



Public Health  
England

# NOIDs Weekly Report

## STATUTORY NOTIFICATION OF INFECTIOUS DISEASES

### CAUSATIVE AGENTS

2014/47

WEEK ENDING: 23/11/2014

Laboratories in England have a statutory duty to notify Public Health England of the identification of the following causative agents:

|                             |                               |                          |
|-----------------------------|-------------------------------|--------------------------|
| BACILLUS ANTHRACIS          | GUANARITO VIRUS               | PLASMODIUM FALCIPARUM    |
| BACILLUS CEREUS             | HAEMOPHILUS INFLUENZAE        | PLASMODIUM KNOWLESI      |
| BORDETELLA PERTUSSIS        | (INVASIVE)                    | PLASMODIUM MALARIAE      |
| BORRELIA SPP                | HANTA VIRUS                   | PLASMODIUM OVALE         |
| BRUCELLA SPP                | HEPATITIS A                   | PLASMODIUM VIVAX         |
| BURKHOLDERIA MALLEI         | HEPATITIS B                   | POLIO VIRUS              |
| BURKHOLDERIA PSEUDOMALLEI   | HEPATITIS C                   | RABIES VIRUS             |
| CAMPYLOBACTER SPP           | HEPATITIS D                   | RICKETTSIA SPP           |
| CHIKUNGUNYA VIRUS           | HEPATITIS E                   | RIFT VALLEY FEVER VIRUS  |
| CHLAMYDOPHILA PSITTACI      | INFLUENZA VIRUS               | RUBELLA VIRUS            |
| CLOSTRIDIUM BOTULINUM       | JUNIN VIRUS                   | SABIA VIRUS              |
| CLOSTRIDIUM PERFRINGENS     | KYASANUR FOREST DISEASE       | SALMONELLA SPP           |
| CLOSTRIDIUM TETANI          | LASSA VIRUS                   | SARS CORONAVIRUS         |
| CORYNEBACTERIUM DIPHTHERIAE | LEGIONELLA SPP                | SHIGELLA SPP             |
| CORYNEBACTERIUM ULCERANS    | LEPTOSPIRA INTERROGANS        | STREPTOCOCCUS GROUP A    |
| COXIELLA BURNETII           | LISTERIA MONOCYTOGENES        | (INVASIVE)               |
| CRIMEAN-CONGO HAEMORRHAGIC  | MACHUPO VIRUS                 | STREPTOCOCCUS PNEUMONIAE |
| FEVER VIRUS                 | MARBURG VIRUS                 | (INVASIVE)               |
| CRYPTOSPORIDIUM SPP         | MEASLES VIRUS                 | VARICELLA ZOSTER VIRUS   |
| DENGUE VIRUS                | MUMPS VIRUS                   | VARIOLA VIRUS            |
| EBOLA VIRUS                 | MYCOBACTERIUM TUBERCULOSIS    | VIBRIO CHOLERAE          |
| ENTAMOEBIA HISTOLYTICA      | COMPLEX                       | WEST NILE VIRUS          |
| ESCHERICHIA COLI O 157      | NEISSERIA MENINGITIDIS        | YELLOW FEVER VIRUS       |
| FRANCISELLA TULARENSIS      | OMSK HAEMORRHAGIC FEVER VIRUS | YERSINIA PESTIS          |
| GIARDIA LAMBLIA             |                               |                          |

Table 1: Statutory Notifications of causative agents, grouped by root organism, with totals for the current week compared to the previous five.

