



Royal College of
General Practitioners

RSC Communicable and Respiratory Disease Report for England

Key Statistics:

Week Number/Year.....23/2019
Week Starting - Ending.....03/06/2019 - 09/06/2019
No. of Practices.....253
Population.....2627375

National (England)

- **Allergic Rhinitis** : increased from **11.4** in week 22 to **23.3** in week 23.
- **Asthma** : increased from **8.3** in week 22 to **12.0** in week 23.
- **Common Cold** : was unchanged at **44.0** in week 22 compared with **44.4** in week 23.
- **Infectious Intestinal Diseases (IID)** : increased from **7.6** in week 22 to **10.1** in week 23.
- **Respiratory System Diseases** : increased from **173.1** in week 22 to **208.4** in week 23.

Regional (North, South, London and Midlands and East)

- **Allergic Rhinitis** : increased from **19.1** in week 22 to **41.0** in week 23 in the London region, increased from **8.0** in week 22 to **12.2** in week 23 in the North region, increased from **10.2** in week 22 to **21.9** in week 23 in the South region, and increased from **11.6** in week 22 to **25.1** in week 23 in the Midlands And East region.
- **Asthma** : increased from **10.7** in week 22 to **11.7** in week 23 in the London region, increased from **9.9** in week 22 to **14.8** in week 23 in the North region, increased from **6.9** in week 22 to **11.1** in week 23 in the South region, and increased from **5.8** in week 22 to **9.1** in week 23 in the Midlands And East region.
- **Common Cold** : decreased from **66.4** in week 22 to **62.3** in week 23 in the London region, increased a little from **44.7** in week 22 to **46.3** in week 23 in the North region, was unchanged at **35.3** in week 22 compared with **34.8** in week 23 in the South region, and increased from **36.4** in week 22 to **41.7** in week 23 in the Midlands And East region.
- **Infectious Intestinal Diseases (IID)** : increased from **8.0** in week 22 to **12.9** in week 23 in the London region, increased a little from **8.9** in week 22 to **9.2** in week 23 in the North region, increased from **6.1** in week 22 to **9.8** in week 23 in the South region, and increased from **8.5** in week 22 to **9.1** in week 23 in the Midlands And East region.
- **Respiratory System Diseases** : increased from **183.8** in week 22 to **222.9** in week 23 in the London region, increased from **200.4** in week 22 to **235.6** in week 23 in the North region, increased from **150.9** in week 22 to **178.8** in week 23 in the South region, and increased from **163.2** in week 22 to **212.5** in week 23 in the Midlands And East region.

Comment:

Presentations of many respiratory and other conditions have increased this week and are in line with those anticipated at this time of year.

Mumps continues to be at a slightly higher level than the RCGP RSC five year average.

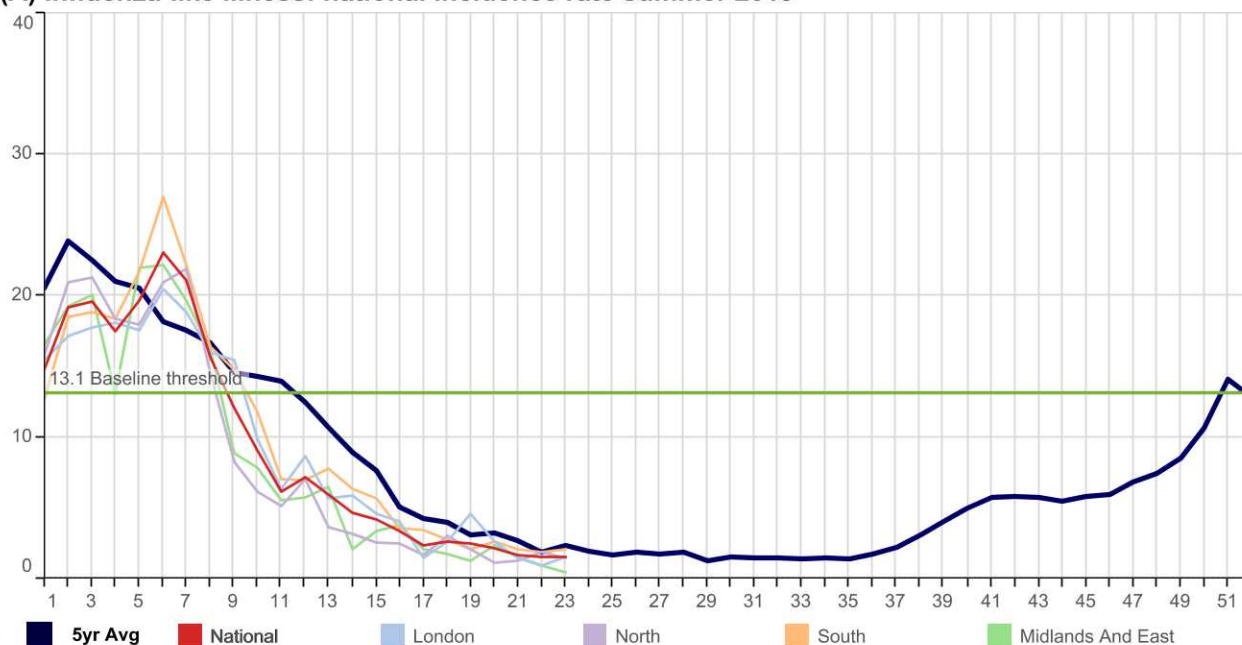
Spring/Summer Focus 2019

Please see page 13 for explanatory notes on the data.

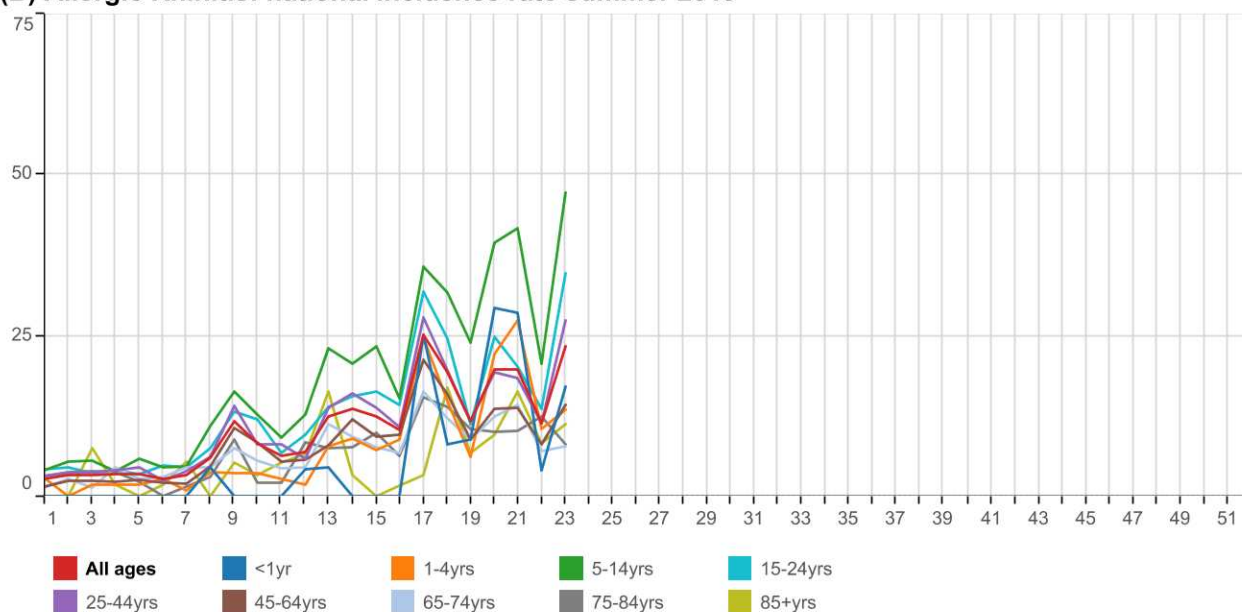
Weekly influenza-like illness and bronchitis incidence rates per 100,000 persons

Influenza-like illness		Bronchitis	Influenza-like illness		Bronchitis
<1yr	4.3	128.0	London	1.6	28.2
1-4yrs	0.0	54.2	North	1.5	59.1
5-14yrs	0.3	7.1	South	2.1	35.3
15-24yrs	1.3	14.3	Midlands And East	0.5	50.5
25-44yrs	2.6	23.5	National	1.6	43.0
45-64yrs	1.7	44.7			
65-74yrs	0.8	85.0			
75-84yrs	2.0	116.3			
85+yrs	1.6	188.4			
All ages	1.6	43.0			

