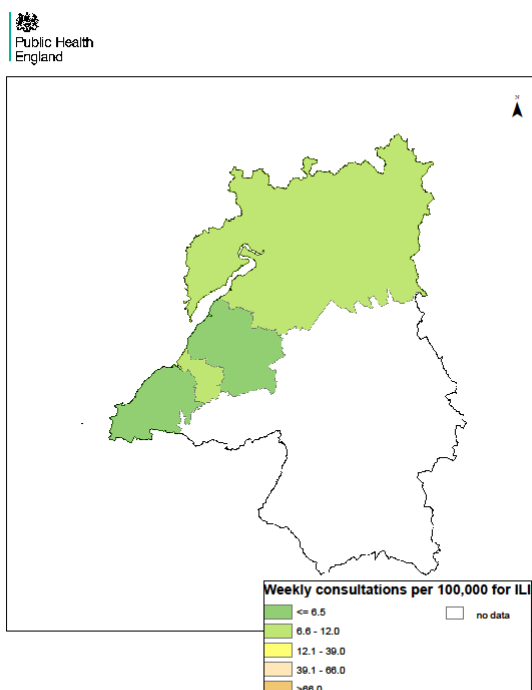
Week 48



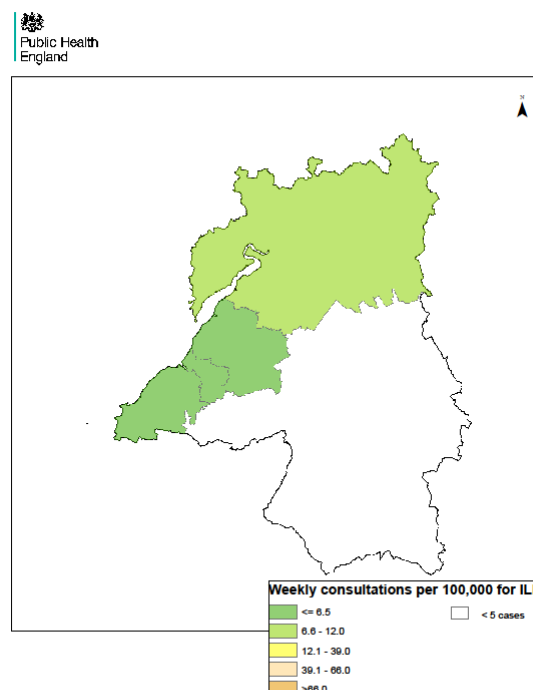
Avon, Gloucestershire & Wiltshire

Weekly ILI
consultation
rate by LA
for Avon,
Gloucestershire
& Wiltshire
PHE Centre

