

## RSC Communicable and Respiratory Disease Report for England

Week Number / Year

**20 / 2025**

Population

**16,994,963**

Dates

**12/05/2025 - 18/05/2025**

No. Practices

**1,596**

### Notes

All rates in this report are given per 100,000 population presenting in the week of the report. A rolling 5-year average rate is also provided as a historical comparison. Rates are provided for four regions (North, South, Midlands and East, and London). For acute respiratory infections, a breakdown by age group is also provided.

Rates are presented on a weekly basis, using ISO week numbers.

Please see page 20 for further explanatory notes on the data.

### Comments

Overall rates of influenza-like illness (ILI) are stable in all regions and are around the seasonal average for this time of year (pages 3 to 5). ILI rates are now below the medium threshold across all age bands: see Table (E), page 5.

Rates of acute respiratory infections (ARI) are stable across all regions, remaining at or below the seasonal average, page 7.

Overall rates of COVID-19 are stable and remain low, page 6.

This report includes a respiratory virology update: see Graph (C), page 4.

Other comments:

- Rates of scabies (page 16) remain above the seasonal average.

## Seasonal Focus

In the "Change since last week" column, a change in rate of 5% to 10% is marked with a single arrow (↗ or ↘), while a change of more than 10% is marked with a double arrow (↗↗ or ↘↘). A flat line (—) indicates the rate was stable, changing less than 5%.

### Region Breakdown

	Acute respiratory infections (ARI)			Influenza-like illness (ILI)			Exacerbations of chronic lung disease (ECLD)		
	This week	Last week	Change since last week	This week	Last week	Change since last week	This week	Last week	Change since last week
London	151.2	125.6	↗ 25.7	2.3	1.6	↗ 0.7	9.3	7.6	↗ 1.7
Midlands And East	181.2	159.1	↗ 22.1	0.9	1.1	↘ -0.1	13.3	12.1	↗ 1.1
North	230.0	206.0	↗ 24.0	1.8	1.8	— 0.0	20.3	17.5	↗ 2.9
South	172.5	146.1	↗ 26.4	1.8	1.6	↗ 0.2	12.4	11.0	↗ 1.4
<b>National</b>	<b>184.5</b>	<b>159.8</b>	<b>↗ 24.7</b>	<b>1.7</b>	<b>1.5</b>	<b>↗ 0.2</b>	<b>14.0</b>	<b>12.2</b>	<b>↗ 1.8</b>
	Lower respiratory tract infections (LRTI)			Upper respiratory tract infections (URTI)			COVID-19		
	This week	Last week	Change since last week	This week	Last week	Change since last week	This week	Last week	Change since last week
London	37.2	30.8	↗ 6.4	108.5	90.0	↗ 18.5	1.0	0.6	↗ 0.4
Midlands And East	60.3	56.8	↗ 3.5	113.9	96.7	↗ 17.3	0.6	0.4	↗ 0.2
North	80.1	75.5	↗ 4.6	140.7	122.7	↗ 18.0	0.9	0.5	↗ 0.4
South	57.4	50.6	↗ 6.9	109.6	92.3	↗ 17.3	0.8	0.6	↗ 0.2
<b>National</b>	<b>59.7</b>	<b>54.3</b>	<b>↗ 5.4</b>	<b>118.1</b>	<b>100.3</b>	<b>↗ 17.8</b>	<b>0.8</b>	<b>0.5</b>	<b>↗ 0.3</b>

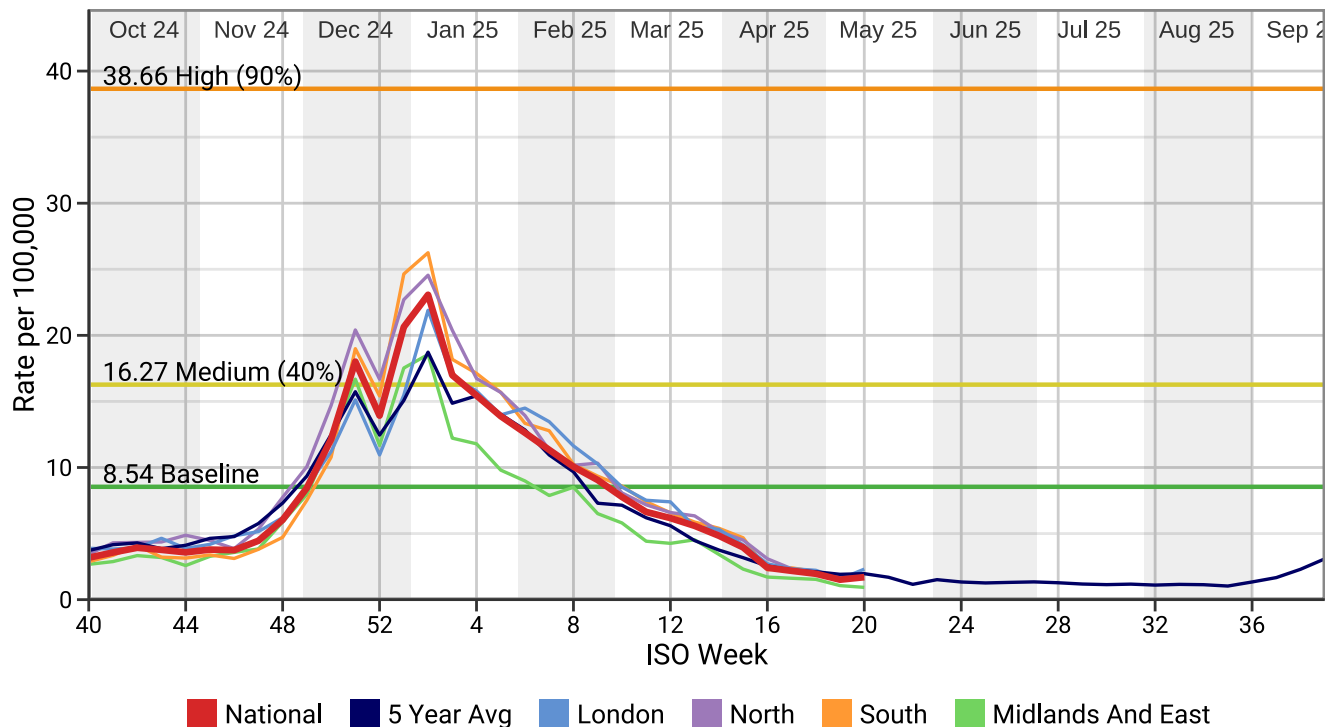
### Age Group Breakdown

	Acute respiratory infections (ARI)			Influenza-like illness (ILI)			Exacerbations of chronic lung disease (ECLD)		
	This week	Last week	Change since last week	This week	Last week	Change since last week	This week	Last week	Change since last week
<1yr	914.0	757.1	↗ 156.9	2.3	1.5	↗ 0.7	0.0	0.0	— 0.0
1-4yrs	655.1	553.6	↗ 101.5	2.3	1.1	↗ 1.2	2.8	0.6	↗ 2.1
5-14yrs	221.4	165.0	↗ 56.4	0.7	0.7	↗ 0.1	6.2	4.3	↗ 1.9
15-64yrs	132.8	118.6	↗ 14.2	2.0	1.7	↗ 0.3	10.0	8.5	↗ 1.5
65+yrs	218.7	198.5	↗ 20.2	1.1	1.3	↘ -0.2	36.6	34.0	↗ 2.6
<b>All ages</b>	<b>184.5</b>	<b>159.8</b>	<b>↗ 24.7</b>	<b>1.7</b>	<b>1.5</b>	<b>↗ 0.2</b>	<b>14.0</b>	<b>12.2</b>	<b>↗ 1.8</b>
	Lower respiratory tract infections (LRTI)			Upper respiratory tract infections (URTI)			COVID-19		
	This week	Last week	Change since last week	This week	Last week	Change since last week	This week	Last week	Change since last week
<1yr	178.0	162.2	↗ 15.8	796.8	655.0	↗ 141.8	5.3	3.0	↗ 2.2
1-4yrs	94.7	90.1	↗ 4.6	591.1	501.3	↗ 89.8	0.3	0.2	↗ 0.2
5-14yrs	25.6	21.0	↗ 4.5	194.6	144.2	↗ 50.4	0.2	0.1	↗ 0.1
15-64yrs	41.4	37.8	↗ 3.6	85.8	76.5	↗ 9.3	0.7	0.4	↗ 0.3
65+yrs	136.9	124.6	↗ 12.3	56.3	49.7	↗ 6.7	1.7	1.4	↗ 0.3
<b>All ages</b>	<b>59.7</b>	<b>54.3</b>	<b>↗ 5.4</b>	<b>118.1</b>	<b>100.3</b>	<b>↗ 17.8</b>	<b>0.8</b>	<b>0.5</b>	<b>↗ 0.3</b>