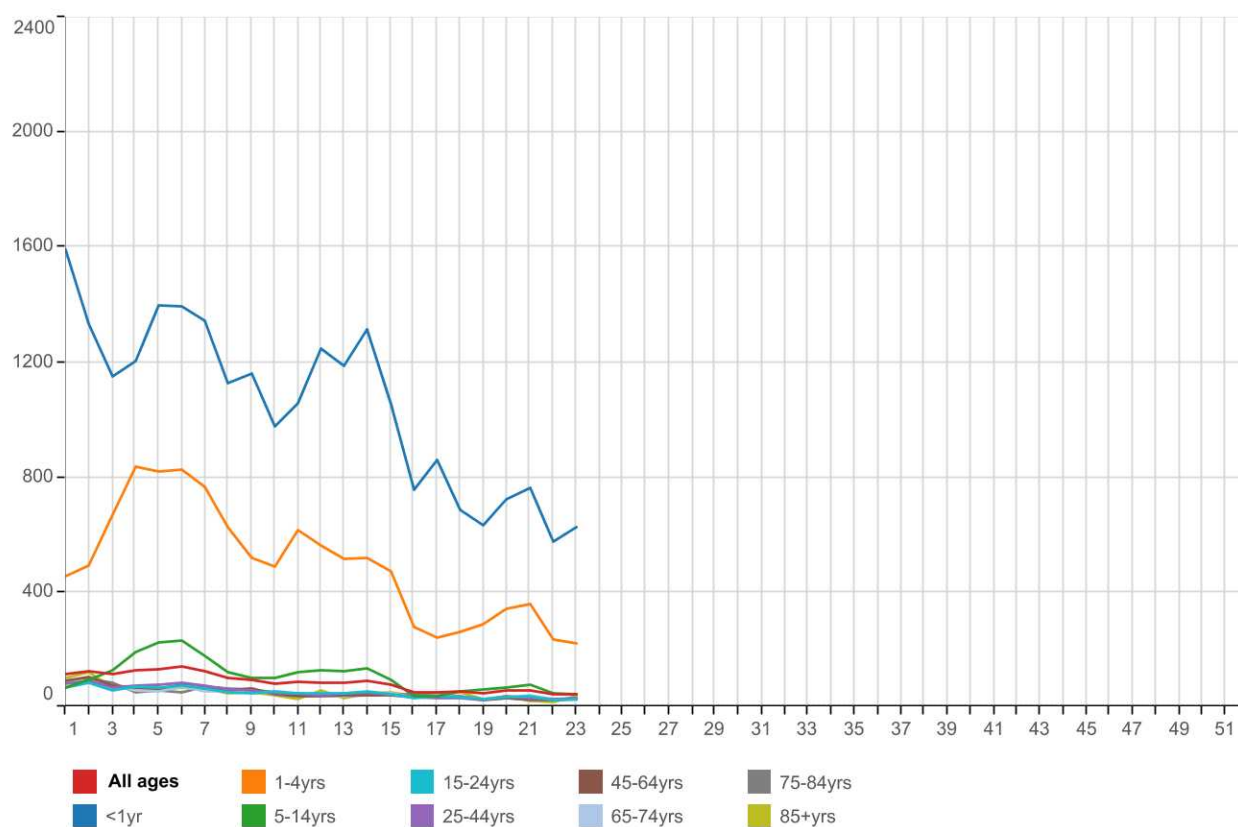
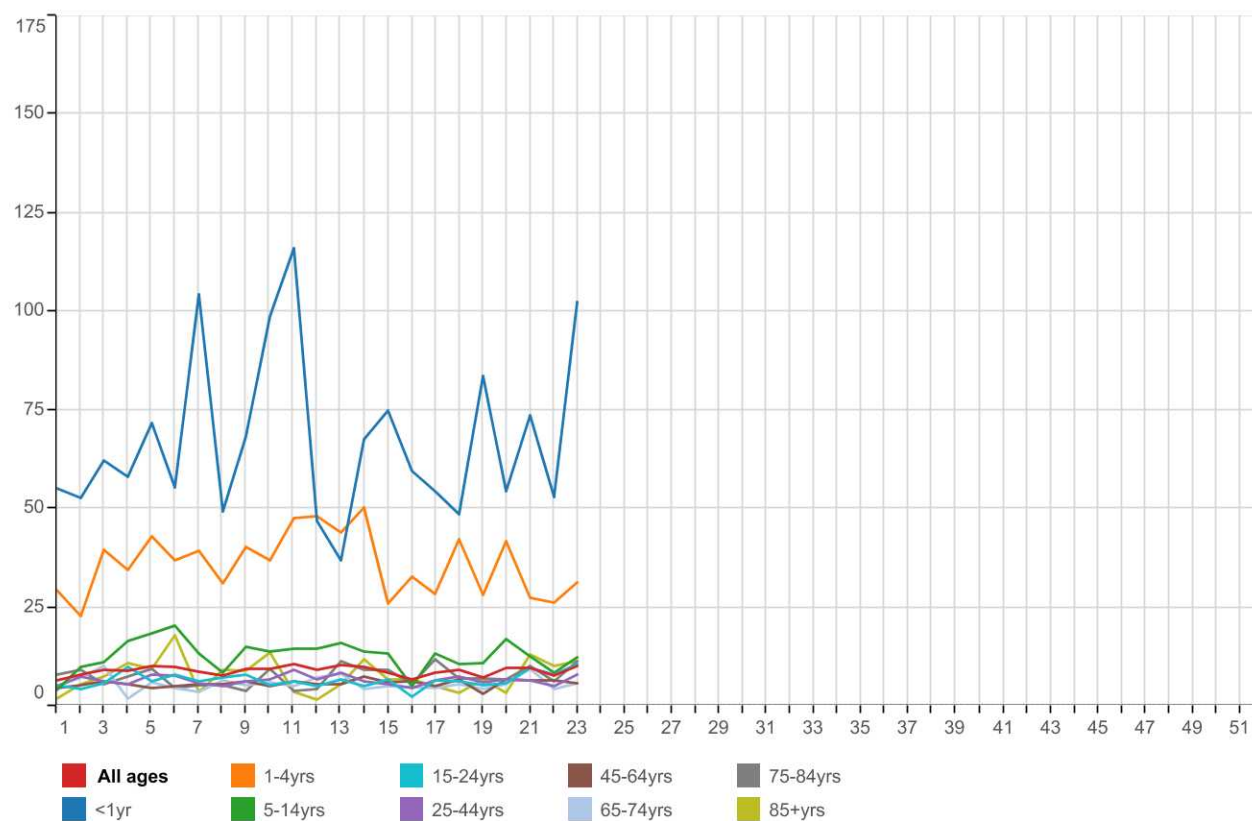
(A) Influenza-like illness: national incidence rate summer 2019*



(B) Allergic Rhinitis: national incidence rate summer 2019*



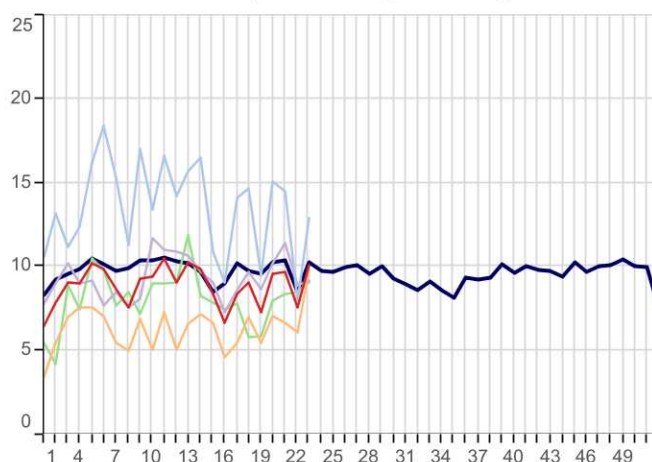
* The thresholds used are the agreed RCGP/ Public Health England levels for 2018/19. The rolling average line (blue) is based on 5 year historic RCGP RSC level.