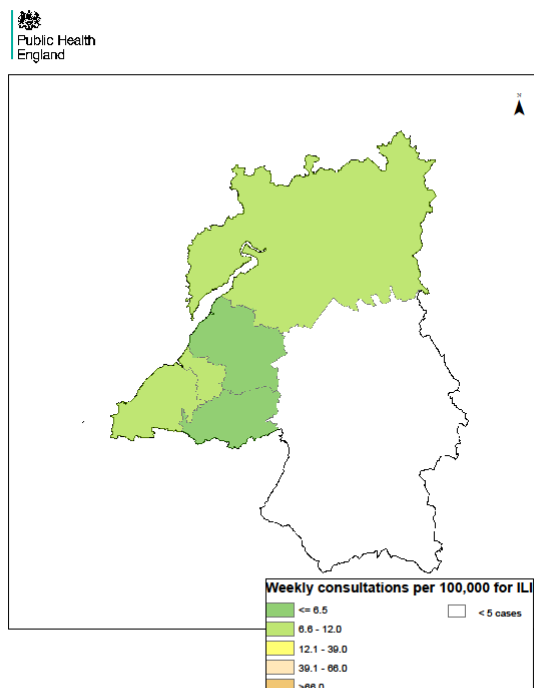
Week 45



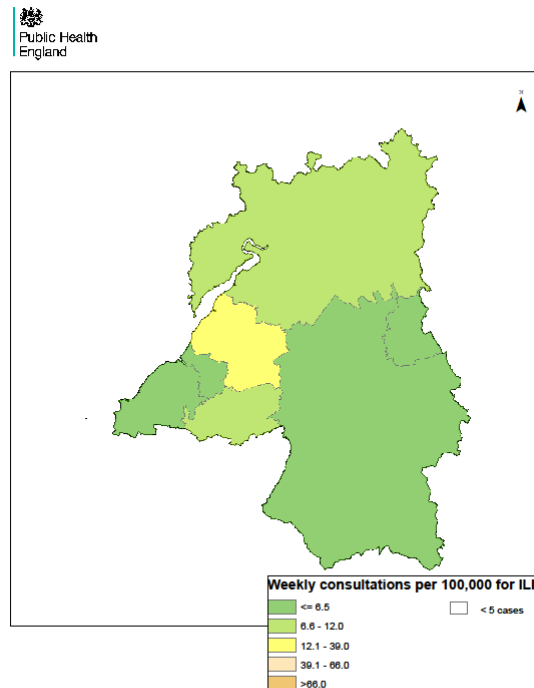
Week 46



Week 47



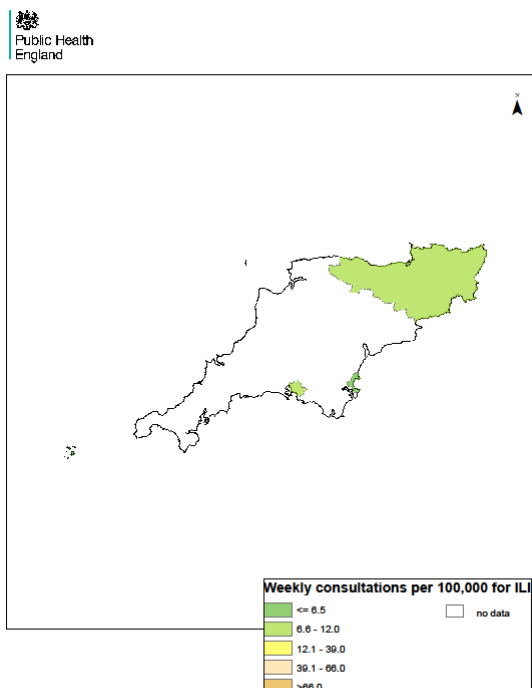
Week 48



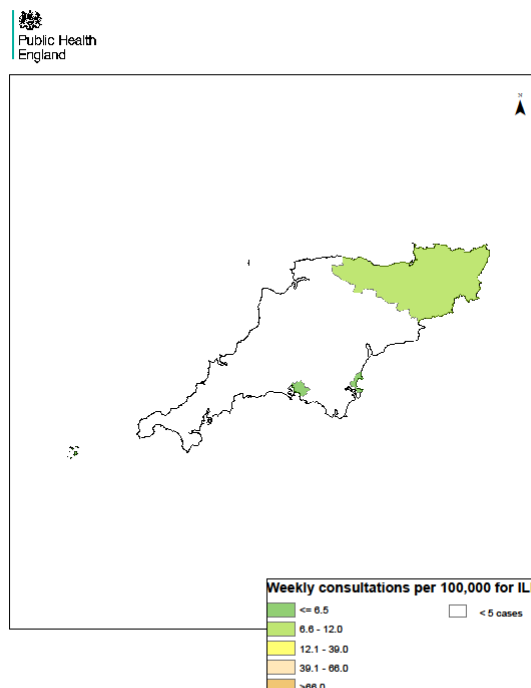
Devon, Cornwall & Somerset

Weekly ILI
consultation
rate by LA
for Devon,
Cornwall &
Somerset
PHE Centre