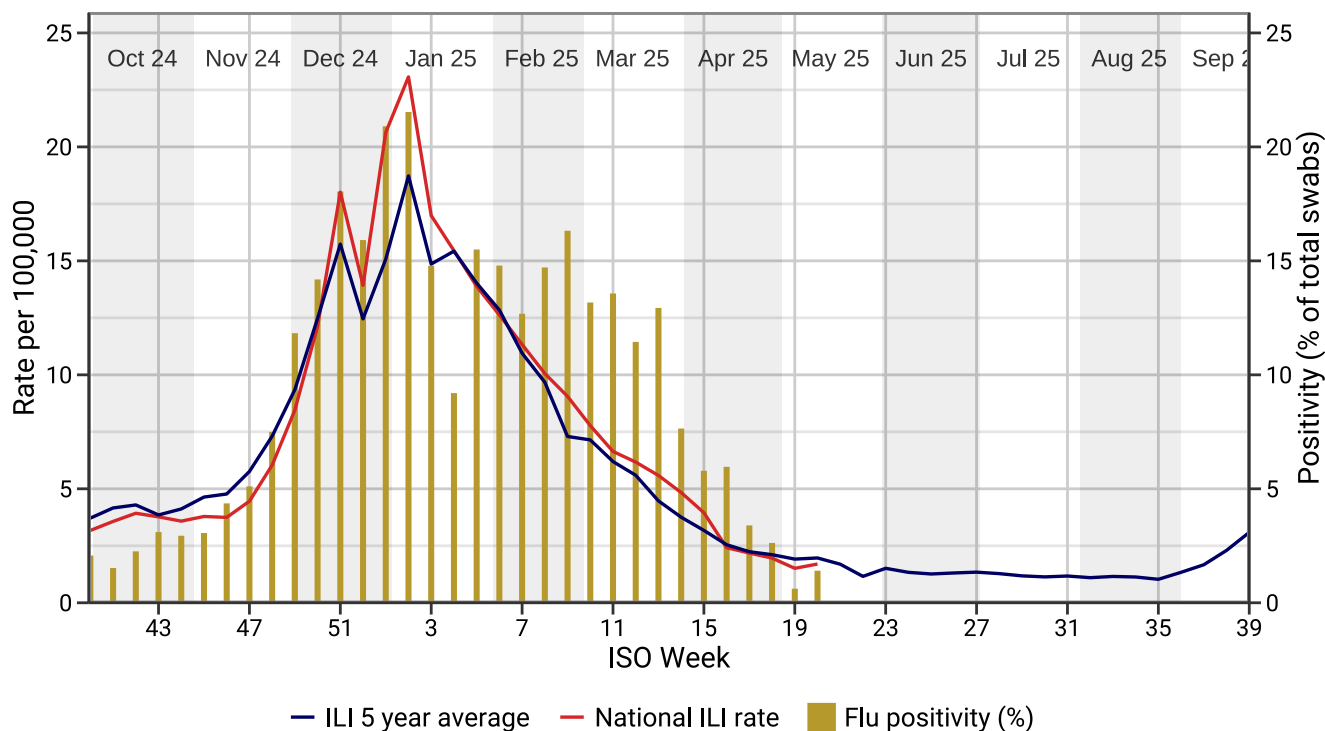
## 2024/25 Focus

### (A) Influenza-like Illness: national incidence rate by region

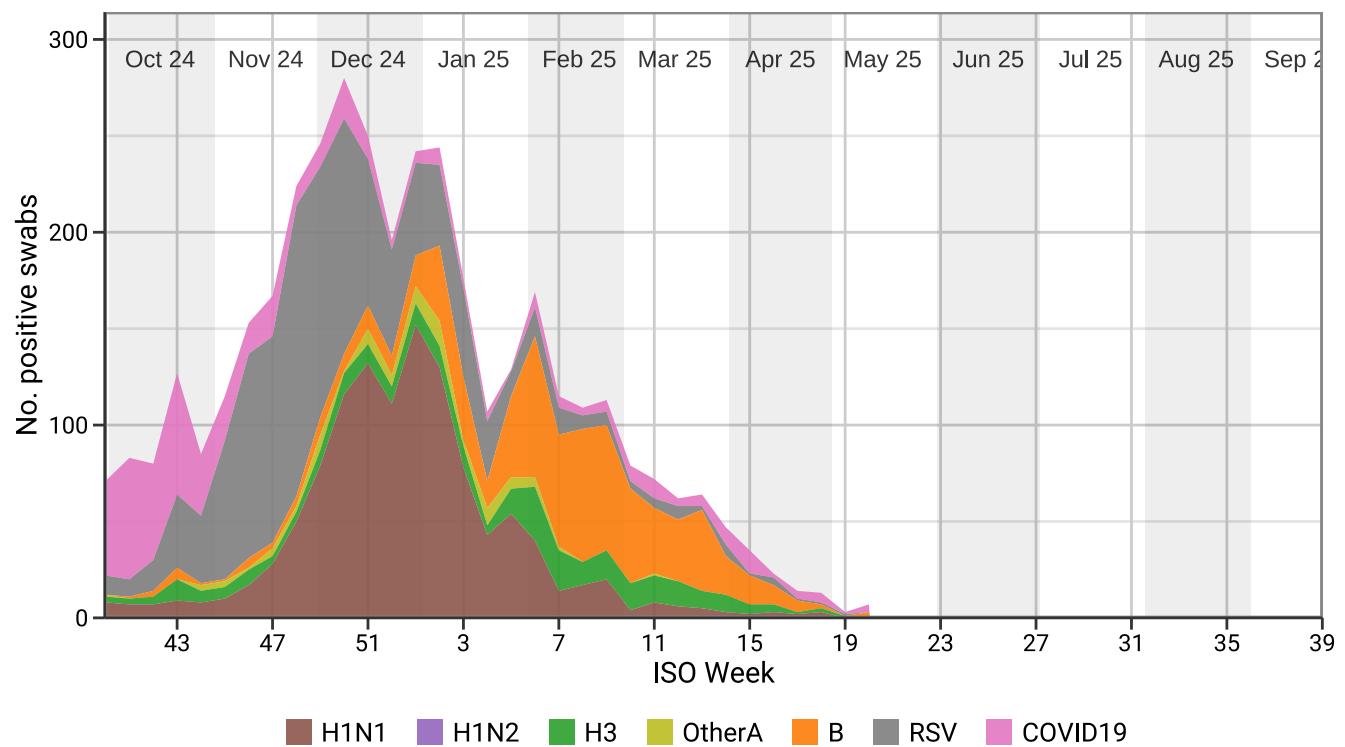
The horizontal lines in the following graph are thresholds derived from the Moving Epidemic Method (MEM) model. See p20 for more information.



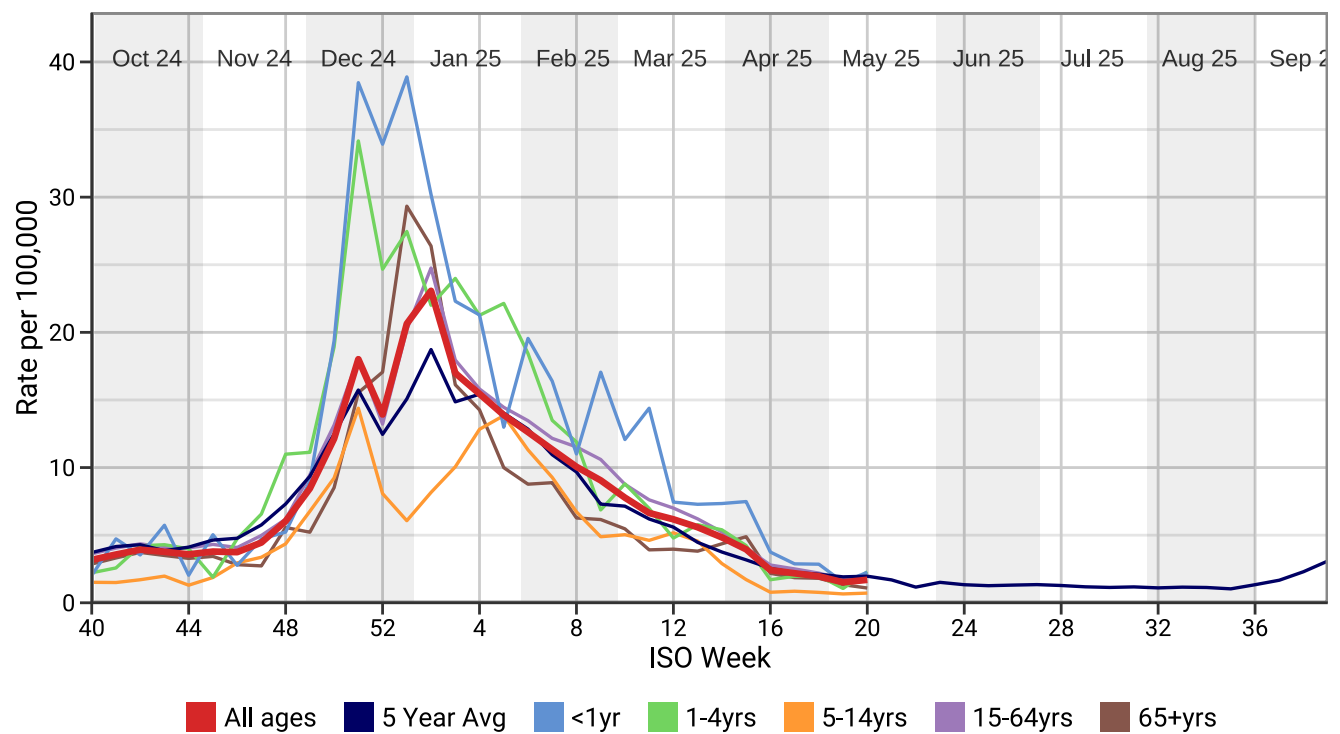
### (B) RCGP/UKHSA influenza virology swab surveillance



(C) RCGP/UKHSA RSV, influenza and SARS-CoV-2 virology swab surveillance (by strain)



(D) Influenza-like Illness: national incidence rate by age band



**(E) Influenza-like Illness: national incidence rate by age band**

This table shows the level of intensity of ILI by age band. MEM thresholds have been calculated separately for each age band - thresholds are shown in the second table. Refer to page 19 for more information.

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2
1-4yrs	0.9	3.0	2.1	2.2	2.6	4.2	4.3	4.0	1.9	4.7	6.6	11.0	11.1	18.9	34.2	24.7	27.5	22.0
5-14yrs	0.4	1.2	1.8	1.5	1.5	1.7	2.0	1.3	1.9	2.9	3.4	4.4	6.8	9.2	14.4	8.1	6.1	8.2
15-64yrs	1.8	2.5	2.8	3.6	4.0	4.4	4.1	4.1	4.3	4.1	5.0	6.2	9.5	13.1	18.1	13.2	20.2	24.8
65+yrs	1.6	1.8	1.7	2.9	3.3	3.7	3.5	3.3	3.4	2.8	2.7	5.6	5.2	8.5	15.5	17.1	29.3	26.4
All ages	1.5	2.3	2.5	3.2	3.6	3.9	3.8	3.6	3.8	3.7	4.5	6.0	8.5	12.1	18.0	13.9	20.6	23.1

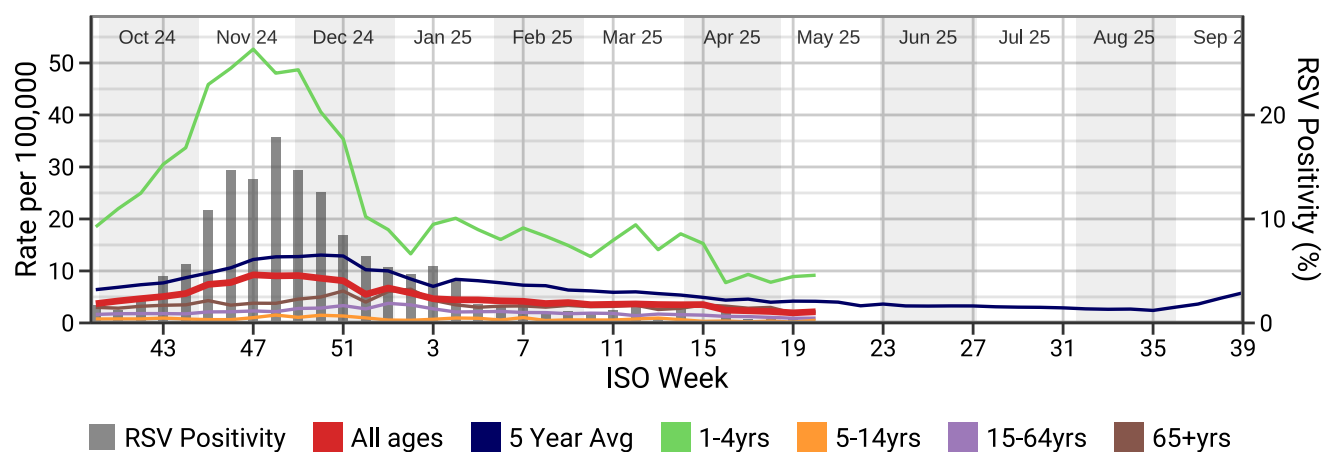
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1-4yrs	24.0	21.3	22.1	18.4	13.5	11.9	6.9	8.8	7.0	4.8	5.8	5.4	4.2	1.7	2.0	2.0	1.1	2.3
5-14yrs	10.1	12.8	13.8	11.3	9.3	6.7	4.9	5.0	4.6	5.2	4.6	2.9	1.7	0.8	0.9	0.8	0.7	0.7
15-64yrs	18.0	15.8	14.5	13.5	12.2	11.5	10.6	8.8	7.6	7.0	6.2	5.2	4.0	2.8	2.5	2.2	1.7	2.0
65+yrs	16.1	14.3	10.0	8.8	8.9	6.3	6.2	5.5	3.9	4.0	3.8	4.4	4.9	2.2	1.9	1.8	1.3	1.1
All ages	17.0	15.4	13.9	12.6	11.3	10.1	9.1	7.8	6.6	6.2	5.6	4.8	4.0	2.4	2.2	2.0	1.5	1.7

	Below Threshold	Threshold to Medium	Medium to High	High to Very High	Above Very High
1-4yrs	<7.9	7.9 to 12.6	12.6 to 26.2	26.2 to 36.1	36.1+
5-14yrs	<5.4	5.4 to 10.7	10.7 to 26.6	26.6 to 39.9	39.9+
15-64yrs	<9.8	9.8 to 17.9	17.9 to 43.0	43.0 to 63.4	63.4+
65+yrs	<9.3	9.3 to 15.0	15.0 to 38.8	38.8 to 59.0	59.0+
All Ages	<8.54	8.54 to 16.27	16.27 to 38.66	38.66 to 56.68	56.68+

**(F) Acute Bronchitis and Bronchiolitis: national incidence rate by age band**

Children under 1 year old are omitted from the following graph.

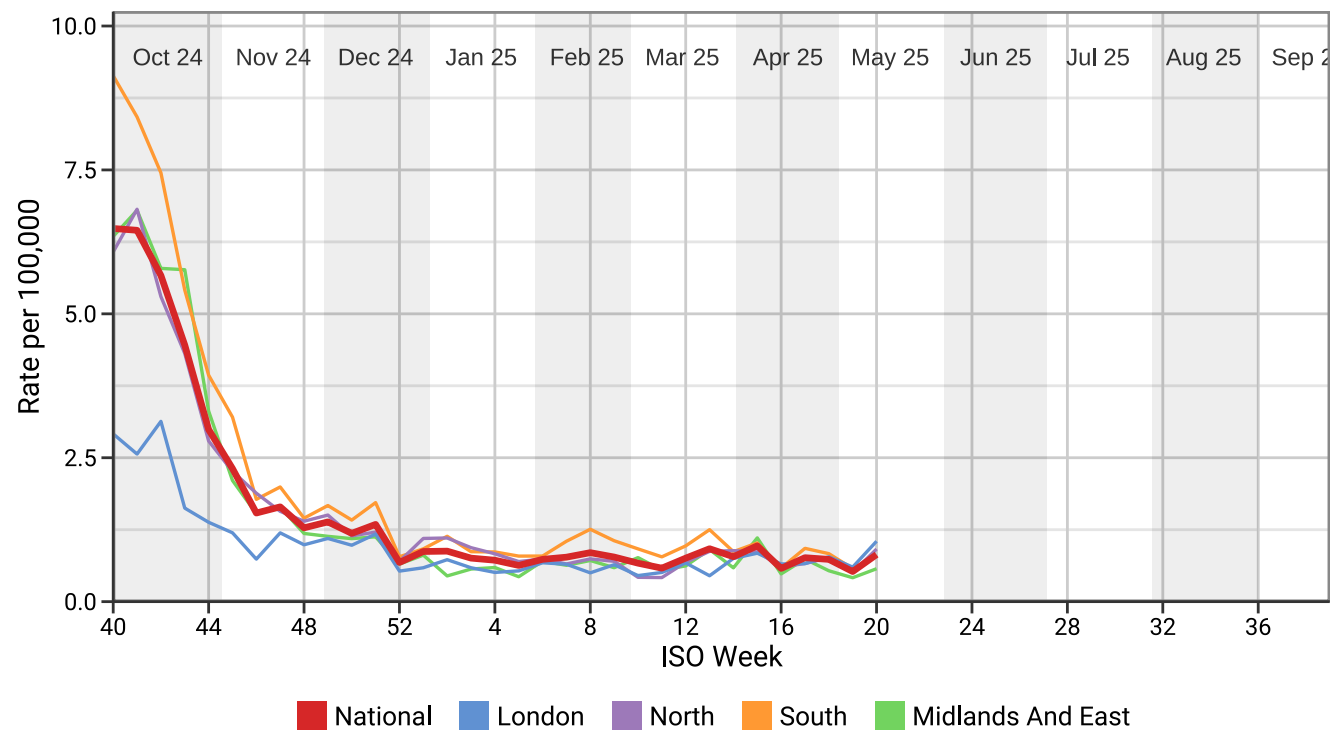
**Weekly incidence rates of influenza-like illness, and acute bronchitis and bronchiolitis (per 100,000)**