(C) Common Cold & URTI NOS : national incidence rate 2019 by age group***(D) Infectious Intestinal Diseases : national incidence rate 2019 by age group***

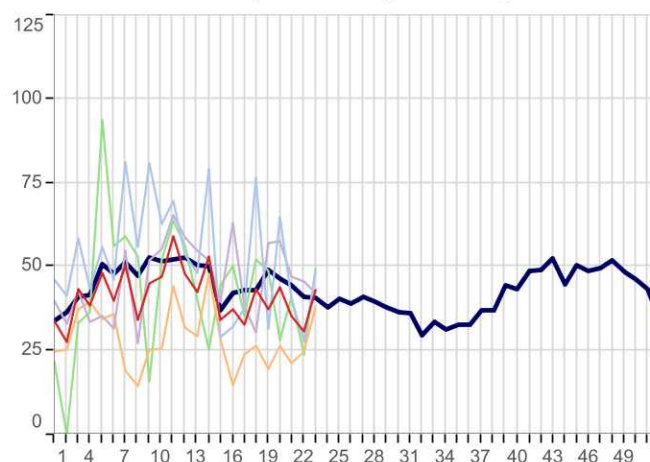
1. Water & Food Borne Disorders:

5yr Avg National London North South Midlands And East

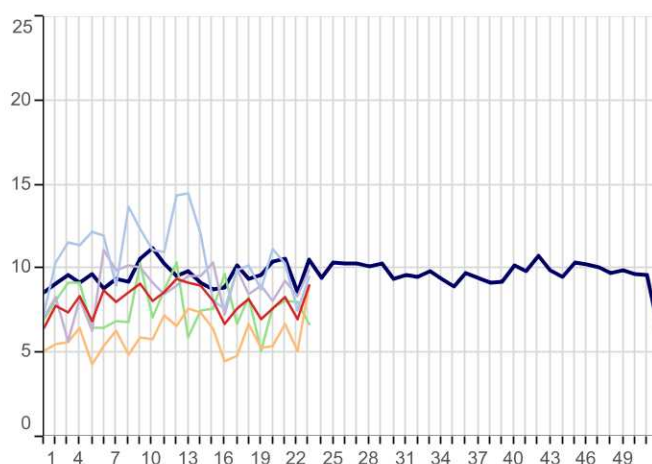
Infectious Intestinal Disease (ICD10: A00-A09)
Weekly incidence (per 100,000 **all ages**) by regions
for 2019 compared with 5 year average



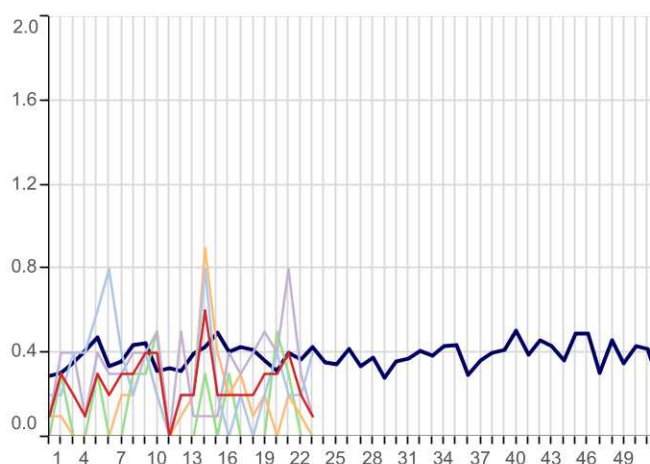
Infectious Intestinal Disease (ICD10: A00-A09)
Weekly incidence (per 100,000 **0-4 years**) by regions
for 2019 compared with 5 year average



Non-Infective Enteritis & Colitis (ICD10: K50-K52)
Weekly incidence (per 100,000 **all ages**) by region
for 2019 compared with 5 year average



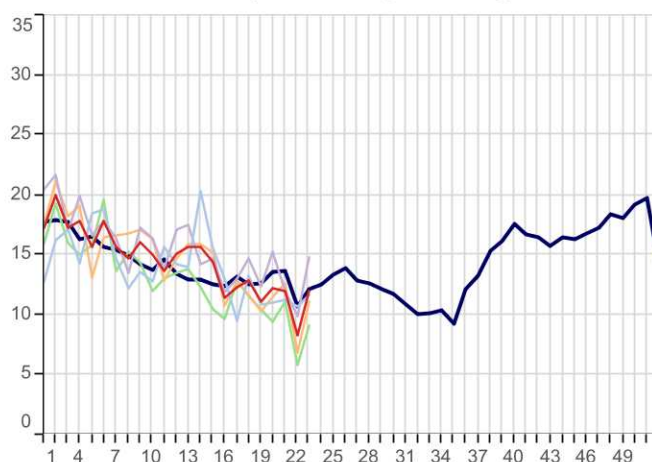
Viral Hepatitis (ICD10: B15-B19)
Weekly incidence (per 100,000 **all ages**) by region
for 2019 compared with 5 year average



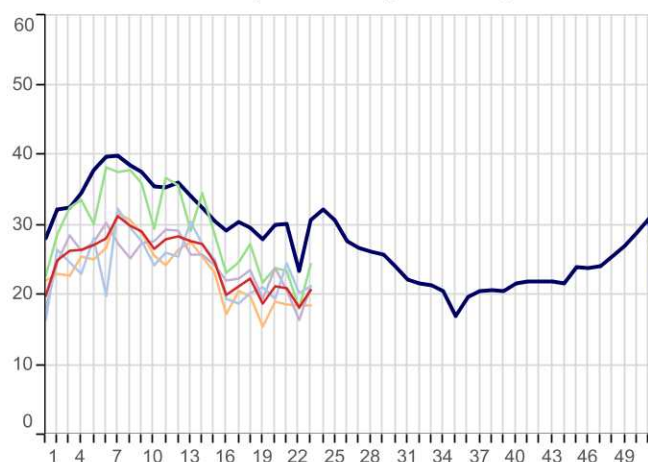
2. Environmentally Sensitive Disorders:

5yr Avg National London North South Midlands And East

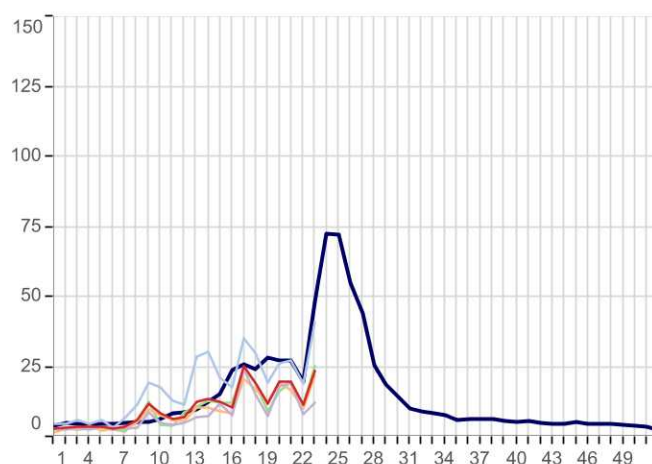
Asthma (ICD10: J45-J46)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



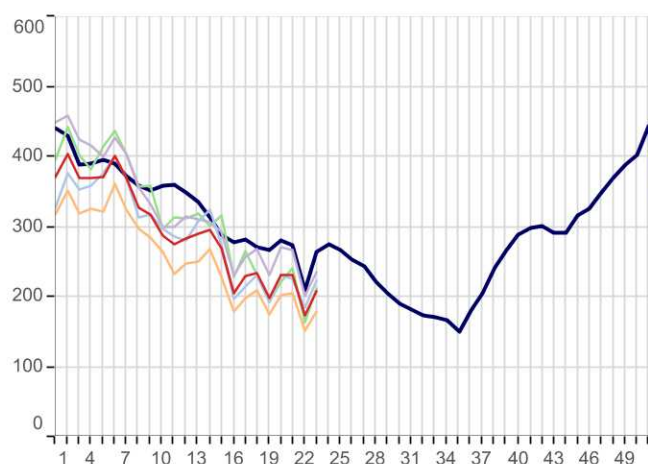
Disorders of Conjunctiva (ICD10: H10-H13)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



Hayfever/Allergic Rhinitis (ICD10: J30)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



Symptoms involving Respiratory & Chest (ICD10: R05-R07,R09)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