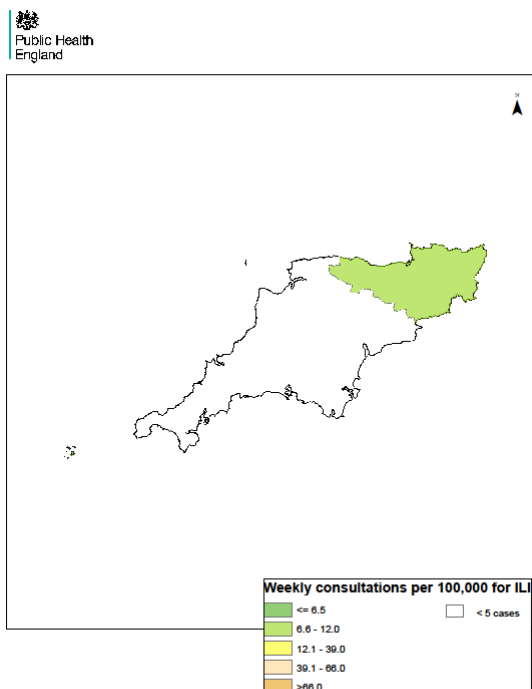
Week 45



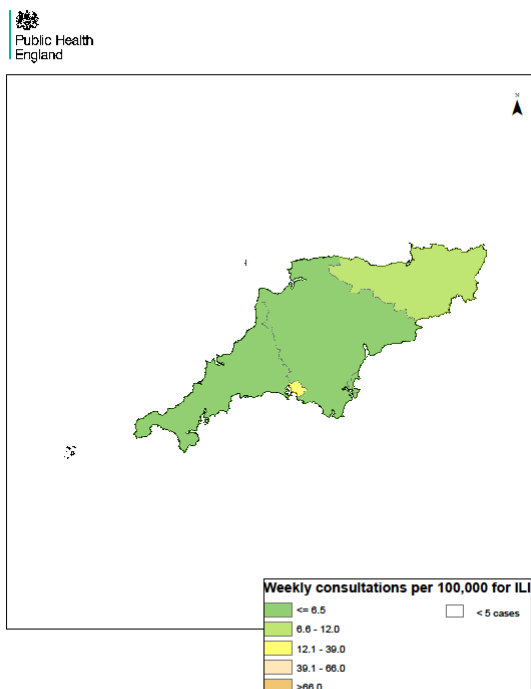
Week 46



Week 47



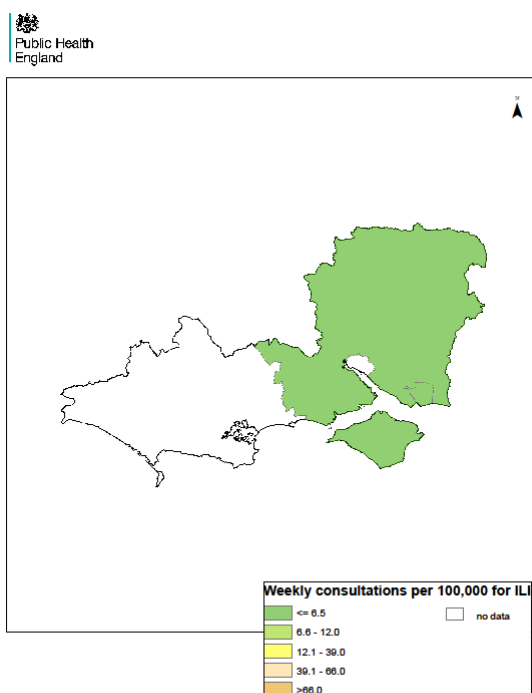
Week 48



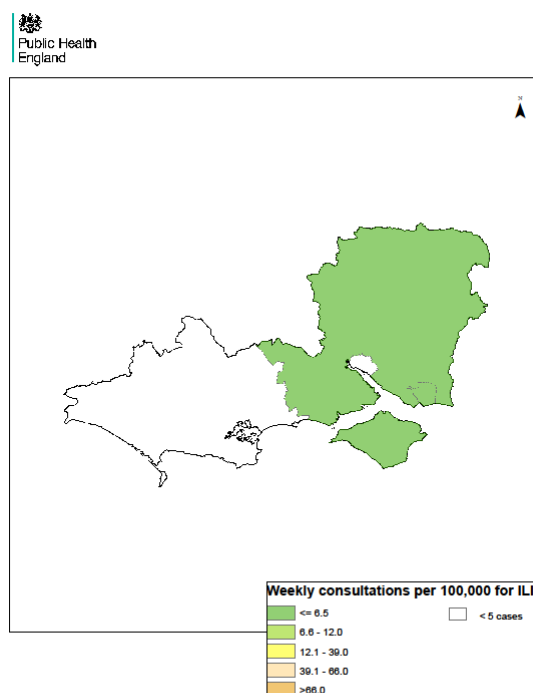
Wessex

Weekly ILI
consultation
rate by LA
for Wessex
PHE Centre

Week 45



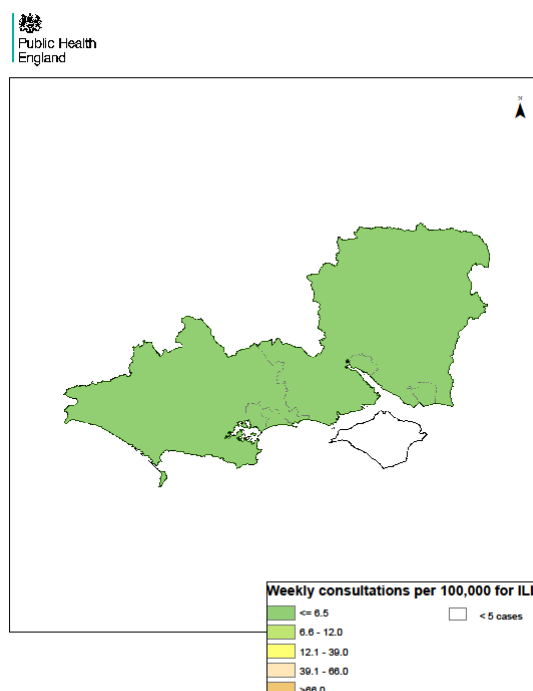