	Influenza-like illness (ILI)	ARI-Bronchitis and Bronchiolitis
<1yr	2.3	94.6
1-4yrs	2.3	9.2
5-14yrs	0.7	0.5
15-24yrs	1.8	0.2
25-44yrs	2.1	0.7
45-64yrs	2.0	1.5
65-74yrs	0.9	2.3
75-84yrs	1.1	2.4
85+yrs	1.7	1.2
All ages	1.7	2.1

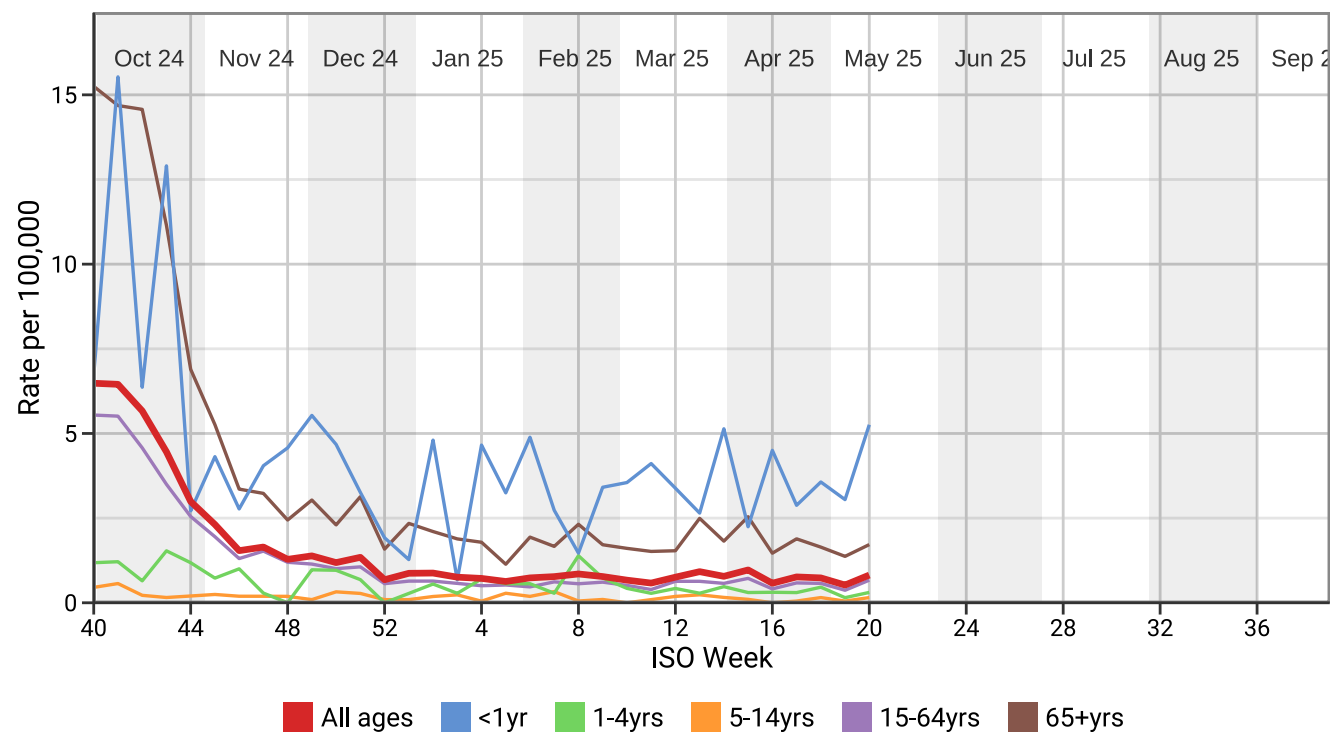
  

	Influenza-like illness (ILI)	ARI-Bronchitis and Bronchiolitis
London	2.3	1.5
Midlands And East	0.9	1.9
North	1.8	2.3
South	1.8	2.6
National	1.7	2.1

(G) COVID-19: national incidence rate by region

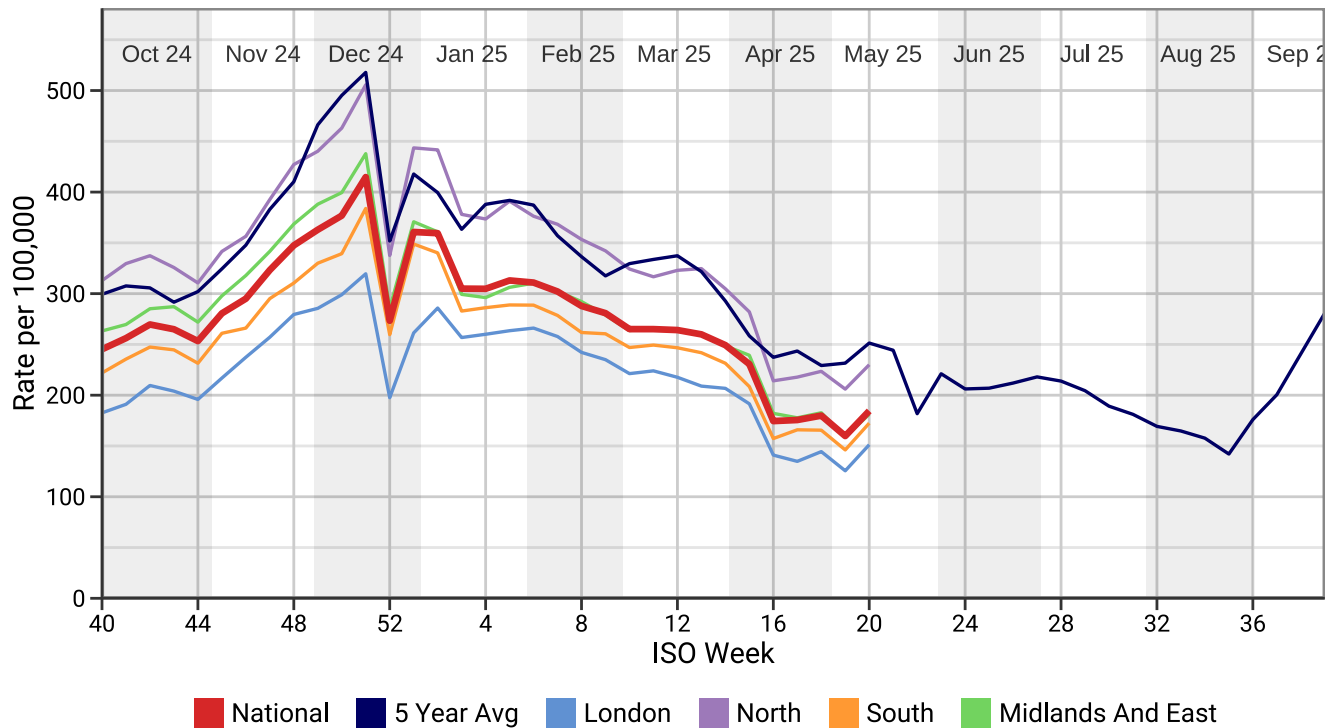


(H) COVID-19: national incidence rate by age band

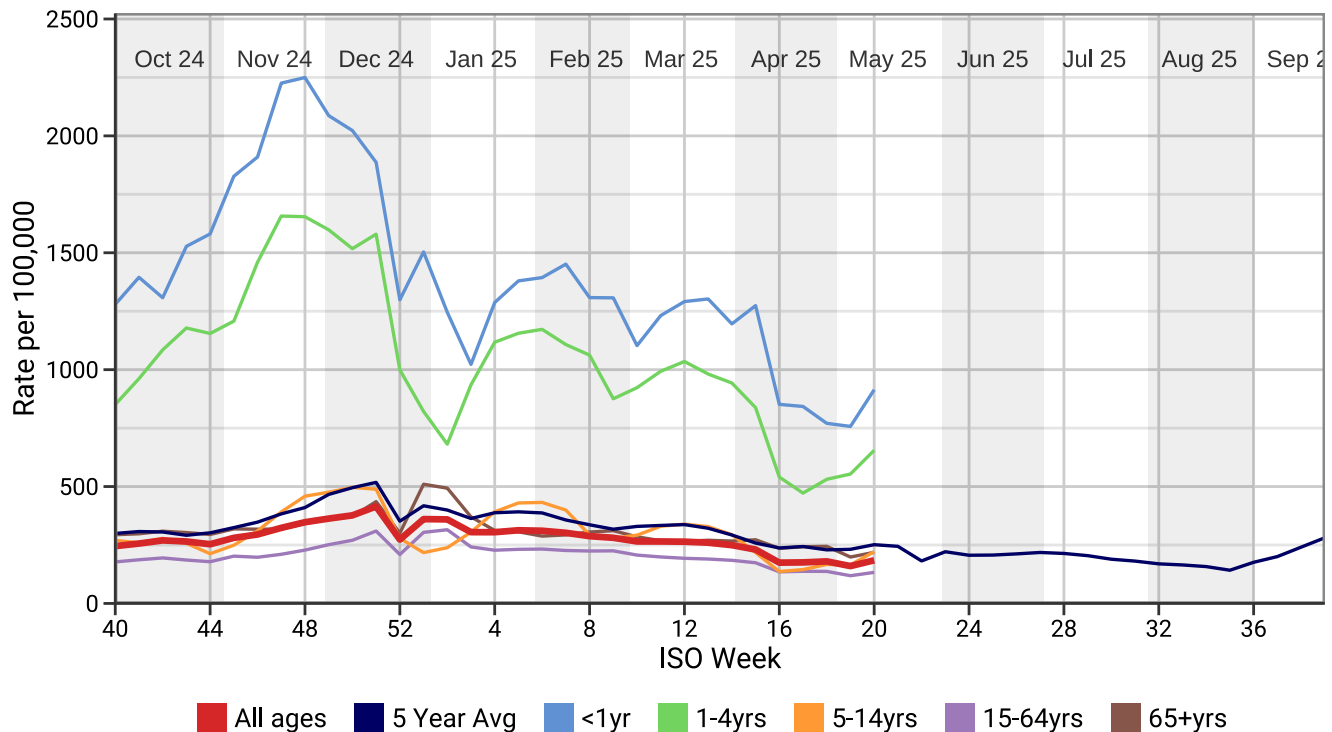


# 1. Respiratory Infections

## (I) Acute Respiratory Infections (ARI): national incidence rate by region



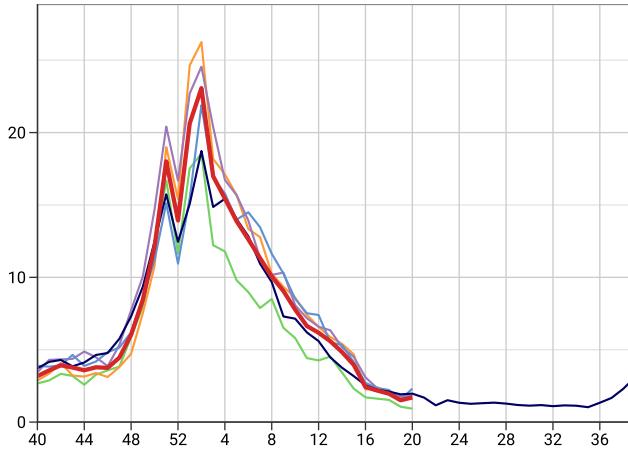
## (J) Acute Respiratory Infections (ARI): national incidence rate by age band



## Respiratory Infections - by region

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

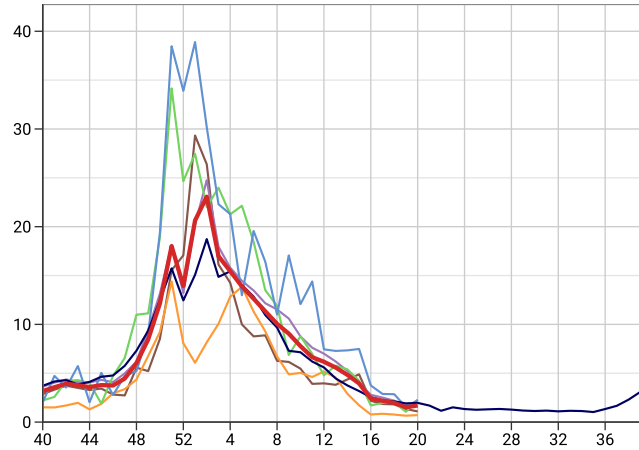
**Influenza-like illness (ILI)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