| <b>Week notification received:</b> | 201442    | 201443    | 201444    | 201445    | 201446    | <b>201447</b> |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|---------------|
| <b>ARBOVIRUSES</b>                 |           |           |           |           |           |               |
| WEST NILE VIRUS                    | 2         | 2         | 2         | -         | -         | -             |
|                                    | <b>2</b>  | <b>2</b>  | <b>2</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>      |
| <b>BACILLUS</b>                    |           |           |           |           |           |               |
| BACILLUS CEREUS                    | 9         | 9         | 6         | 4         | 7         | <b>10</b>     |
|                                    | <b>9</b>  | <b>9</b>  | <b>6</b>  | <b>4</b>  | <b>7</b>  | <b>10</b>     |
| <b>BORDETELLA</b>                  |           |           |           |           |           |               |
| BORDETELLA PERTUSSIS               | 32        | 35        | 31        | 20        | 25        | <b>17</b>     |
|                                    | <b>32</b> | <b>35</b> | <b>31</b> | <b>20</b> | <b>25</b> | <b>17</b>     |
| <b>BORRELIA</b>                    |           |           |           |           |           |               |
| BORRELIA BURGDORFERI               | 6         | 2         | 5         | 4         | 3         | <b>7</b>      |
| BORRELIA OTHER NAMED               | -         | -         | -         | 1         | -         | -             |
| BORRELIA SP                        | 1         | -         | 6         | -         | -         | <b>1</b>      |
|                                    | <b>7</b>  | <b>2</b>  | <b>11</b> | <b>5</b>  | <b>3</b>  | <b>8</b>      |
| <b>BRUCELLA</b>                    |           |           |           |           |           |               |
| BRUCELLA SP                        | -         | -         | -         | -         | -         | <b>1</b>      |
|                                    | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>1</b>      |
| <b>BUNYAVIRIDAE</b>                |           |           |           |           |           |               |
| HANTAVIRUS                         | -         | 1         | -         | 1         | -         | -             |
|                                    | <b>-</b>  | <b>1</b>  | <b>-</b>  | <b>1</b>  | <b>-</b>  | <b>-</b>      |
| <b>BURKHOLDERIA</b>                |           |           |           |           |           |               |
| BURKHOLDERIA PSEUDOMALLEI          | -         | -         | -         | -         | -         | <b>1</b>      |
|                                    | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>-</b>  | <b>1</b>      |

Week notification received: 201442 201443 201444 201445 201446 **201447**

**CAMPYLOBACTER**

|  |            |            |             |            |            |             |
|--|------------|------------|-------------|------------|------------|-------------|
| CAMPYLOBACTER COLI                                   | 6          | 3          | 5           | 10         | 6          | <b>12</b>   |
| CAMPYLOBACTER JEJUNI                                 | 82         | 55         | 104         | 67         | 56         | <b>78</b>   |
| CAMPYLOBACTER OTHER NAMED                            | -          | -          | 1           | -          | -          | -           |
| CAMPYLOBACTER SP                                     | 906        | 937        | 1101        | 736        | 831        | <b>1011</b> |
| CAMPYLOBACTER UPSALIENSIS                            | -          | -          | -           | 1          | -          | -           |
| CAMPYLOBACTER UREOLYTICUS<br>(BACTEROIDES CORRODENS) | 2          | -          | -           | -          | 1          | -           |
|  | <b>996</b> | <b>995</b> | <b>1211</b> | <b>814</b> | <b>894</b> | <b>1101</b> |

**CHIKUNGUNYA VIRUS**

|                   |   |          |   |          |          |          |
|-------------------|---|----------|---|----------|----------|----------|
| CHIKUNGUNYA VIRUS | - | 1        | - | 2        | 1        | <b>4</b> |
|                   | - | <b>1</b> | - | <b>2</b> | <b>1</b> | <b>4</b> |

**CHLAMYDIA**

|                        |          |   |          |   |          |          |
|------------------------|----------|---|----------|---|----------|----------|
| CHLAMYDOPHILA PSITTACI | 2        | - | 1        | - | 1        | <b>1</b> |
|                        | <b>2</b> | - | <b>1</b> | - | <b>1</b> | <b>1</b> |

**CLOSTRIDIUM**

|                         |          |           |           |           |           |           |
|-------------------------|----------|-----------|-----------|-----------|-----------|-----------|
| CLOSTRIDIUM PERFRINGENS | 8        | 11        | 14        | 13        | 13        | <b>13</b> |
|                         | <b>8</b> | <b>11</b> | <b>14</b> | <b>13</b> | <b>13</b> | <b>13</b> |

**CORYNEBACTERIUM**

|  |   |          |   |          |          |          |
|--|---|----------|---|----------|----------|----------|
| CORYNEBACTERIUM DIPHTHERIAE<br>UNTYPED | - | 1        | - | 2        | 1        | <b>1</b> |
| CORYNEBACTERIUM ULCERANS               | - | -        | - | -        | -        | <b>1</b> |
|  | - | <b>1</b> | - | <b>2</b> | <b>1</b> | <b>2</b> |

**Week notification received:**

201442 201443 201444 201445 201446 **201447**

**COXIELLA**

|                   |   |          |          |          |          |   |
|-------------------|---|----------|----------|----------|----------|---|
| COXIELLA BURNETII | - | 2        | 1        | 2        | 3        | - |
|                   | - | <b>2</b> | <b>1</b> | <b>2</b> | <b>3</b> | - |

**CRYPTOSPORIDIUM**

|                         |            |           |           |           |           |           |
|-------------------------|------------|-----------|-----------|-----------|-----------|-----------|
| CRYPTOSPORIDIUM HOMINIS | 1          | 1         | 6         | 1         | -         | -         |
| CRYPTOSPORIDIUM PARVUM  | -          | 1         | -         | 1         | 2         | -         |
| CRYPTOSPORIDIUM SP      | 100        | 91        | 84        | 82        | 73        | <b>69</b> |
|                         | <b>101</b> | <b>93</b> | <b>90</b> | <b>84</b> | <b>75</b> | <b>69</b> |