Week 46



Week 47



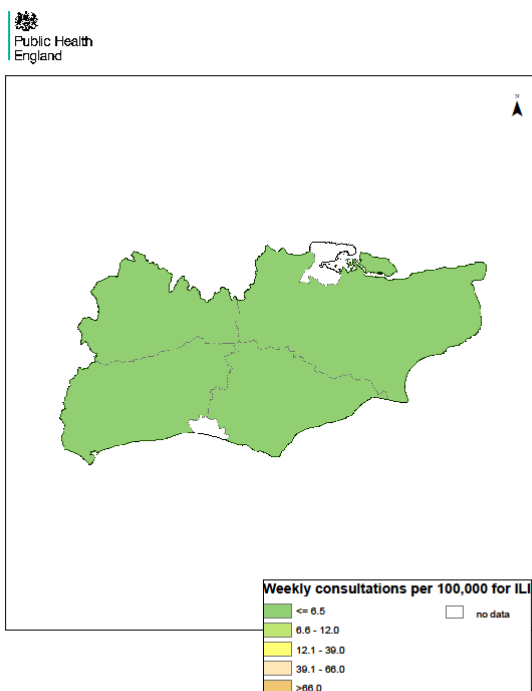
Week 48



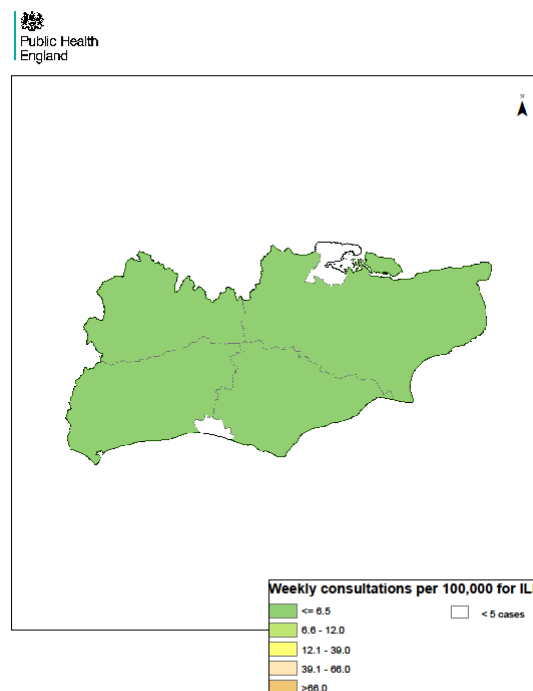
Kent, Surrey & Sussex

Weekly ILI consultation rate by LA for Kent, Surrey & Sussex PHE Centre

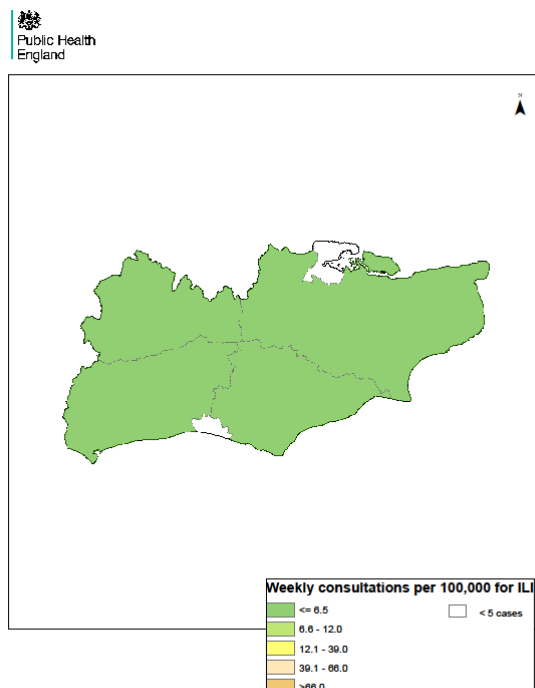
Week 45



Week 46



Week 47



Week 48