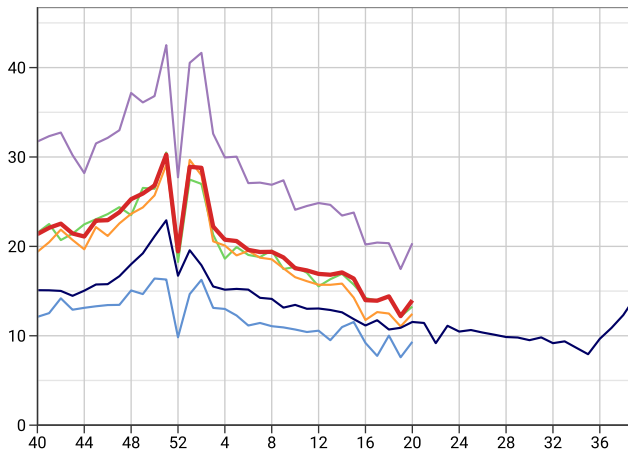
## Respiratory Infections - by age band

■ All ages ■ <1yr ■ 5-14yrs ■ 65+yrs  
■ 5 Year Avg ■ 1-4yrs ■ 15-64yrs

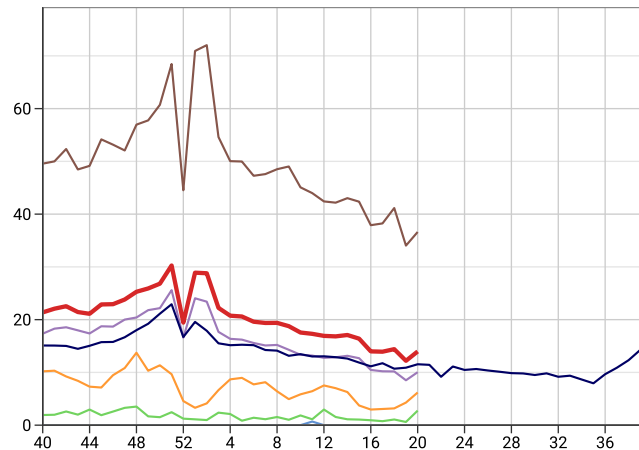
**Influenza-like illness (ILI)**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



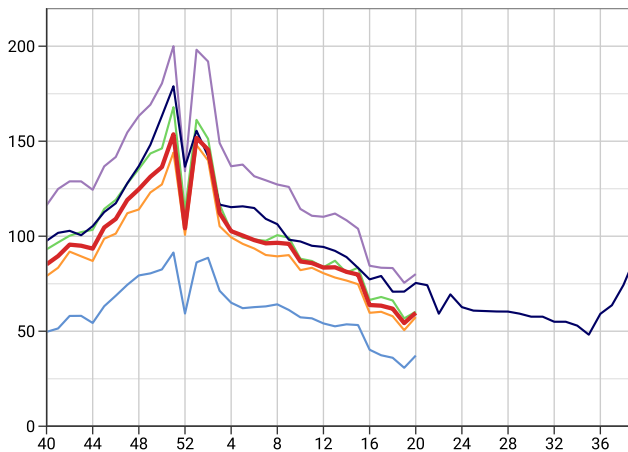
**Exacerbations of Chronic Lung Disease (ECLD)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



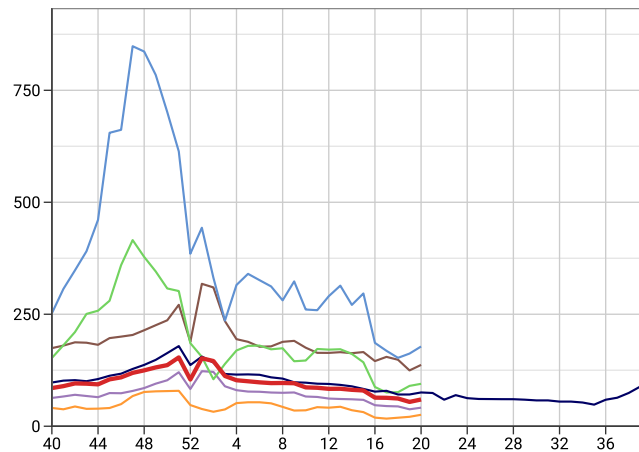
**Exacerbations of Chronic Lung Disease (ECLD)**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



**Lower Respiratory Tract Infections (LRTI)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



**Lower Respiratory Tract Infections (LRTI)**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average

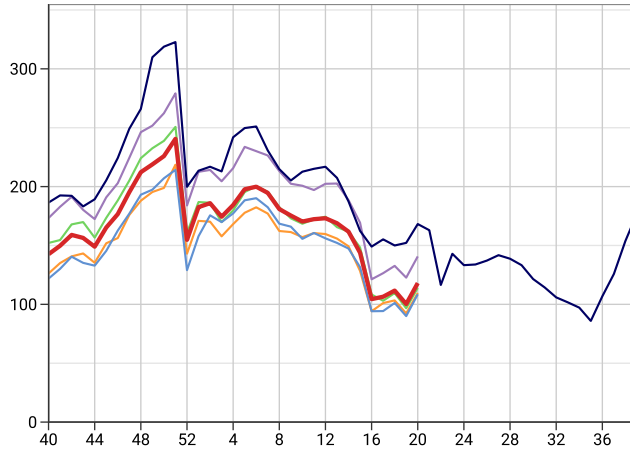




## Respiratory Infections - by region

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

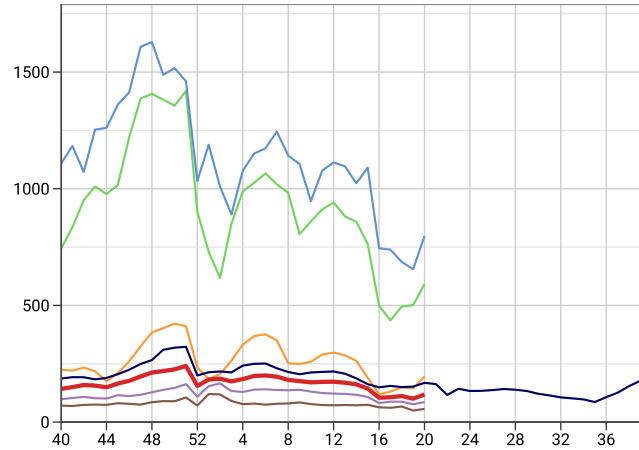
**Upper Respiratory Tract Infections (URTI)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



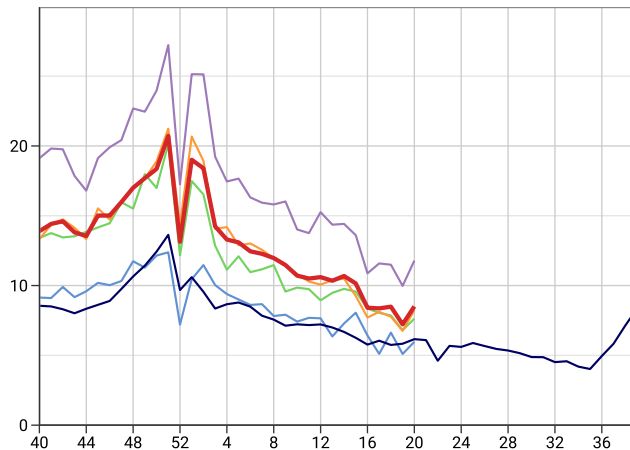
## Respiratory Infections - by age band

■ All ages ■ <1yr ■ 5-14yrs ■ 65+yrs  
■ 5 Year Avg ■ 1-4yrs ■ 15-64yrs

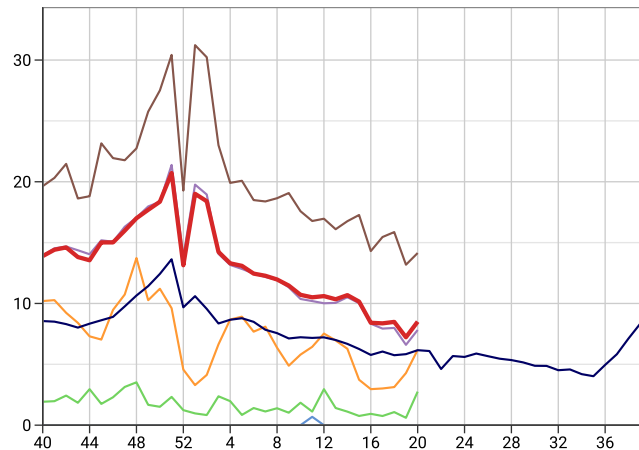
**Upper Respiratory Tract Infections (URTI)**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



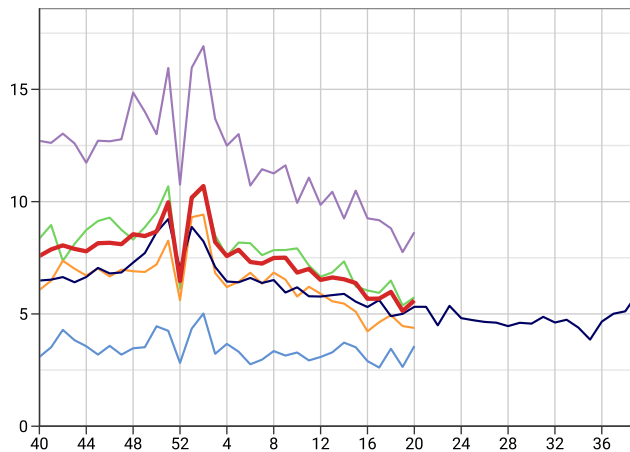
**ECLD - Asthma Exacerbations**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



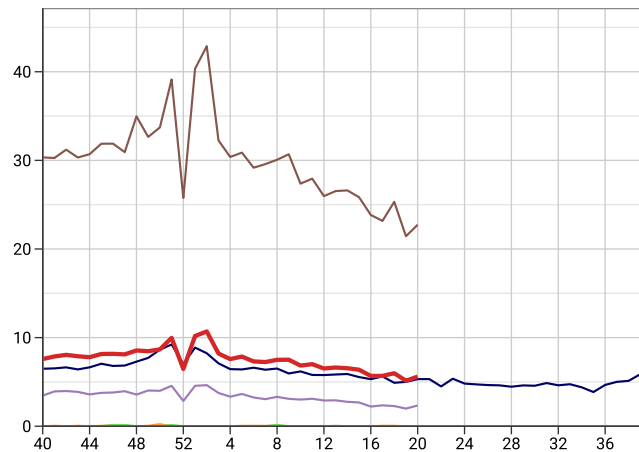
**ECLD - Asthma Exacerbations**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



**ECLD - COPD Exacerbations**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



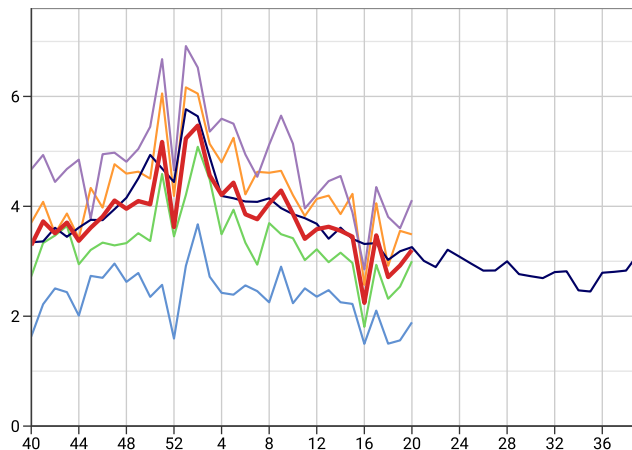
**ECLD - COPD Exacerbations**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



## Respiratory Infections - by region

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

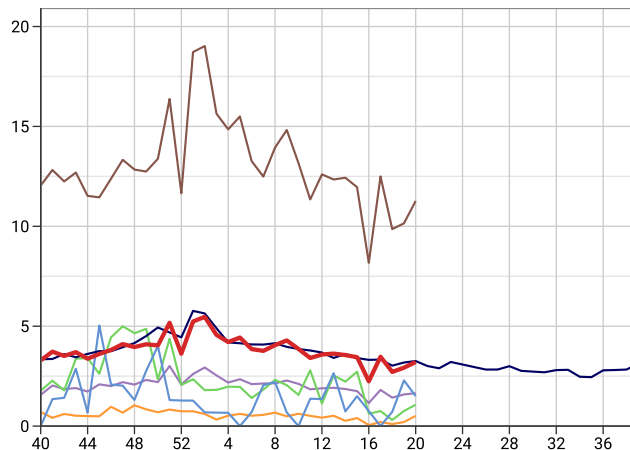
**LRTI - Pneumonia**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