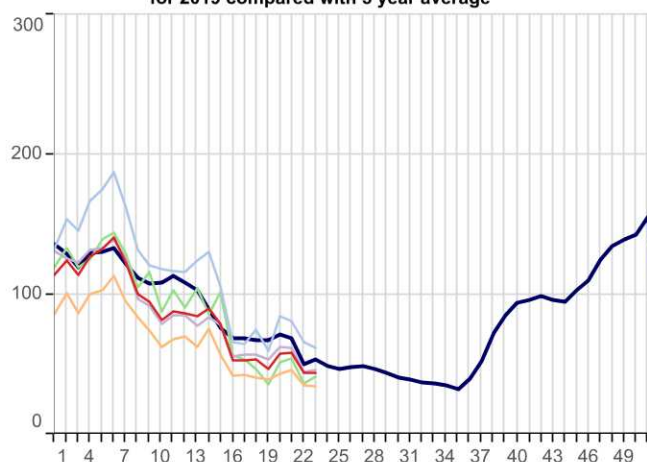
3. Respiratory Infections:

■ 5yr Avg ■ National ■ London ■ North

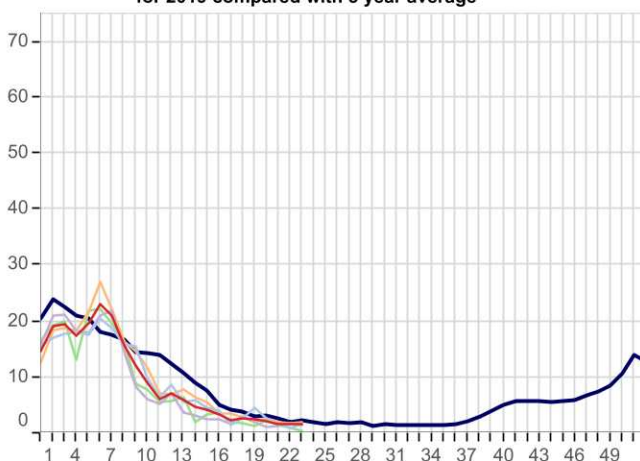
Acute Bronchitis (ICD10: J20-J21,J40)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



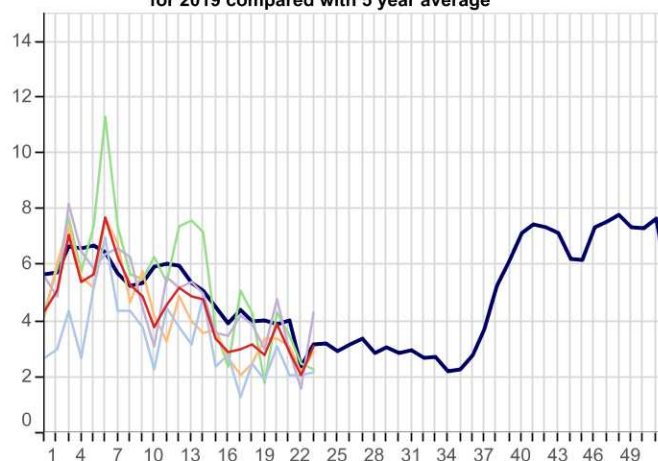
Common Cold (ICD10: J00,J06)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



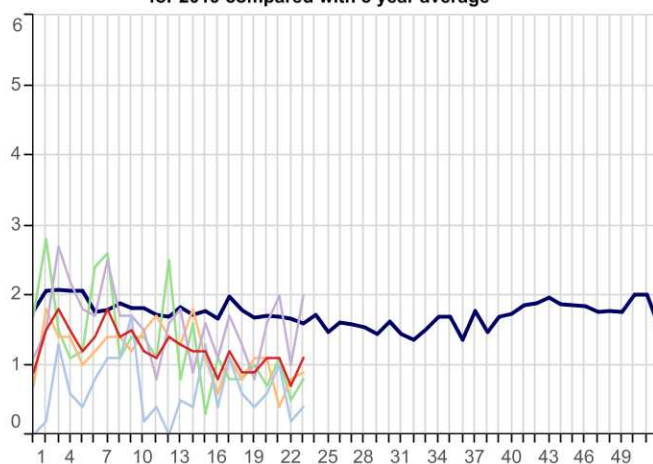
Influenza-Like Illness (ICD10: J09-J11)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



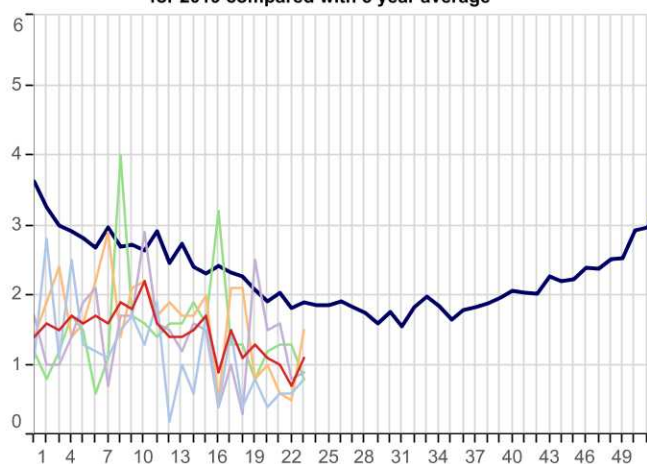
Acute Laryngitis/Tracheitis (ICD10: J04)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



Pleurisy (ICD10: R091)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



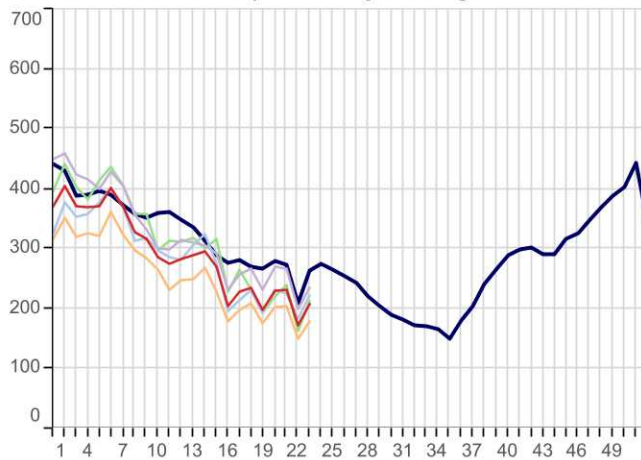
Pneumonia/Pneumonitis (ICD10: J12-J18)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



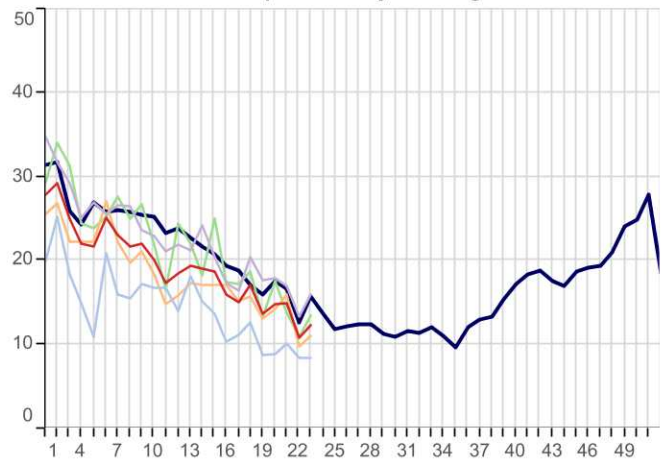
3. Respiratory Infections(Continued):

■ 5yr Avg ■ National ■ London ■ North ■ South ■ Midlands And East

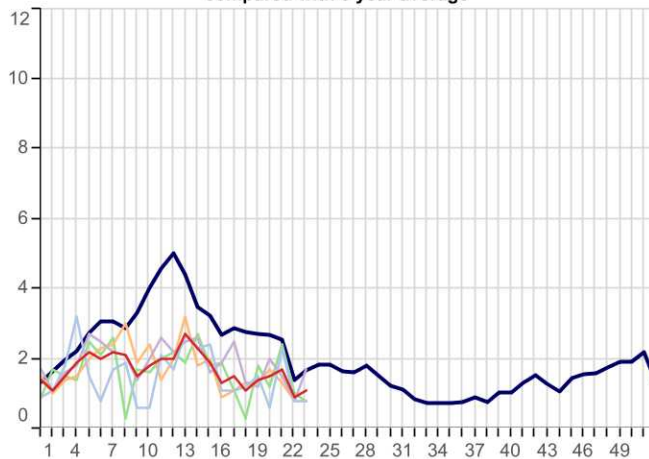
Respiratory System Diseases (ICD10: J00-J99)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