**ENTAMOEBEA**

|                        |   |          |          |          |          |          |
|------------------------|---|----------|----------|----------|----------|----------|
| ENTAMOEBEA HISTOLYTICA | - | 1        | 2        | 1        | 1        | <b>1</b> |
|                        | - | <b>1</b> | <b>2</b> | <b>1</b> | <b>1</b> | <b>1</b> |

**ESCHERICHIA**

|                        |           |           |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| ESCHERICHIA COLI O 157 | 64        | 76        | 48        | 35        | 24        | <b>17</b> |
|                        | <b>64</b> | <b>76</b> | <b>48</b> | <b>35</b> | <b>24</b> | <b>17</b> |

**FLAVIVIRUSES**

|              |          |          |          |          |   |          |
|--------------|----------|----------|----------|----------|---|----------|
| DENGUE VIRUS | 1        | 4        | 4        | 2        | - | <b>2</b> |
| YELLOW FEVER | -        | -        | 1        | -        | - | <b>1</b> |
|              | <b>1</b> | <b>4</b> | <b>5</b> | <b>2</b> | - | <b>3</b> |

**GIARDIA**

|                 |           |           |            |           |           |           |
|-----------------|-----------|-----------|------------|-----------|-----------|-----------|
| GIARDIA LAMBLIA | 74        | 97        | 106        | 72        | 85        | <b>87</b> |
|                 | <b>74</b> | <b>97</b> | <b>106</b> | <b>72</b> | <b>85</b> | <b>87</b> |

**HAEMOPHILUS**

|                        |           |           |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| HAEMOPHILUS INFLUENZAE | 47        | 53        | 43        | 42        | 46        | <b>47</b> |
|                        | <b>47</b> | <b>53</b> | <b>43</b> | <b>42</b> | <b>46</b> | <b>47</b> |

Week notification received: 201442 201443 201444 201445 201446 **201447**

**HEPATITIS VIRUSES**

|             |            |            |            |            |            |            |
|-------------|------------|------------|------------|------------|------------|------------|
| HEPATITIS A | 7          | 27         | 15         | 8          | 4          | <b>8</b>   |
| HEPATITIS B | 176        | 245        | 306        | 247        | 253        | <b>227</b> |
| HEPATITIS C | 231        | 243        | 240        | 225        | 257        | <b>247</b> |
| HEPATITIS D | 1          | 2          | 2          | 1          | 2          | -          |
| HEPATITIS E | 18         | 7          | 11         | 10         | 7          | <b>10</b>  |
|             | <b>433</b> | <b>524</b> | <b>574</b> | <b>491</b> | <b>523</b> | <b>492</b> |

**HERPES VIRUSES**

|                  |           |           |           |           |           |           |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| VARICELLA ZOSTER | 26        | 30        | 42        | 23        | 36        | <b>20</b> |
|                  | <b>26</b> | <b>30</b> | <b>42</b> | <b>23</b> | <b>36</b> | <b>20</b> |

**INFLUENZA VIRUS**

|                     |           |           |           |           |           |           |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| INFLUENZA A         | 6         | 15        | 17        | 9         | 16        | <b>10</b> |
| INFLUENZA B         | 5         | 4         | 3         | 4         | 6         | <b>3</b>  |
| INFLUENZA UNGROUPED | -         | -         | 1         | 4         | 3         | <b>1</b>  |
|                     | <b>11</b> | <b>19</b> | <b>21</b> | <b>17</b> | <b>25</b> | <b>14</b> |

**LEGIONELLA**

|                        |           |           |           |          |          |   |
|------------------------|-----------|-----------|-----------|----------|----------|---|
| LEGIONELLA OTHER NAMED | 1         | -         | -         | -        | -        | - |
| LEGIONELLA PNEUMOPHILA | 8         | 21        | 12        | 2        | 2        | - |
| LEGIONELLA SP          | 1         | 1         | 2         | -        | -        | - |
|                        | <b>10</b> | <b>22</b> | <b>14</b> | <b>2</b> | <b>2</b> | - |

**LEPTOSPIRA**

|                        |   |   |   |   |   |          |
|------------------------|---|---|---|---|---|----------|
| LEPTOSPIRA INTERROGANS | - | - | - | - | - | <b>1</b> |
|                        | - | - | - | - | - | <b>1</b> |