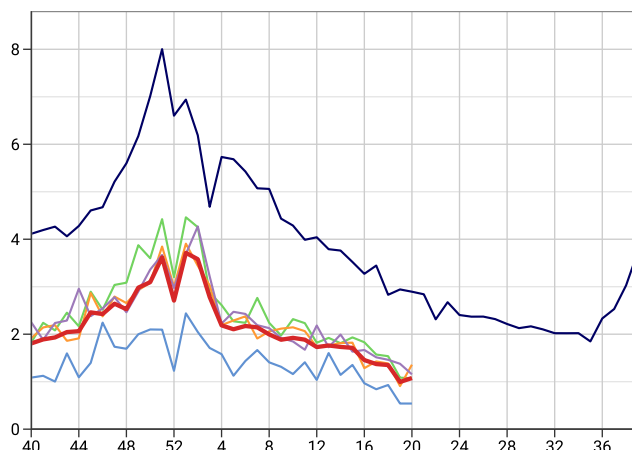
## Respiratory Infections - by age band

■ All ages ■ <1yr ■ 5-14yrs ■ 65+yrs  
■ 5 Year Avg ■ 1-4yrs ■ 15-64yrs

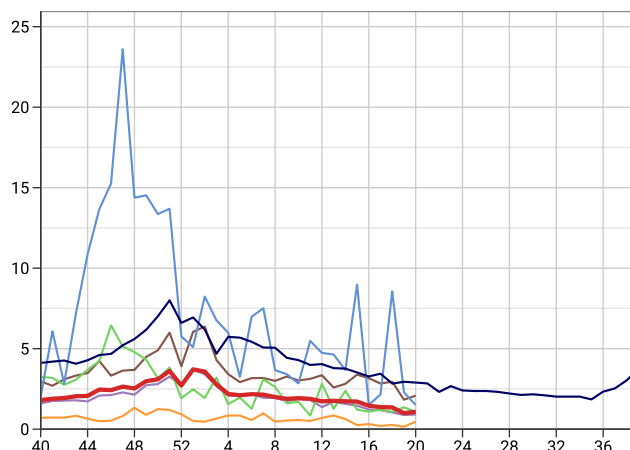
**LRTI - Pneumonia**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



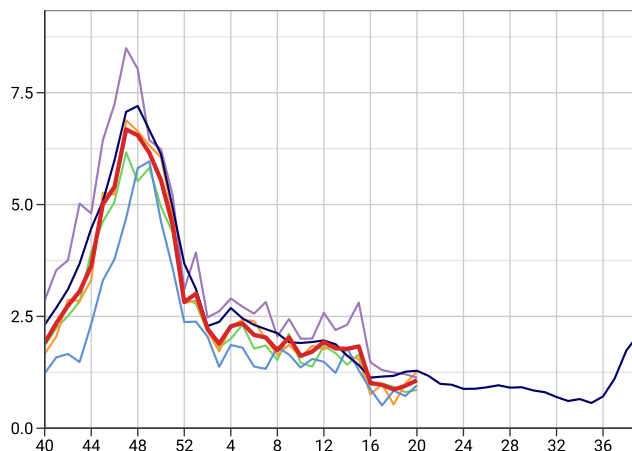
**LRTI - Acute Bronchitis**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



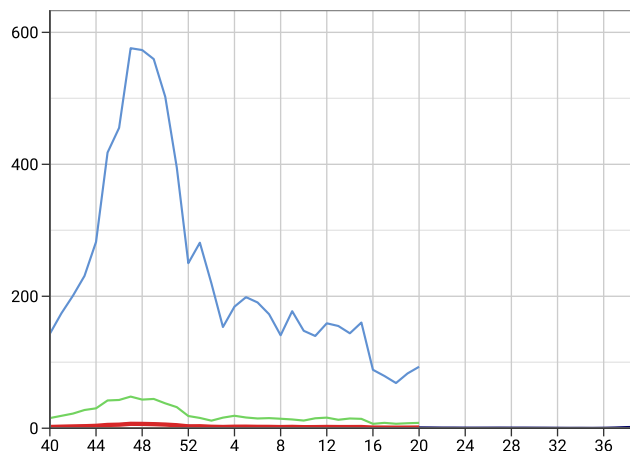
**LRTI - Acute Bronchitis**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



**LRTI - Bronchiolitis**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



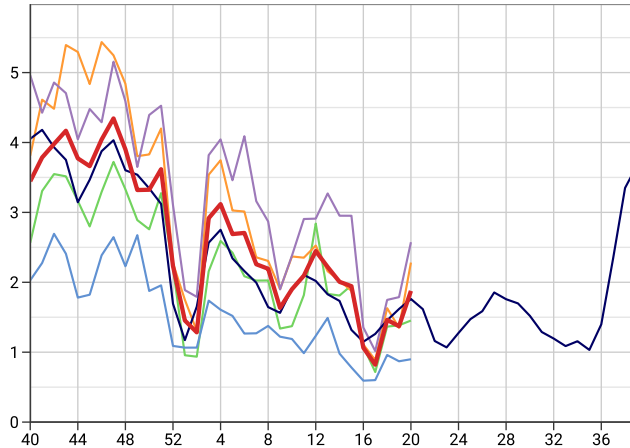
**LRTI - Bronchiolitis**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



## Respiratory Infections - by region

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

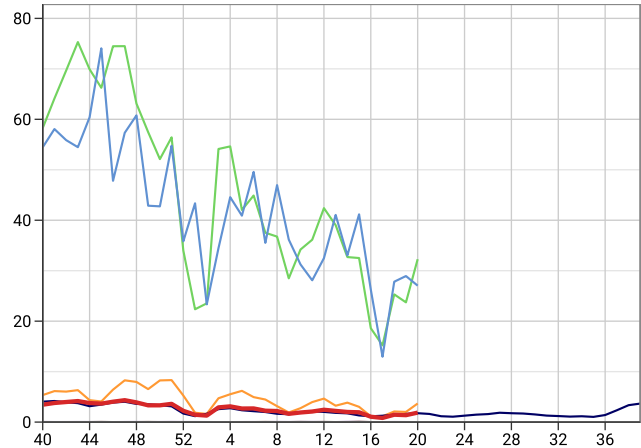
**URTI - Croup**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



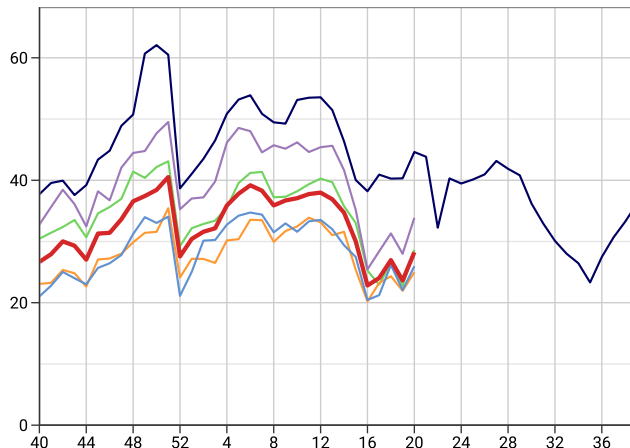
## Respiratory Infections - by age band

■ All ages 
 ■ <1yr 
 ■ 5-14yrs 
 ■ 65+yrs 
 ■ 5 Year Avg 
 ■ 1-4yrs 
 ■ 15-64yrs

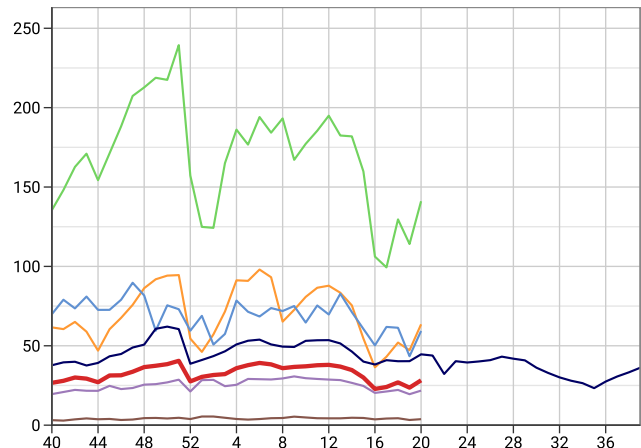
**URTI - Croup**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



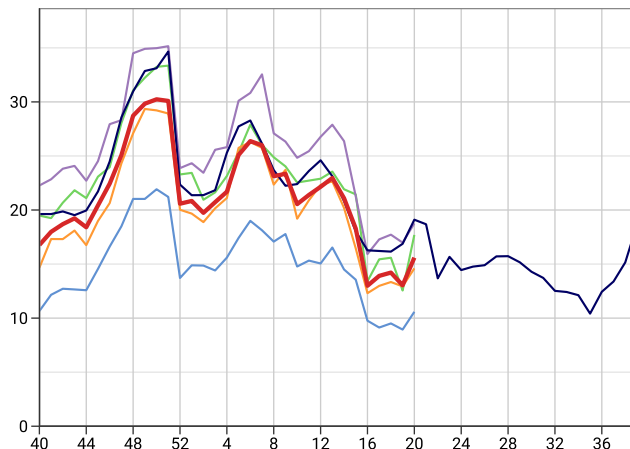
**URTI - Tonsillitis/Pharyngitis**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



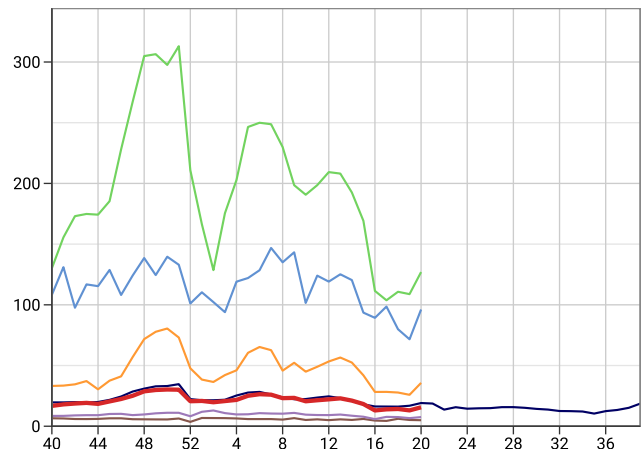
**URTI - Tonsillitis/Pharyngitis**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



**URTI - Otitis Media**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



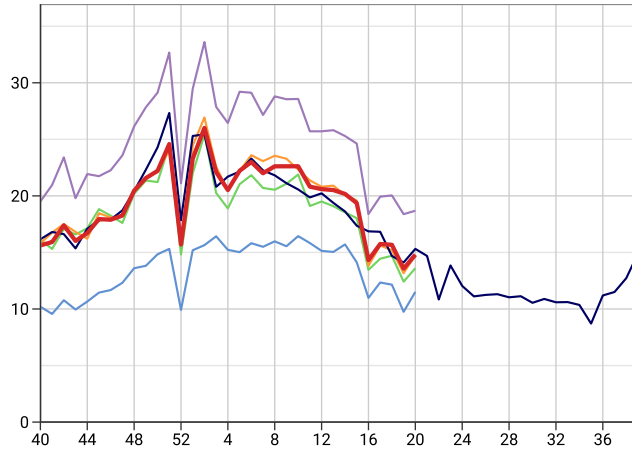
**URTI - Otitis Media**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



## Respiratory Infections - by region

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

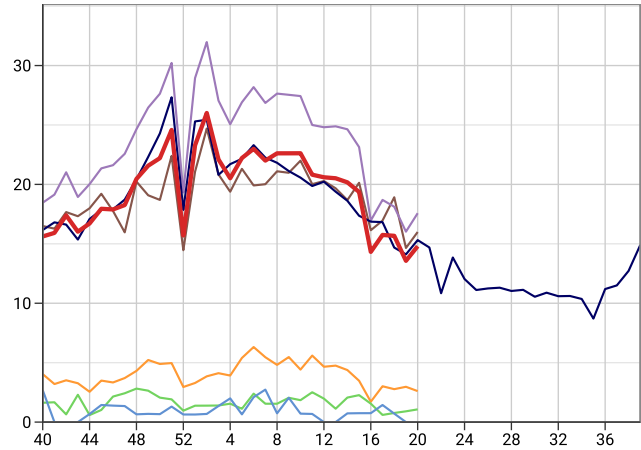
**URTI - Sinusitis**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