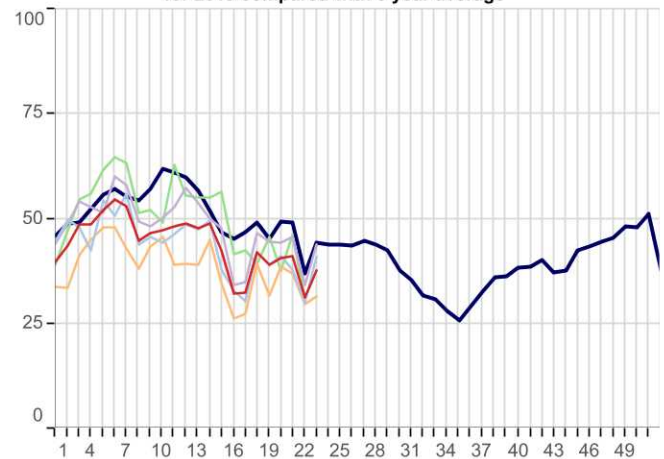
Acute Sinusitis (ICD10: J01)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



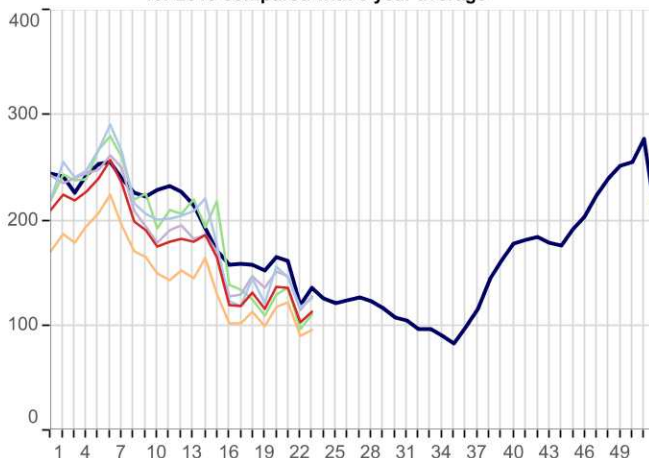
Strep Sore Throat, Scarletina and Peritonsillar Abscess (ICD10: A38,J020,J36)
Weekly incidence (per 100,000 all ages) by region for 2019
compared with 5 year average



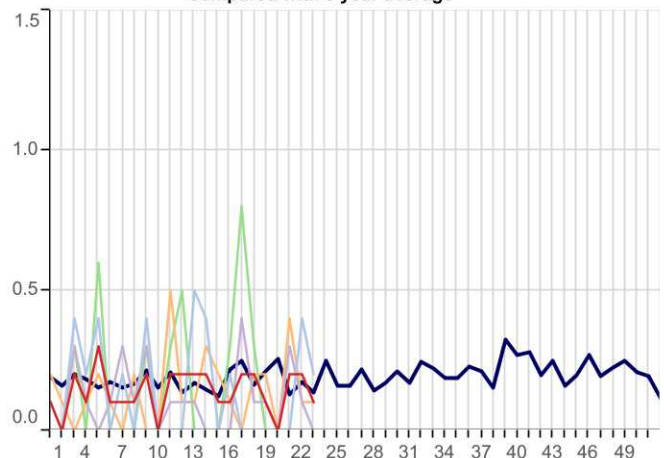
Acute Tonsillitis/Pharyngitis (ICD10: J02-J03)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



Upper Respiratory Tract Infections (URTI)(ICD10: J00-J06)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



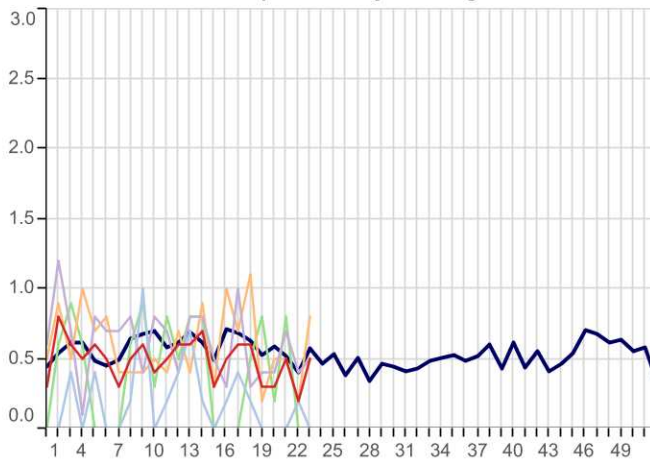
Whooping Cough (ICD10: A37)
Weekly incidence (per 100,000 all ages) by region by region for 2019
compared with 5 year average



3. Respiratory Infections(Continued):

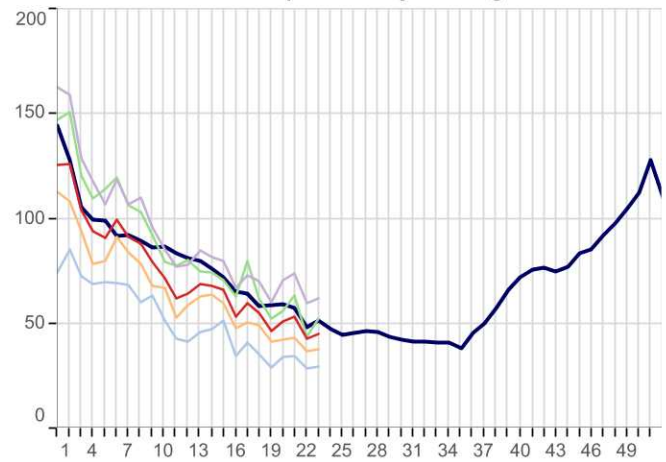
5yr Avg National London North

Infectious Mononucleosis (ICD10: B27)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average

