Communicable and Respiratory Disease Report for England and Wales

Key Statistics:

Week Number/Year…………….. 50/2006
Week Starting – Ending………..11/12/06-17/12/06
No. of Practices…………………..92
No. of Doctors…………………..520
Population………………………...856302

Key Messages:

National (England & Wales)

- **Common cold**: increased from 157.9 in week 49 to 167.1 in week 50.
- **Influenza-like illness**: decreased from 10.1 in week 49 to 8.1 in week 50.
- **Respiratory system diseases**: increased from 430.2 in week 49 to 451.8 in week 50.
- **Upper respiratory tract infections**: increased from 288.3 in week 49 to 306.6 in week 50.

Regional (North, Central and South)

- **Common cold**: increased in the North from 141.6 in week 49 to 159.2 in week 50 and increased in the South from 164.6 in week 49 to 190.2 in week 50.
- **Respiratory system disease**: increased in the South from 415.3 in week 49 to 482.8 in week 50.
- **Upper respiratory tract infections**: increased in the South from 290.6 in week 49 to 343.0 in week 50.

Comments:

Acute bronchitis has increased over the last few weeks in the <1 year age group but this is within expected seasonal levels.
Winter Focus 2006/2007:

During the winter (weeks 40 to 20) a special focus on influenza-like illness and acute bronchitis is provided below. Each weekly incidence rate is presented per 100,000 population. All presentations are for males and females in all age groups unless otherwise stated.

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

All Regions  | Influenza-like illness | Bronchitis |
---|---|---|
0-4  | 2.10  | 373.38  |
5-14 | 3.88  | 54.38   |
15-44| 11.79 | 66.51   |
45-64| 5.96  | 103.15  |
65+  | 6.86  | 219.52  |
All Ages | 8.06  | 114.91 |

Regional

- North | 6.24 |
- Central | 6.54 |
- South | 10.14 |

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

*The incidence rate is plotted against a background of the average influenza incidence during periods when influenza has not been prevalent over the last ten winters. The baseline is presented as a moving average with an upper limit of 2 standard deviations above. Incidence data for the winter of 2006/07 are superimposed. Rates less than 30 are commonplace in winter; between 30 and 100 are usual when influenza viruses are circulating; rates exceeding 100 represent above average influenza activity and above 200 are exceptional.

(B) Influenza-like illness: regional incidence rate against 7 year average
(C) Influenza-like illness: national incidence by age group

(D) Acute Bronchitis: national incidence in the young and elderly populations
Weekly incidence data collected in the WRS (Weekly Returns Service) are presented for each disease set against the background National weekly average over the previous 7 years (1999-2005). Data are available for 3 supra-regional groupings; North, Central and South. All presentations are for males and females in all age groups unless otherwise stated.

1. Water & Food Borne Disorders:

- **Infectious Intestinal Disease (ICD9 001-009)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Viral Hepatitis (ICD9 070)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Non-Infective Enteritis & Colitis (ICD9 555-558)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
2. Environmentally Sensitive Disorders:

- **Asthma (ICD9 493)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Disorders of Conjunctiva (ICD9 372)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Hayfever/Allergic Rhinitis (ICD9 477)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Symptoms involving Respiratory & Chest (ICD9 786)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
3. Respiratory Infections:

- **Acute Bronchitis (ICD9 466 & 490)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Common Cold (ICD9-460 & 465)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Influenza-Like Illness (ICD9 487)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Acute Laryngitis/Tracheitis (ICD9 464)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Pleurisy (ICD9 511)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year Average (1999-2005)

- **Pneumonia/Pneumonitis (ICD9 480-486)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Respiratory System Diseases (ICD9 460-519)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Acute Sinusitis (ICD9 461)**
  - Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
Respiratory Infections (continued):

Strep Sore Throat/Scarletina (ICD9 034 & 475)
Weekly incidence (Per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Acute Tonsillitis/Pharyngitis (ICD9 462-463)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Upper Respiratory Tract Infections (URTI)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Whooping Cough (ICD9 033)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Infectious Mononucleosis (ICD9 075)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Lower Respiratory Tract Infections (LRTI)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