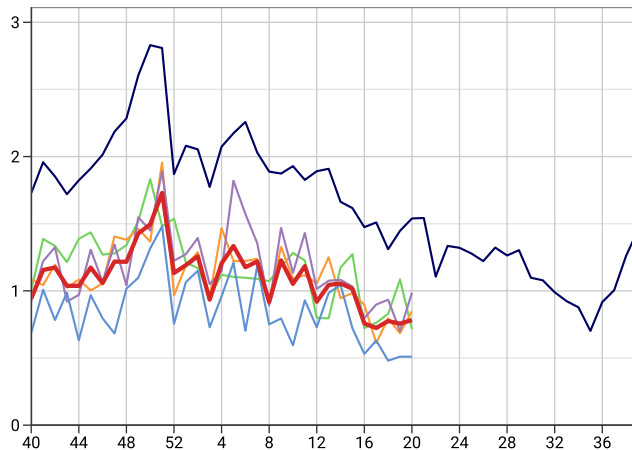
## Respiratory Infections - by age band

■ All ages 
 ■ <1yr 
 ■ 5-14yrs 
 ■ 65+yrs 
 ■ 5 Year Avg 
 ■ 1-4yrs 
 ■ 15-64yrs

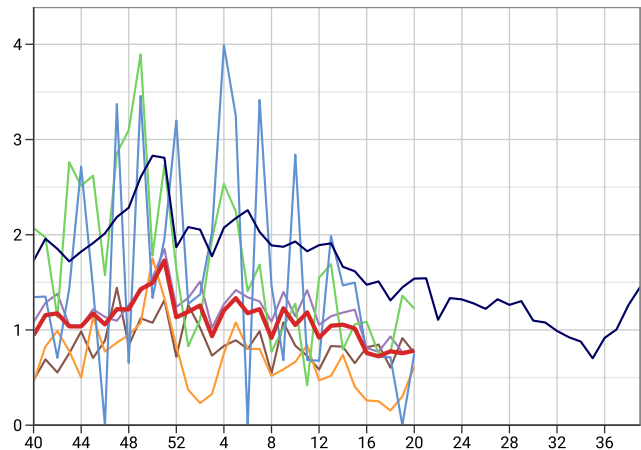
**URTI - Sinusitis**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



**URTI - Laryngitis**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



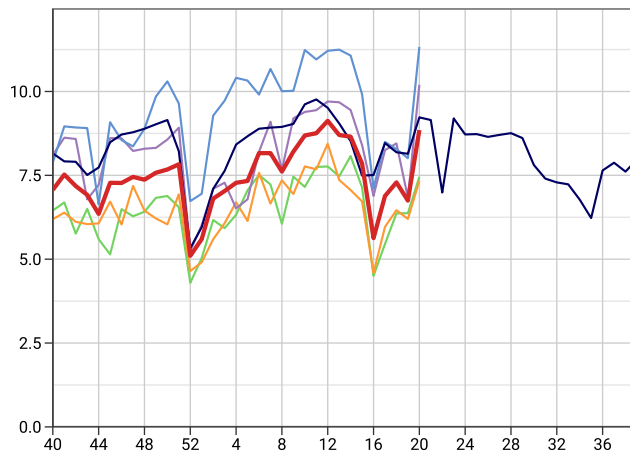
**URTI - Laryngitis**  
Weekly incidence (per 100,000 all ages) by age band for 2024/25 compared with 5 year average



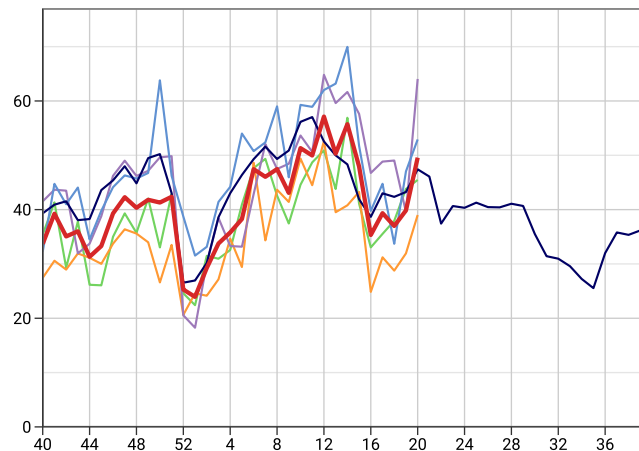
## 2. Water and Food Borne Disorders

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

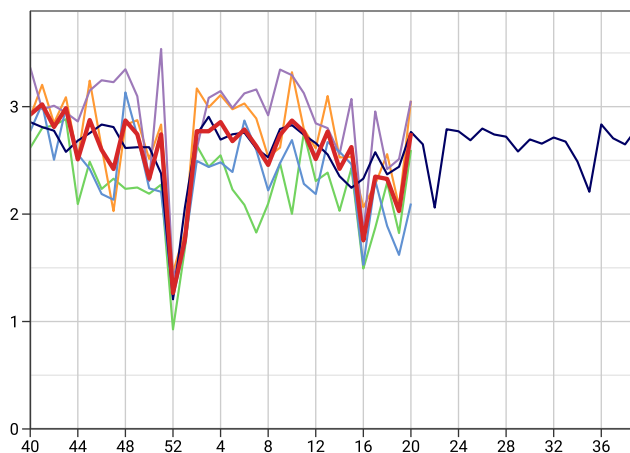
**Infectious Intestinal Disease (ICD10: A00-A09)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



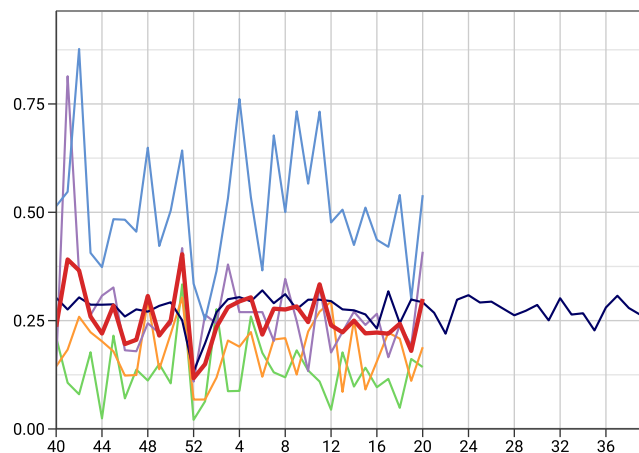
**Infectious Intestinal Disease (ICD10: A00-A09)**  
Weekly incidence (per 100,000 0-4 years) by region for 2024/25 compared with 5 year average



**Non-Infective Enteritis and Colitis (ICD10: K50-K52)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



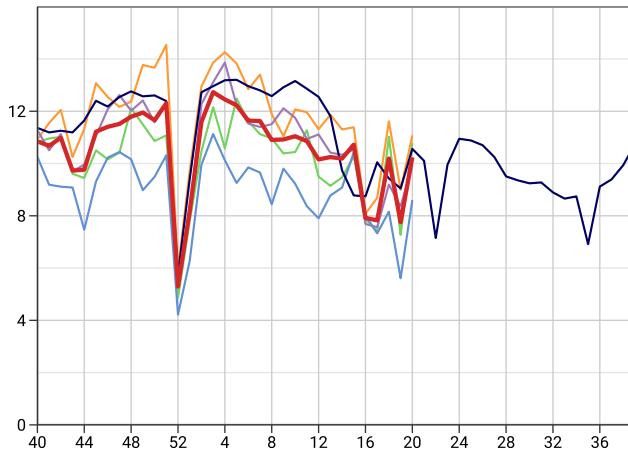
**Viral Hepatitis (ICD10: B15-B19)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



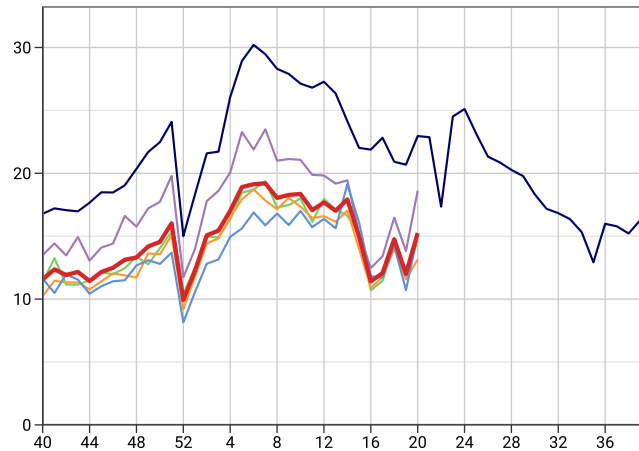
### 3. Environmentally Sensitive Disorders

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

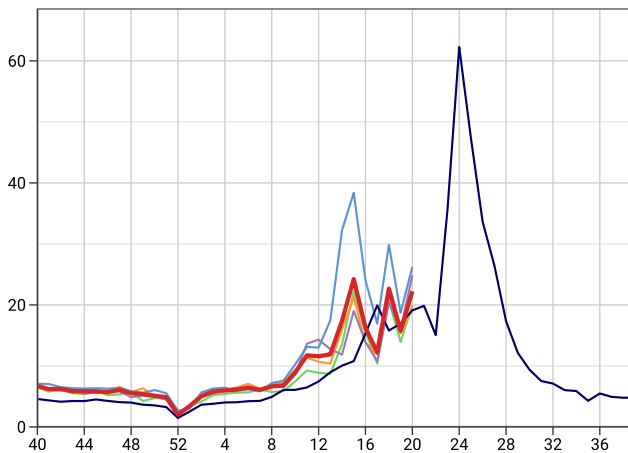
**Asthma (ICD10: J45-J46)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



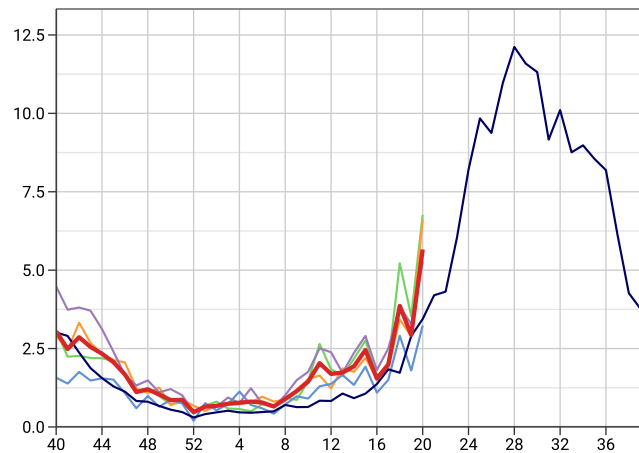
**Disorders of Conjunctiva (ICD10: H10-H13)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



**Hayfever / Allergic Rhinitis (ICD10: J30)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



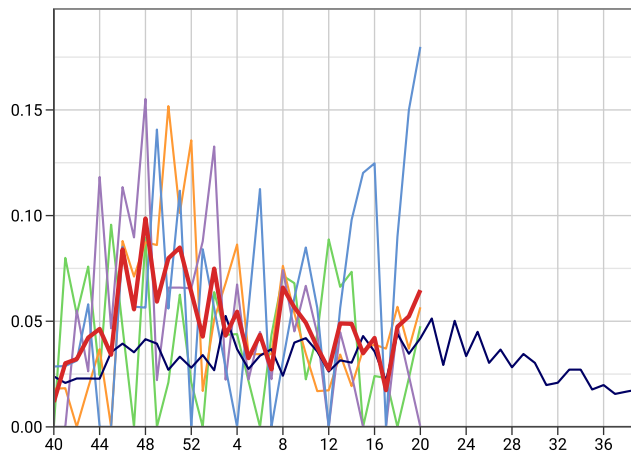
**Infected Insect Bites**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



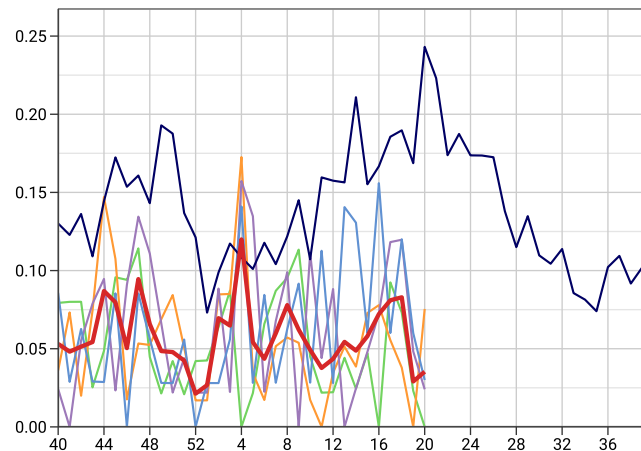
## 4. Vaccine Sensitive Disorders

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

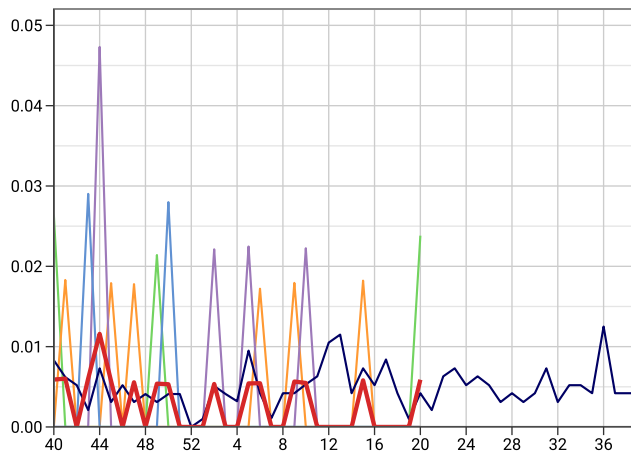
**Measles (ICD10: B05)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