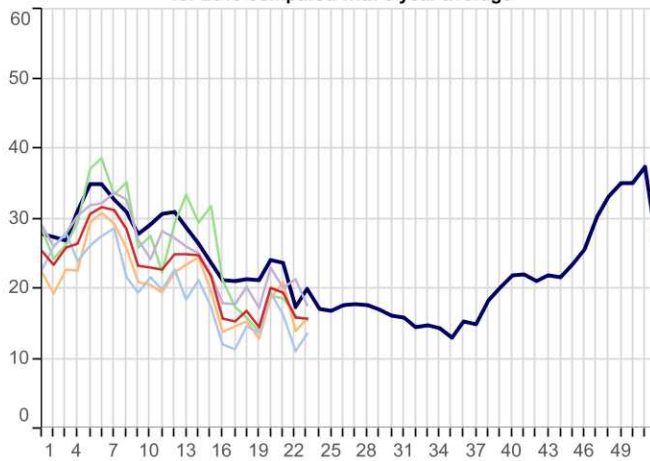


South Midlands And East

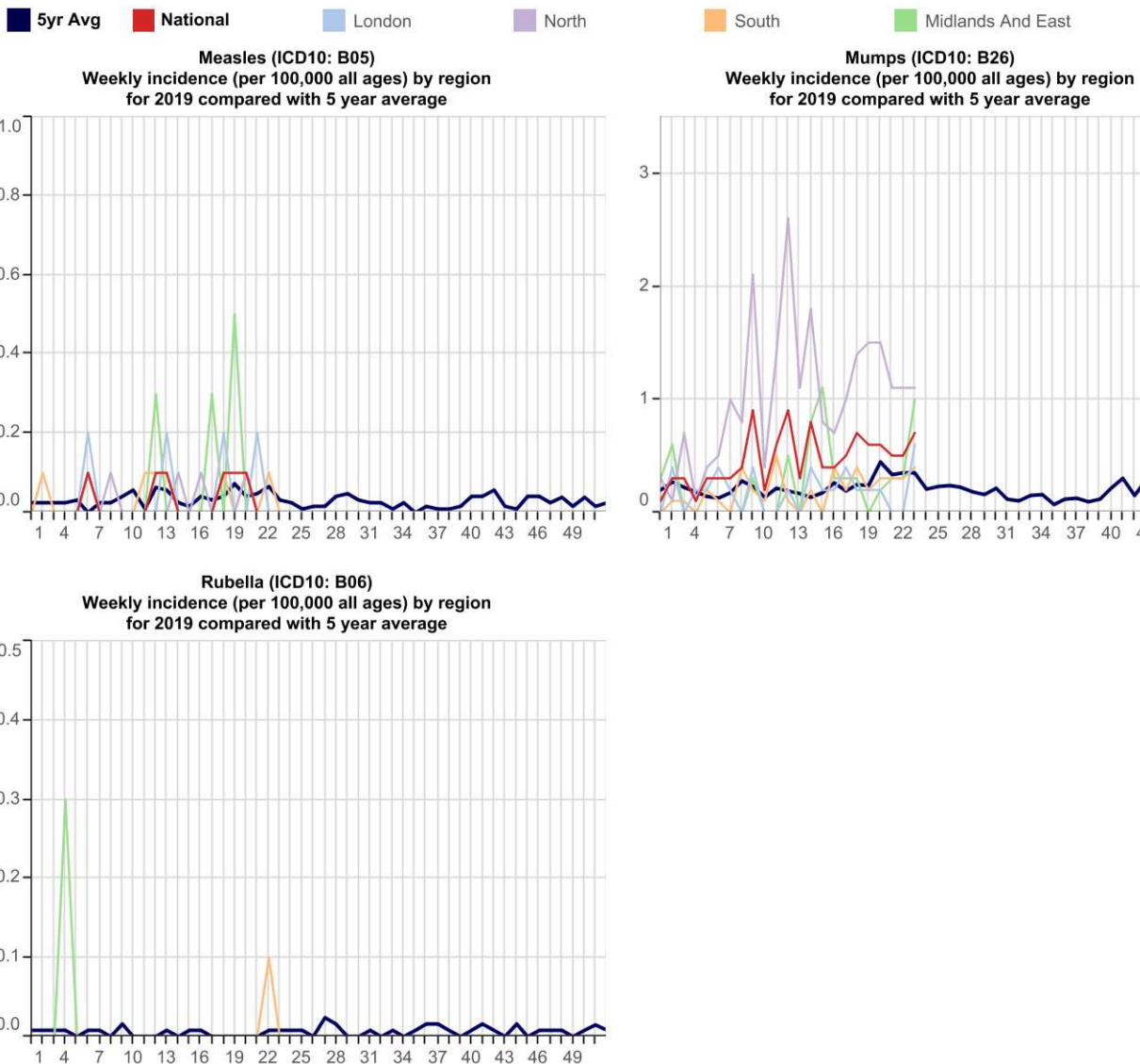
Lower Respiratory Tract Infections (LRTI)(ICD10: J20-J22)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



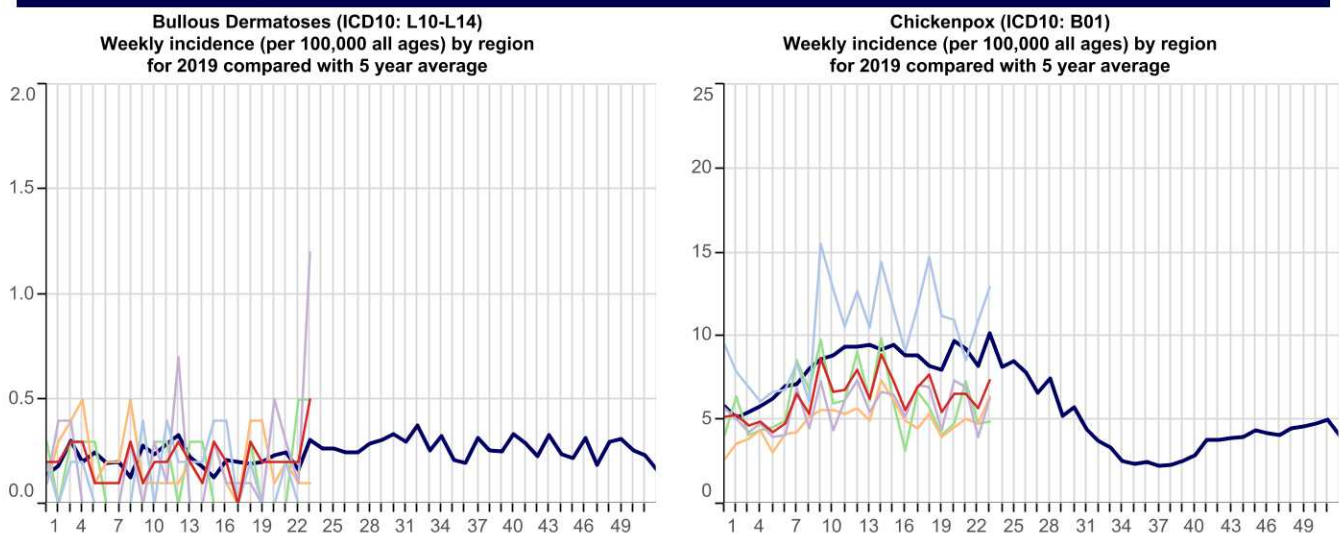
Acute Otitis Media (ICD10: H650-H651,H660,H669)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



4. Vaccine Sensitive Disorders



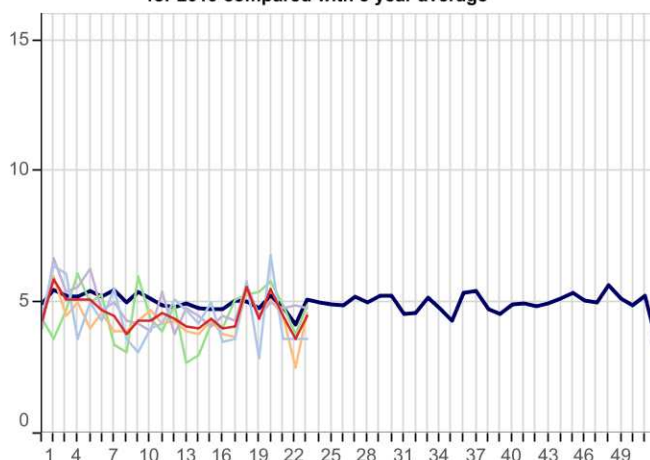
5. Skin Contagions



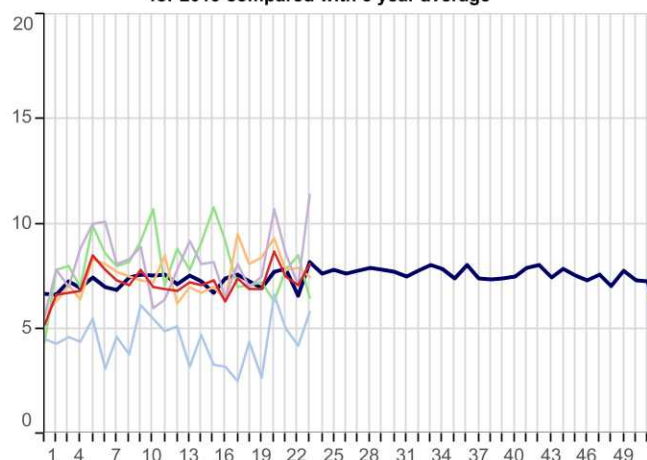
5. Skin Contagions (Continued)

5yr Avg National London North South Midlands And East

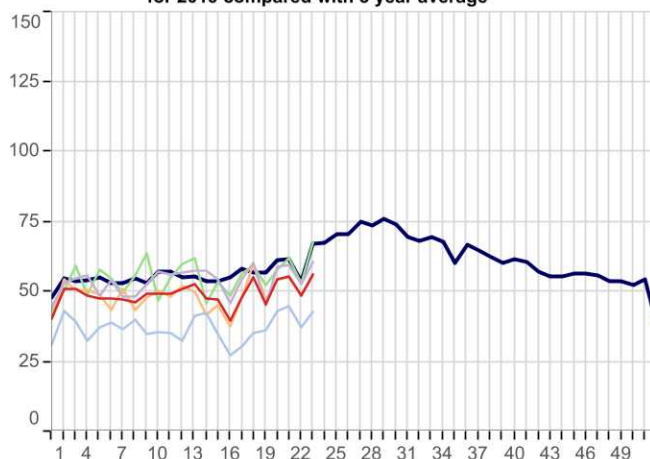
Herpes Simplex (ICD10: B00)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