Acute Otitis Media (ICD9 381.0, 382.0 & 382.9)
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
4. Vaccine Sensitive Disorders:

**Measles (ICD9 055)**
Weekly incidence (Per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

**Mumps (ICD9 072)**
Weekly incidence (Per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

**Rubella (ICD9 056)**
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

5. Skin Contagions:

**Bullous Dermatoses (ICD9 694)**
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

**Chickenpox (ICD9 052)**
Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
Skin Contagions (continued):

- **Herpes Simplex (ICD9 054)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Herpes Zoster (ICD9 053 Excl 053.1)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Infections of Skin & Subcutaneous Tissue (ICD9 680-686)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Scabies (ICD9 133.0)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Symptoms involving Skin & Oth Integument Tiss (ICD9 782)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- **Impetigo (ICD9 684)**
  Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
6. Disorders Affecting the Nervous System:

- Disorders of The Peripheral Nervous System (ICD9 350-359) Weekly incidence (per 100,000 all ages) in regions Norths, Central & South 2006 compared with 7 year average (1999-2005)

- Meningitis/Encephalitis Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- Symptoms Involving Nervous & Musculoskeletal (ICD9 781) Weekly incidence (per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

7. Genitourinary System Disorders:

- Urinary Tract Infection/Cystitis (ICD9 595 & 599.0) Weekly incidence (Per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- Sexually Transmitted & Oth Genital Infections (ICD9 090-099) Weekly incidence (MALES per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)

- Sexually Transmitted & Oth Genital Infections (ICD9 090-099) Weekly incidence (FEMALES per 100,000 all ages) in regions North, Central & South 2006 compared with 7 year average (1999-2005)
8. Tabular Summary by Disease:

<table>
<thead>
<tr>
<th>Disease</th>
<th>Week Beginning 11/12/06</th>
<th>Week End 17/12/06</th>
<th>04/12/06</th>
<th>10/12/06</th>
<th>27/11/06</th>
<th>03/12/06</th>
<th>20/11/06</th>
<th>26/11/06</th>
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<tbody>
<tr>
<td>Rate:</td>
<td>Eps:</td>
<td>Rate:</td>
<td>Eps:</td>
<td>Rate:</td>
<td>Eps:</td>
<td>Rate:</td>
<td>Eps:</td>
<td>Rate:</td>
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<td>Allergic Rhinitis (477)</td>
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<td>25</td>
<td>3.4</td>
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<td>Asthma (493)</td>
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<td>119</td>
<td>16.0</td>
<td>143</td>
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<td>Bronchitis (466 &amp; 490)</td>
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<td>984</td>
<td>109.2</td>
<td>977</td>
<td>113.5</td>
<td>1012</td>
<td>100.0</td>
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<td>Common Cold &amp; URTI NOS (460 &amp; 465)</td>
<td>167.1</td>
<td>1431</td>
<td>157.9</td>
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<td>Conjunctiva Disorders (372)</td>
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<td>39.9</td>
<td>357</td>
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<td>6.3</td>
<td>56</td>
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<td>Herpes Zoster (053 Excl 053.1)</td>
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<td>62</td>
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<td>Impetigo (684)</td>
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<td>Lower Respiratory Tract Infection (LRTI)</td>
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<td>Meningitis &amp; Encephalitis</td>
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<td>0</td>
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<td>Mumps (072)</td>
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<tr>
<td>NonInfective Enteritis &amp; Colitis (555–558)</td>
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<td>78</td>
<td>8.3</td>
<td>74</td>
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<td>60</td>
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<td>74</td>
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<td>Otitis Media Acute (381.0,382.0 &amp; 382.9)</td>
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<td>375</td>
<td>40.9</td>
<td>366</td>
<td>41.1</td>
<td>366</td>
<td>35.4</td>
<td>306</td>
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<td>Peripheral Nervous System Dis (350–359)</td>
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<td>6.3</td>
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<td>78</td>
<td>5.9</td>
<td>51</td>
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<td>Pleurisy (511)</td>
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<td>7</td>
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<td>11</td>
<td>0.9</td>
<td>8</td>
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<td>2.5</td>
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<td>0.9</td>
<td>8</td>
<td>1.7</td>
<td>15</td>
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<td>Respiratory System Diseases (460~519)</td>
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<td>430.2</td>
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<td>425.8</td>
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<td>397.0</td>
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<td>Scabies (133.0)</td>
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<td>18</td>
<td>2.0</td>
<td>18</td>
<td>1.0</td>
<td>9</td>
<td>1.7</td>
<td>15</td>
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<tr>
<td>Sinusitis Acute (461)</td>
<td>28.6</td>
<td>245</td>
<td>24.5</td>
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<td>23.8</td>
<td>212</td>
<td>23.7</td>
<td>205</td>
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<tr>
<td>Skin &amp; Subcutaneous Tis Infections (680~686)</td>
<td>57.5</td>
<td>492</td>
<td>59.8</td>
<td>535</td>
<td>58.5</td>
<td>521</td>
<td>59.3</td>
<td>513</td>
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<tr>
<td>Strep Sore Throat &amp; Scarl Periton Absc (034 &amp; 475)</td>
<td>0.6</td>
<td>5</td>
<td>0.6</td>
<td>5</td>
<td>1.2</td>
<td>11</td>
<td>1.5</td>
<td>13</td>
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<td>Symptoms Involving Nervous Musculoskeletal (781)</td>
<td>5.8</td>
<td>50</td>
<td>5.7</td>
<td>51</td>
<td>5.5</td>
<td>49</td>
<td>5.9</td>
<td>51</td>
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<tr>
<td>Symptoms Involving Respiratory &amp; Chest (786)</td>
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<td>375</td>
<td>48.7</td>
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<td>48.7</td>
<td>434</td>
<td>48.0</td>
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<td>Symptoms Involving Skin &amp; Integument Tissue (782)</td>
<td>29.7</td>
<td>254</td>
<td>30.3</td>
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<td>33.4</td>
<td>298</td>
<td>34.9</td>
<td>302</td>
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<tr>
<td>Tonsillitis &amp; Acute Pharyngitis (462~463)</td>
<td>66.7</td>
<td>571</td>
<td>65.0</td>
<td>562</td>
<td>68.4</td>
<td>610</td>
<td>64.4</td>
<td>557</td>
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<tr>
<td>Upper Respiratory Tract Infections (URTI)</td>
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<td>2625</td>
<td>288.3</td>
<td>2680</td>
<td>278.8</td>
<td>2485</td>
<td>255.4</td>
<td>2209</td>
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<td>Urinary Tract Infection Cystitis (595 &amp; 599.0)</td>
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<td>374</td>
<td>42.5</td>
<td>380</td>
<td>42.2</td>
<td>376</td>
<td>40.7</td>
<td>352</td>
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<tr>
<td>Viral Hepatitis (070)</td>
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<tr>
<td>Whooping Cough (033)</td>
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</tr>
</tbody>
</table>

Population at Risk:  
856302  894871  891302  865014

Number of Practices:  
92    95    96    93
Further Information:

The Weekly Returns Service (WRS) was established in 1964 at the Birmingham Research Unit of the Royal College of General Practitioners. The WRS monitors the number of patients consulting with new episodes of illness classified by diagnosis in England and Wales and provides weekly incidence rates per 100,000 population for these new episodes of illness. The WRS has archived all data since 1967 providing an unrivalled opportunity to look at long term trends of disease. The Birmingham Research Unit, run by DM Fleming (Director) is internationally renowned for its expertise on respiratory illnesses, particularly influenza and influenza-like illnesses.

For further information please contact:

Joanne Miles
Unit Manager
Birmingham Research Unit of the Royal College of General Practitioners
Lordswood House
54 Lordswood Road
Harborne
Birmingham B17 9DB

Tel: +44 (0)121 426 1125
Fax: +44 (0)121 428 2084
Email: jmiles@rcgpbhamresunit.nhs.uk

If you wish to be included on our email notification list please send your email address to jmiles@rcgpbhamresunit.nhs.uk

This bulletin can be found at www.rcgp.org.uk/bru together with further information about the Birmingham Research Unit and a selection of publications and morbidity reports.

The bulletin can also be found at www.hpa.org.uk/cdr/pages/primarycarewr.htm.