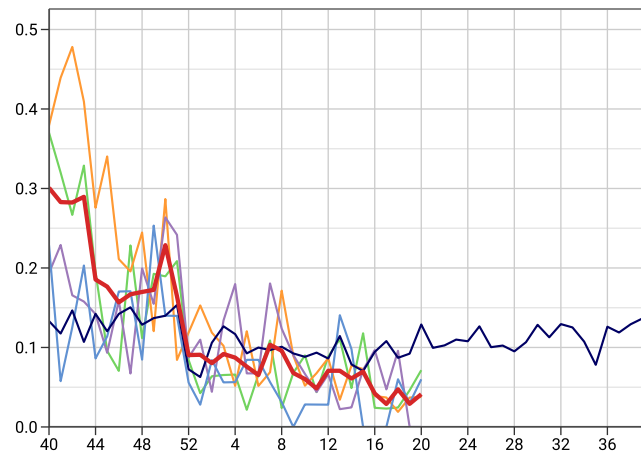
**Mumps (ICD10: B26)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



**Rubella (ICD10: B06)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



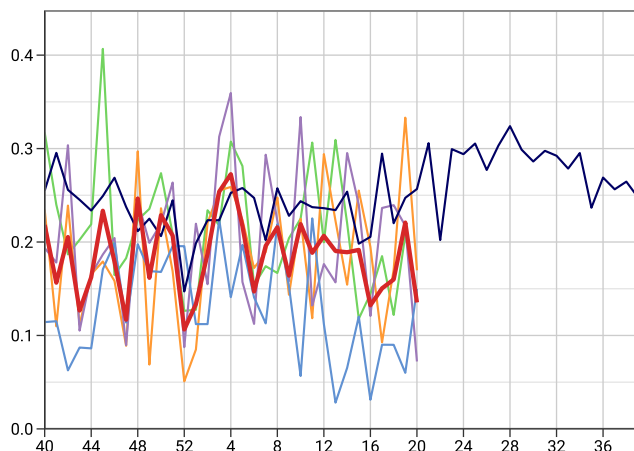
**Whooping Cough (ICD10: A37)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



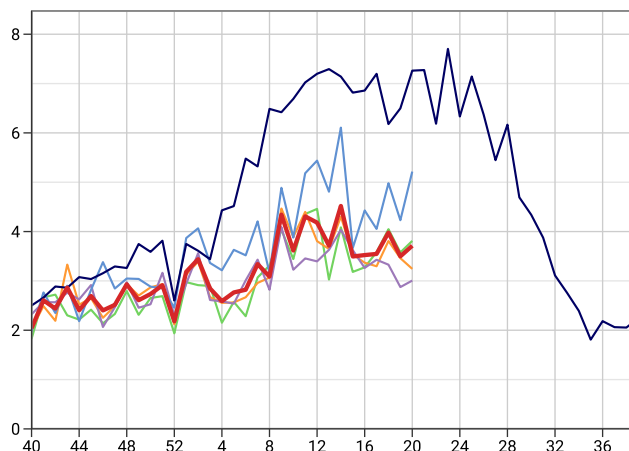
## 5. Skin Contagions

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

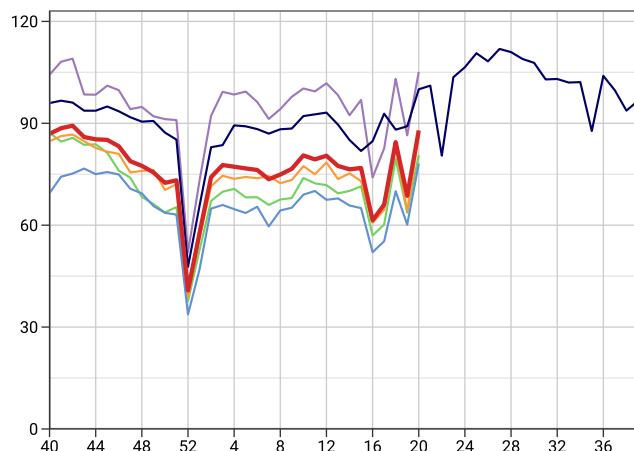
**Bullous Dermatoses (ICD10: L10-L14)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



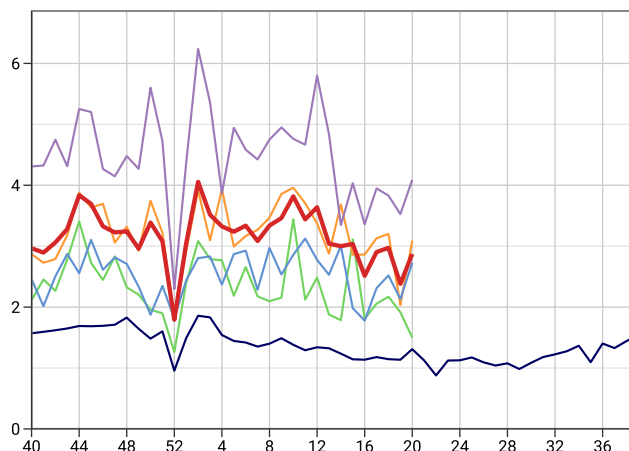
**Chickenpox (ICD10: B01)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



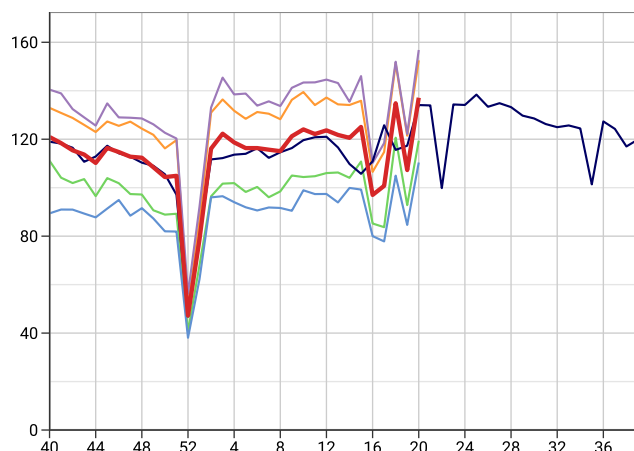
**Infections of Skin & Subcutaneous Tissue (ICD10: L00-L08)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



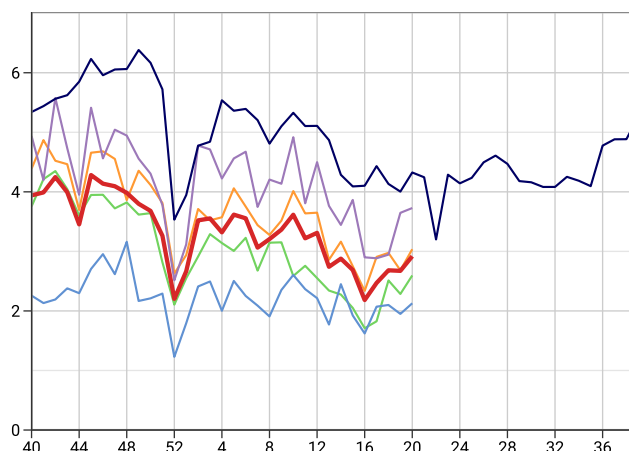
**Scabies (ICD10: B86)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



**Symptoms of Skin & Integument Tissue (ICD10: R20-R23),**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



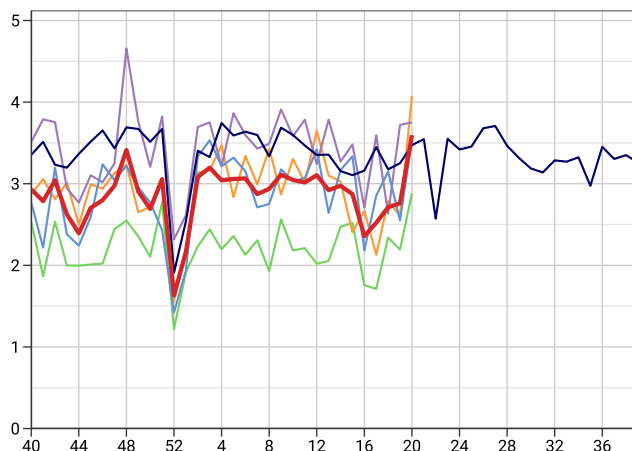
**Impetigo (ICD10: L01)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



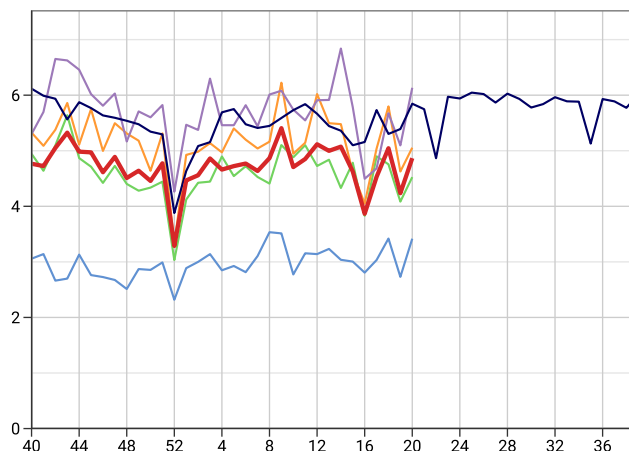


■ National 
 ■ 5 Year Avg 
 ■ London 
 ■ North 
 ■ South 
 ■ Midlands And East

**Herpes Simplex (ICD10: B00)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average

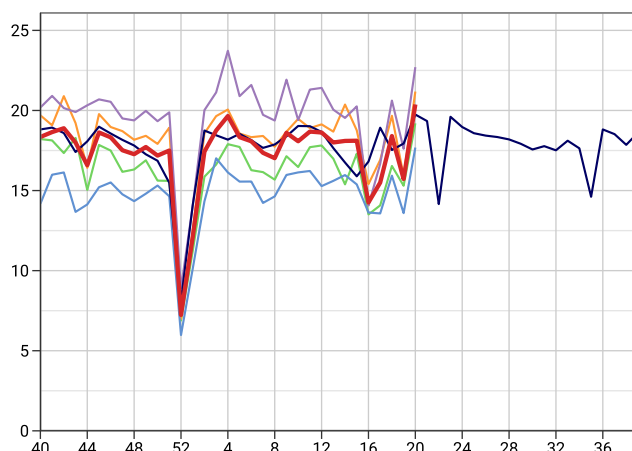


**Herpes Zoster (ICD10: B02)**  
Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average

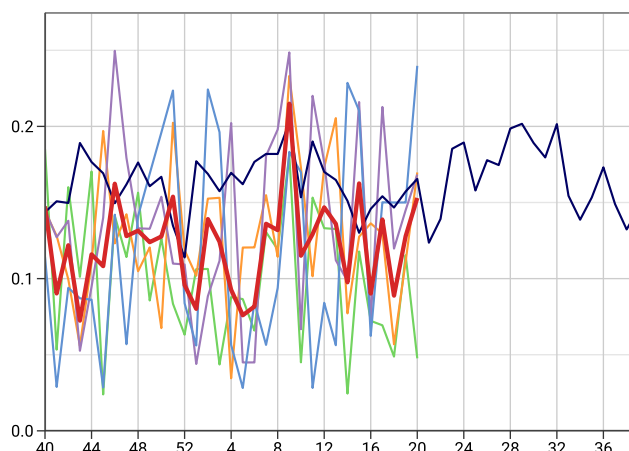


## 6. Disorders Affecting the Nervous System

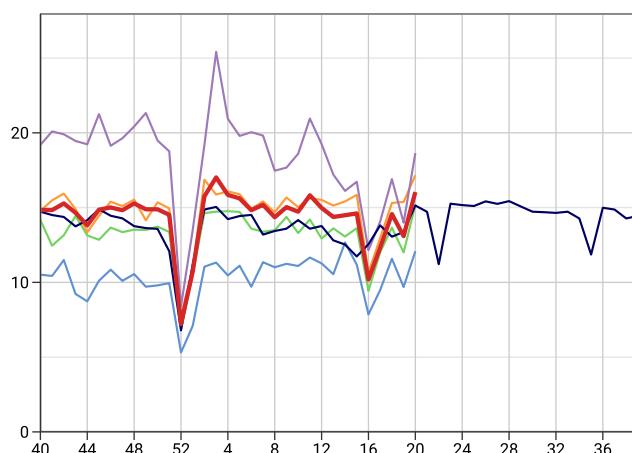
**Disorders of Peripheral Nervous System (ICD10: G50-G64,G70-G72), Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average**



**Meningitis/Encephalitis (ICD10: A170-A171,A390,A38-A85,A87,G00-G05), Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average**