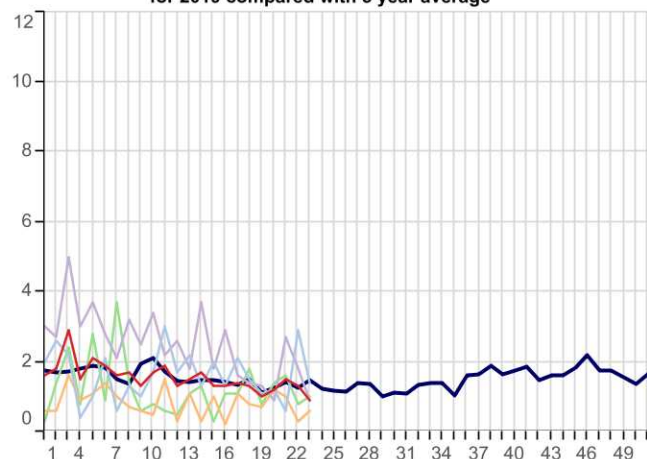
Herpes Zoster (ICD10: B02)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



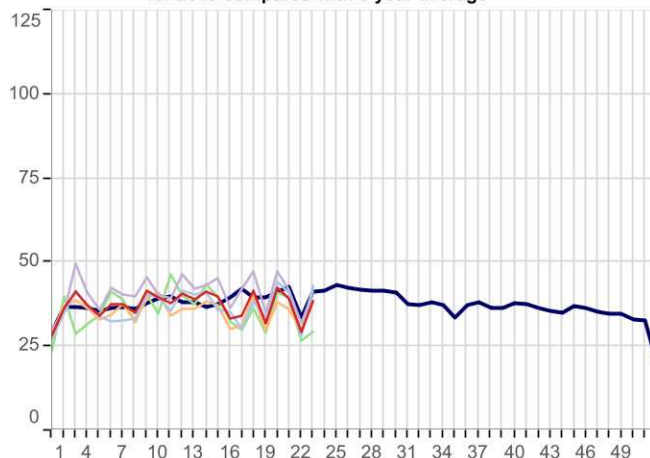
Infections of Skin & Subcutaneous Tissue (ICD10: L00-L08)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



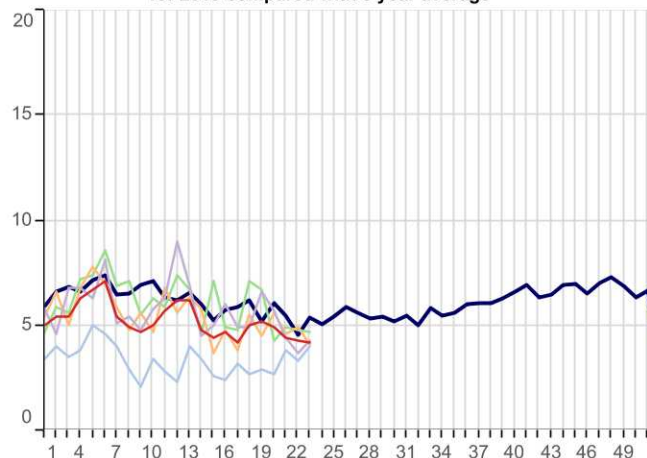
Scabies (ICD10: B86)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



Symptoms involving Skin & Oth Integument Tiss (ICD10: R20-R23)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



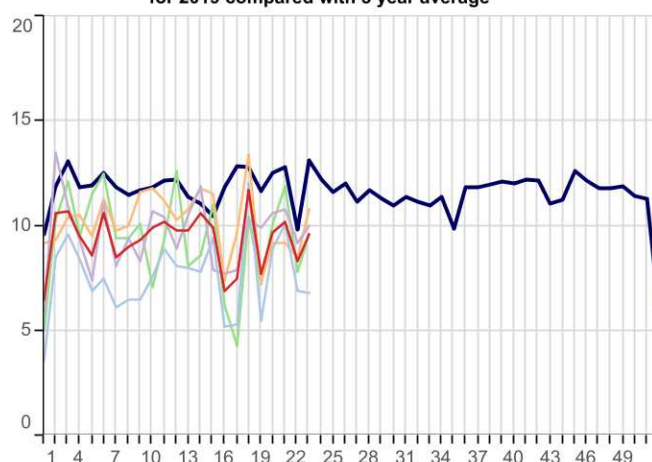
Impetigo (ICD10: L01)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



6. Disorders Affecting the Nervous System

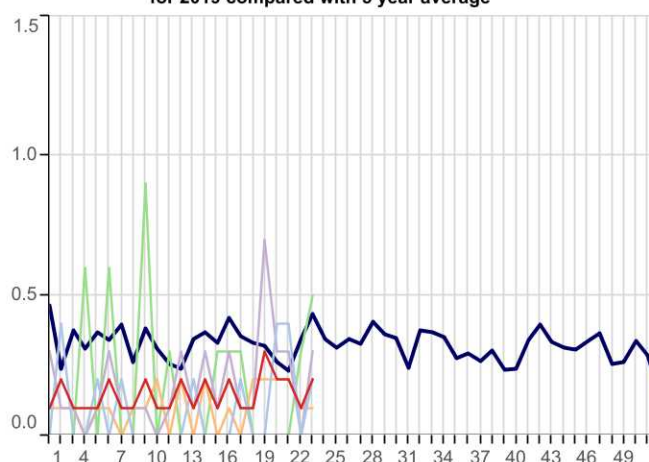
5yr Avg National London North

Disorders of The Peripheral Nervous System (ICD10: G50-G64,G70-G72)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average

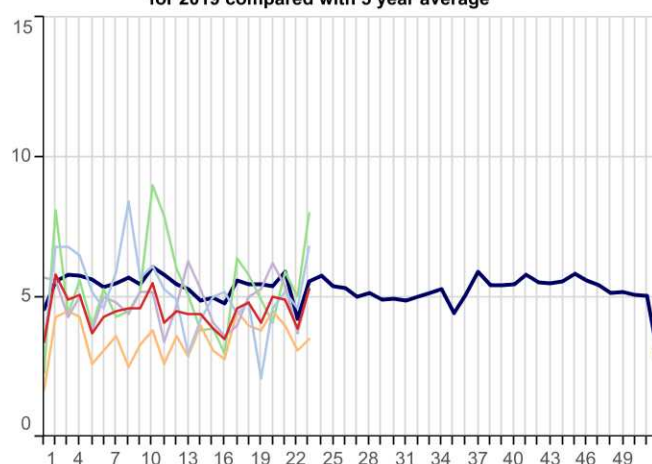


South Midlands And East

Meningitis/Encephalitis (ICD10: A170-A171,A390,A38-A85,A87,G00-G05)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average

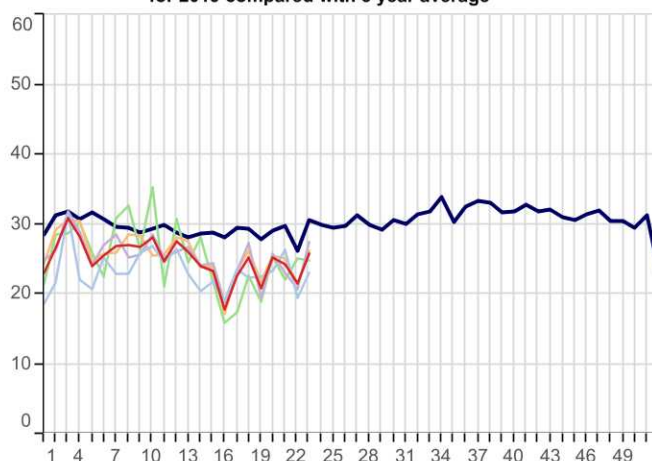


Symptoms Involving Nervous & Musculoskeletal (ICD10: R25-R29)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



7. Genitourinary System Disorders

Urinary Tract Infection/Cystitis (ICD10: N30,N390)
Weekly incidence (per 100,000 all ages) by region
for 2019 compared with 5 year average



8. Tabular Summary by Disease

Disease Name	Week beginning Week ending	03/06/2019 09/06/2019		27/05/2019 02/06/2019		20/05/2019 26/05/2019		13/05/2019 19/05/2019	
		Rate	Numer	Rate	Numer	Rate	Numer	Rate	Numer
Allergic Rhinitis		23.3	611	11.4	292	19.8	515	19.8	518
Asthma		12.0	315	8.3	212	12.0	311	12.2	319
Bronchitis		43.0	1,130	41.4	1,058	51.1	1,329	49.0	1,284
Bullous Dermatoses		0.5	12	0.2	4	0.2	5	0.2	5
Chickenpox		7.4	194	5.7	146	6.6	172	6.6	174
Common Cold		44.4	1,166	44.0	1,124	58.2	1,513	57.9	1,517
Conjunctival Disorders		20.7	544	18.2	465	21.0	546	21.3	559
Herpes Simplex		4.5	118	3.6	92	4.5	116	5.5	144
Herpes Zoster		8.1	214	7.1	181	7.5	196	8.7	229
Impetigo		4.2	110	4.3	109	4.4	115	4.9	128
Infectious Mononucleosis		0.5	12	0.2	6	0.5	13	0.3	9
Influenza-like illness		1.6	42	1.6	41	1.7	44	2.2	58
Infectious Intestinal Diseases		10.1	266	7.6	195	9.7	253	9.6	252
Laryngitis and Tracheitis		3.1	81	2.1	53	2.9	76	3.9	102
Lower Respiratory Tract Infections		45.4	1,193	43.0	1,099	53.4	1,390	51.3	1,345
Measles		0.0	0	0.0	1	0.0	1	0.1	2
Meningitis and Encephalitis		0.2	6	0.1	2	0.2	6	0.2	6
Mumps		0.7	19	0.5	12	0.5	12	0.6	16
Non-infective Enteritis and Colitis		9.0	237	7.0	178	8.3	216	7.6	199
Otitis Media Acute		15.8	416	15.9	406	19.5	508	20.1	527
Peripheral Nervous Disease		9.6	253	8.3	212	10.2	265	9.7	254
Pleurisy		1.1	29	0.7	18	1.1	28	1.1	29
Pneumonia and Pneumonitis		1.1	29	0.7	19	1.0	26	1.1	28
Respiratory System Diseases		208.4	5,476	173.1	4,426	231.4	6,018	230.5	6,042
Rubella		0.0	0	0.0	1	0.0	0	0.0	0
Scabies		0.9	24	1.3	33	1.5	39	1.2	31
Sinusitis		12.3	324	10.8	275	14.9	387	14.8	389
Skin and Subcutaneous Tissue Infections		56.3	1,479	48.5	1,241	55.5	1,443	54.3	1,423
Strep Throat and Peritonsillar Abscess		1.1	28	0.9	22	1.7	44	1.5	39
Symptoms involving musculoskeletal		5.3	140	3.9	99	4.9	128	5.0	130
Symptoms involving Respiratory and Chest		15.5	406	12.5	319	15.3	397	16.7	437
Symptoms involving Skin and Integument Tissues		38.6	1,014	29.4	753	39.3	1,021	42.4	1,112
Tonsillitis and acute Pharyngitis		37.8	992	31.3	801	41.1	1,068	40.6	1,065
Upper Respiratory Tract Infections		112.7	2,961	103.3	2,643	136.0	3,537	136.4	3,576
Urinary Tract Infections		25.8	677	21.5	549	24.3	632	25.2	661
Viral Hepatitis		0.1	3	0.2	4	0.4	10	0.3	7
Whooping Cough		0.1	2	0.2	4	0.2	6	0.0	0
Practice Count		253		245		249		253	
Denom		2,627,375		2,557,390		2,600,862		2,621,350	

FURTHER INFORMATION:

About the report

Summer focus

The first two pages of data within this report focus on the weekly incidence rates of Influenza-Like Illness, Allergic Rhinitis, Common Cold, and Infectious Intestinal Diseases.

Rate calculation

Each weekly incidence rate is presented per 100,000 population. All presentations are for males and females, and for all age groups, unless otherwise stated.

The denominator used for this report is taken from our most recent extract of data from GP practice systems, and includes all patients currently registered with eligible practices. The denominator varies week-on-week as patients register and deregister; it may also be the case that all patients from an individual practice are excluded because of problems with the data extraction from that practice in a specific week. Patients who have withheld consent for data-sharing are excluded.

In addition to the national rate, we present data for the four NHS England regions: North; Midlands and East; South; and London.

Five-year averages

Weekly rates are set against the five-year average, calculated from data for the calendar years 2014-2018. Previously we reported against a ten-year average. The change to a five-year average was made because longer-term trends in the incidence of disease have led to weekly rates for certain diseases becoming increasingly divergent from their ten-year average. The use of five-year averages lessens this effect and enables more meaningful comparison.

Threshold calculation for Influenza-Like Illness (ILI)

We are now using the Moving Epidemic Method (MEM) to calculate threshold and intensity levels for Influenza-Like Illness. MEM works by identifying seasonal epidemic peaks and then calculates thresholds and intensity levels based on the pre and post epidemic values. This allows us to report the severity of ILI against multiple thresholds, rather than a simple comparison with the five-year average as the wide variation in ILI year on year, especially during the seasonal peak, makes the average less representative.

This methodology is used by the European Centre for Disease Prevention and Control to standardise reporting of influenza activity across Europe, and is also in use by Public Health England. Full details of the methodology can be found in: Vega et al. (2012) Influenza surveillance in Europe: establishing epidemic thresholds by the moving epidemic method. Influenza and Other Respiratory Viruses 7(4), 546–558. For ease of graphical representation, the final threshold (Very High) is not included in Graph A, page 2.

About the Royal College of General Practitioners (RCGP) Research and Surveillance Centre (RSC)

What we do

The RCGP RSC was established in 1957, with the current name in use since 2009. The Centre is an internationally renowned source of information, analysis, and interpretation concerning the onset, patterns, relevance and trends over time of morbidity in primary care. The RSC is an active research and surveillance unit that collects and monitors data; its most important research is the surveillance of influenza and the monitoring of vaccine effectiveness.

The RSC data and analytics hub is housed in the Section of Clinical Medicine and Ageing at the University of Surrey.

Further information about the RSC can be found on our website:

<http://www.rcgp.org.uk/clinical-and-research/our-programmes/research-and-surveillance-centre.aspx>

Our data extraction process and information governance

Data are extracted twice weekly from practice systems by Wellbeing data management on the RCGP's behalf. Patients who have withheld consent for data sharing are excluded from the extraction process.

Data are pseudonymised as close to source as possible. Data are held on secure servers at the RCGP data and analytics hub in the Section of Clinical Medicine and Ageing at the University of Surrey. Both Apollo and the University of Surrey are registered and compliant with the Data Protection Act and fully compliant with all relevant NHS Digital data information governance best practice.

What the data is used for

The RCGP RSC has been providing reports weekly about health and disease, called the Weekly Returns Service (WRS) since 1964. The WRS monitors the number of patients consulting with new episodes of illness classified by diagnosis in England, and provides weekly incidence rates per 100,000 population for these new episodes of illness. It is the key primary care element of the national disease monitoring systems run by Public Health England. The bulletin can be found at the following URL:

<https://www.gov.uk/government/publications/syndromic-surveillance-summary>

In addition to the WRS, the data is used for other research studies. Any other uses of the data for research follow ethical approval from the Health Research Authority (HRA), and, where relevant, HRA Confidential Advisory Group (CAG) advice that further approval is not needed. Full details can be found on our website:

<http://www.rcgp.org.uk/clinical-and-research/our-programmes/research-and-surveillance-centre.aspx>

For further information

For further information about the work of the RSC, or if you would like to be included on our email notification list, please contact:

RCGP Research & Surveillance Centre
CIRC, First floor
30 Euston Square
London NW1 2FB
Tel: +44 (0)203 188 7690

Medical Director: Professor Simon de Lusignan
MedicalDirectorRSC@rcgp.org.uk

RCGP Research & Surveillance Centre
University of Surrey
Section of Clinical Medicine and Ageing
GUILDFORD
GU2 7XH
Tel: +44 (0)1483 684802

Practice Liaison Officer: Ivelina Yonova
i.yonova@surrey.ac.uk
Tel: +44 (0)1483 682758