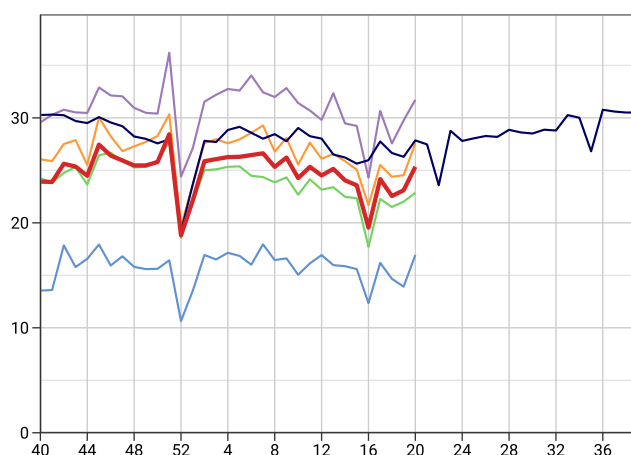
**Symptoms of Nervous & Musculoskeletal Systems (ICD10: R25-R29), Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average**



## 7. Genitourinary System Disorders

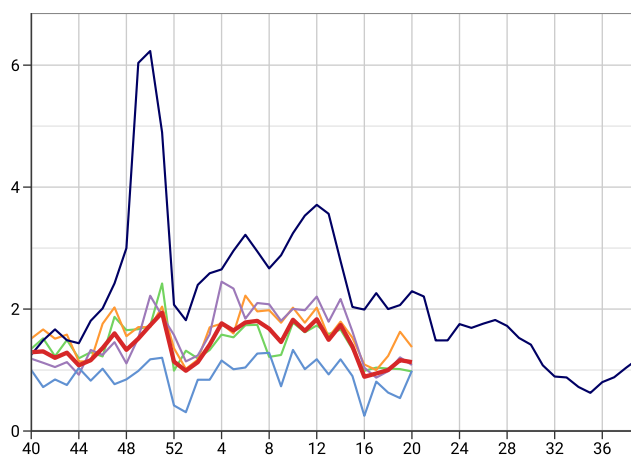
■ National 
 ■ 5 Year Avg 
 ■ London 
 ■ North 
 ■ South 
 ■ Midlands And East

**Urinary Tract Infection/Cystitis (ICD10: N30,N390)**  
 Weekly incidence (per 100,000 all ages) by region for 2024/25  
 compared with 5 year average

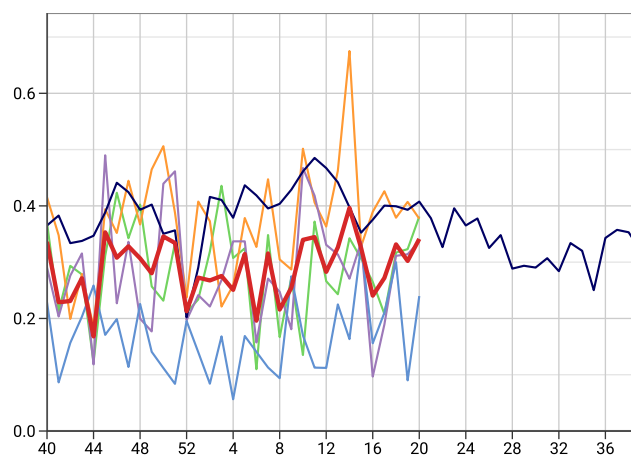


## 8. Other Disorders

**Strep Sore Throat, Scarletina and Peritonsillar Abscess (ICD10: A38,J020,J36)**, Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



**Infectious Mononucleosis (ICD10: B27)**  
 Weekly incidence (per 100,000 all ages) by region for 2024/25 compared with 5 year average



## 9. Tabular Summary by Disease

	Week 17	Week 18	Week 19	Week 20
Dates	21/04/2025 - 27/04/2025	28/04/2025 - 04/05/2025	05/05/2025 - 11/05/2025	12/05/2025 - 18/05/2025
Population	17,286,516	16,887,804	17,209,933	16,994,963
Practice Count	1,619	1,580	1,608	1,596

Disease	Week 17		Week 18		Week 19		Week 20	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Acute Bronchitis	1.4	237	1.4	228	1.0	171	1.1	183
Acute Respiratory Infections (ARI)	175.6	30,352	179.9	30,379	159.8	27,502	184.5	31,360
Allergic Rhinitis	12.2	2,112	22.7	3,830	15.8	2,715	22.2	3,779
Asthma	7.8	1,353	10.2	1,721	7.8	1,334	10.2	1,740
Bronchiolitis	1.0	168	0.9	146	0.9	163	1.1	182
Bullous Dermatoses	0.2	26	0.2	27	0.2	38	0.1	23
COVID-19	0.8	132	0.7	124	0.5	90	0.8	139
Chickenpox	3.5	613	4.0	672	3.5	602	3.7	631
Conjunctival Disorders	12.1	2,085	14.8	2,492	12.0	2,065	15.2	2,591
Croup	0.8	142	1.5	247	1.4	236	1.9	319
ECLD - COPD exacerbations	5.7	982	6.0	1,010	5.1	883	5.6	951
ECLD - asthma exacerbations	8.4	1,446	8.5	1,433	7.2	1,243	8.5	1,445
Exacerbations of chronic lung disease (ECLD)	13.9	2,407	14.4	2,433	12.2	2,099	14.0	2,374
Herpes Simplex	2.5	436	2.7	458	2.8	475	3.6	611
Herpes Zoster	4.5	783	5.0	852	4.2	729	4.9	827
Impetigo	2.5	427	2.7	453	2.7	460	2.9	496
Infected Insect Bites	2.0	345	3.9	652	2.9	505	5.7	962
Infectious Intestinal Diseases	6.9	1,190	7.3	1,231	6.7	1,161	8.8	1,504
Infectious Mononucleosis	0.3	47	0.3	56	0.3	52	0.3	58
Influenza-like Illness (ILI)	2.2	377	2.0	331	1.5	260	1.7	289
Laryngitis	0.7	125	0.8	131	0.8	130	0.8	133
Lower respiratory tract infections (LRTI)	63.4	10,967	61.9	10,446	54.3	9,341	59.7	10,144
Measles	0.0	3	0.0	8	0.1	9	0.1	11
Meningitis and Encephalitis	0.1	24	0.1	15	0.1	22	0.2	26
Mumps	0.1	14	0.1	14	0.0	5	0.0	6
Non-infective Enteritis and Colitis	2.3	406	2.3	393	2.0	349	2.8	468
Peripheral Nervous Disease	15.5	2,679	18.4	3,108	15.7	2,705	20.4	3,463
Pneumonia	3.5	600	2.7	458	2.9	503	3.2	545
Rubella	0.0	0	0.0	0	0.0	0	0.0	1
Scabies	2.9	502	3.0	502	2.4	410	2.9	488
Sinusitis	15.7	2,722	15.7	2,647	13.6	2,335	14.8	2,515
Skin and Subcutaneous Tissue Infections	66.1	11,420	84.4	14,261	68.6	11,812	87.9	14,939
Strep Throat and Peritonsillar Abscess	0.9	163	1.0	169	1.2	200	1.1	192
Symptoms involving Skin and Integument Tissues	100.8	17,417	134.8	22,772	107.3	18,461	137.1	23,304
Symptoms involving musculoskeletal	12.3	2,131	14.6	2,460	13.1	2,253	16.0	2,726
Tonsillitis and Pharyngitis	24.0	4,155	27.0	4,553	23.6	4,066	28.2	4,800
Upper respiratory tract infections (URTI)	106.5	18,403	111.7	18,860	100.3	17,253	118.1	20,065
Urinary Tract Infections	24.2	4,178	22.6	3,809	23.1	3,976	25.3	4,307
Viral Hepatitis	0.2	38	0.2	41	0.2	31	0.3	51
Whooping Cough	0.0	5	0.0	8	0.0	5	0.0	7

## Further Information

### Focus on winter respiratory infections and infections with epidemic or pandemic infection

A key role of the RSC is to monitor conditions that cause winter pressures on the NHS, as well as provide early warnings of outbreaks, epidemics, and pandemics. The RSC has been collecting data on infections since 1957, conducting sentinel surveillance since 1967 (with virology added in 1993), and serosurveillance from 2000.

Pages 2-6 of this report focus on influenza-like illness (ILI), virology data, and acute respiratory infections (ARI). ILI is the name given to clinically identified flu cases, around half of which will be due to the influenza virus (the other half will be due to other viruses).

### Measuring the level of circulating influenza

The level of influenza-like illness (ILI) is reported using intensity thresholds (Graph A, page 2 and Table E, page 4). These are calculated using the Moving Epidemic Method (MEM). MEM works by identifying seasonal epidemic peaks and then calculating a baseline threshold and intensity levels based on pre- and post-epidemic rates. This provides a better measure of severity of ILI than simply comparing it to the five-year average rate.

The MEM intensity levels for ILI are defined as follows:

<b>Threshold to Medium</b>	Below 40% percentile
<b>Medium to High</b>	From 40% to below 90% percentile
<b>High to Very High</b>	From 90% to below 97.5% percentile
<b>Above Very High</b>	At or above 97.5% percentile

The MEM methodology is used by the UK Health Security Agency (UKHSA) and by the European Centre for Disease Prevention and Control (ECDC) to standardise reporting of influenza activity.

*More information about MEM can be found at:*

<https://www.ecdc.europa.eu/en/news-events/acute-respiratory-infections-eueea-epidemiological-update-and-current-public-health>

### Rate of monitored conditions

Our monitored conditions are reported as the number of new cases each week per 100,000 population. We refer to this as the 'weekly incidence'. All conditions are shown with males and females combined.

The report's population, also called the denominator, is the registered population of RSC practices who share anonymised data for this report. The denominator varies weekly as patients register and deregister; additionally, a practice's data may not be included if there is an issue with data extraction.

### Five-year averages

In addition to weekly incidence rates, we plot a five-year average for most conditions. Previously a ten-year average was used, but this window was shortened to reflect faster changes in seasonal variations and therefore enable a more meaningful comparison to relevant historic trends. COVID-19 pandemic years are excluded from this calculation for some conditions.

## Regional rates of monitored conditions

In addition to a national rate, we present regional rates for all monitored conditions for four regions of England. The four RSC regions are aggregated NHS regions:

<b>North</b>	NHS North East and Yorkshire, and North West regions
<b>Midlands and East</b>	NHS East of England and Midlands regions
<b>South</b>	NHS South East and South West regions
<b>London</b>	NHS London region

## Reporting of acute respiratory infections (ARI) by age band

In addition to regional rates, we report rates by age band for ARI. We display five age bands: those aged under 1 year, 1-4 years, 5-14 years, 15-64 years, and those aged 65 years and over. We subdivide ARI into four categories:

- **influenza-like illness (ILI);**
- **exacerbations of chronic lung disease (ECLD),** mainly asthma and chronic obstructive pulmonary disease (COPD);
- **lower respiratory tract infections (LRTI),** including bronchitis and pneumonia;
- **upper respiratory tract infections (URTI),** including tonsillitis and sinusitis.

*More information about our classification of ARI can be found at:*

<https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2024.29.35.2300682>

## About the RCGP Research and Surveillance Centre (RSC)

### What we do

Established in 1957, the Oxford-Royal College of General Practitioners (RCGP) Research and Surveillance Centre (RSC) is an internationally renowned source of information, analysis and interpretation concerning the onset, patterns, prevalence and trends over time of morbidity in primary care. The RSC provides weekly reports about health and disease: the Weekly Returns Service (WRS). The WRS has been produced since 1967, in collaboration with the UK Health Security Agency (UKHSA) and its predecessor bodies. The University of Oxford currently provides the WRS on behalf of RCGP and UKHSA.

The RSC is active in research and surveillance. In addition to the WRS, the RSC contributes data to UKHSA's Syndromic Surveillance system, and supports vaccine effectiveness studies. The role of general practice members of the RSC is set out in an annual commissioning letter.

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

[www.rcgp.org.uk/representing-you/research-at-rcgp/research-surveillance-centre](http://www.rcgp.org.uk/representing-you/research-at-rcgp/research-surveillance-centre)

### Our data extraction process and governance

Data are extracted on behalf of the RSC from practice computerised medical record systems, twice a week by Magentus Data Management, or daily by EMIS-X Analytics (EXA).

Data are pseudonymised as close to source as possible. Data are held on secure servers at the Nuffield Department of Primary Care Health Sciences (NDPCHS) at the University of Oxford. Our systems meet the requirements of the General Data Protection Regulation (GDPR). Further information about the NHS England approval of the RSC's data security can be found at:

<https://www.dsptoolkit.nhs.uk/OrganisationSearch/EE133863-MSD-NDPCHS>

### What the data is used for

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 the UK Health Security Agency.

In addition to the WRS, the data are used for other research studies. Any other uses of the data for research follow ethical approval or agreement from NIHR proportionate review, and where relevant Health Research Authority Confidential Advisory Group advice that further approval is not needed.

### Get in touch

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

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