**Week notification received:**201442 201443 201444 201445 201446 **201447****LISTERIA**

|                        |          |          |          |          |          |          |
|------------------------|----------|----------|----------|----------|----------|----------|
| LISTERIA MONOCYTOGENES | 1        | 6        | 1        | 2        | 5        | 7        |
|                        | <b>1</b> | <b>6</b> | <b>1</b> | <b>2</b> | <b>5</b> | <b>7</b> |

**MYCOBACTERIUM**

|                                      |           |           |           |           |           |           |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| MYCOBACTERIUM AFRICANUM              | -         | -         | 1         | 1         | -         | -         |
| MYCOBACTERIUM BOVIS (BCG STRAIN)     | -         | 1         | -         | -         | -         | 1         |
| MYCOBACTERIUM BOVIS (NON-BCG STRAIN) | -         | -         | 1         | -         | -         | -         |
| MYCOBACTERIUM TUBERCULOSIS           | 55        | 40        | 64        | 46        | 41        | 43        |
|                                      | <b>55</b> | <b>41</b> | <b>66</b> | <b>47</b> | <b>41</b> | <b>44</b> |

**NEISSERIA**

|                        |           |           |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| NEISSERIA MENINGITIDIS | 15        | 12        | 35        | 14        | 14        | 29        |
|                        | <b>15</b> | <b>12</b> | <b>35</b> | <b>14</b> | <b>14</b> | <b>29</b> |

**PARAMYXOVIRUSES**

|             |          |          |          |          |          |          |
|-------------|----------|----------|----------|----------|----------|----------|
| MUMPS VIRUS | 1        | 4        | 5        | 1        | 3        | 5        |
|             | <b>1</b> | <b>4</b> | <b>5</b> | <b>1</b> | <b>3</b> | <b>5</b> |

**PLASMODIUM**

|                       |          |          |          |           |          |           |
|-----------------------|----------|----------|----------|-----------|----------|-----------|
| PLASMODIUM FALCIPARUM | 4        | -        | 1        | 10        | 5        | 6         |
| PLASMODIUM MALARIAE   | -        | -        | -        | 1         | 1        | -         |
| PLASMODIUM OVALE      | -        | -        | -        | -         | -        | 2         |
| PLASMODIUM VIVAX      | -        | -        | -        | 4         | -        | 2         |
|                       | <b>4</b> | <b>-</b> | <b>1</b> | <b>15</b> | <b>6</b> | <b>10</b> |

**Week notification received:**201442 201443 201444 201445 201446 **201447****RICKETTSIA**

|                          |          |          |          |          |          |          |
|--------------------------|----------|----------|----------|----------|----------|----------|
| RICKETTSIA SP            | -        | 1        | -        | -        | -        | -        |
| RICKETTSIA SPOTTED FEVER | 1        | 1        | 2        | 1        | -        | 1        |
|                          | <b>1</b> | <b>2</b> | <b>2</b> | <b>1</b> | <b>-</b> | <b>1</b> |

**SALMONELLA**

|                        |            |            |            |            |            |            |
|------------------------|------------|------------|------------|------------|------------|------------|
| OTHER SALMONELLA       | 57         | 50         | 56         | 61         | 52         | <b>26</b>  |
| SALMONELLA ARIZONAE    | 1          | 1          | 1          | 2          | 5          | <b>1</b>   |
| SALMONELLA BRAENDERUP  | 7          | 1          | 2          | 1          | 3          | <b>4</b>   |
| SALMONELLA ENTERITIDIS | 64         | 48         | 51         | 50         | 51         | <b>41</b>  |
| SALMONELLA GAMINARA    | 1          | 6          | 4          | -          | -          | -          |
| SALMONELLA INFANTIS    | 4          | 5          | 4          | 3          | 4          | -          |
| SALMONELLA JAVA        | -          | 3          | 4          | 7          | 2          | -          |
| SALMONELLA KENTUCKY    | 3          | 2          | 6          | 7          | 5          | <b>4</b>   |
| SALMONELLA NEWPORT     | 9          | 5          | 4          | 2          | 7          | <b>5</b>   |
| SALMONELLA PARATYPHI A | 2          | 10         | -          | 4          | 1          | -          |
| SALMONELLA SAINT-PAUL  | 5          | -          | 3          | 3          | -          | -          |
| SALMONELLA STANLEY     | 5          | 4          | 1          | 1          | 3          | <b>7</b>   |
| SALMONELLA TYPHI       | 3          | 4          | 3          | 5          | -          | <b>4</b>   |
| SALMONELLA TYPHIMURIUM | 29         | 47         | 31         | 32         | 33         | <b>34</b>  |
| SALMONELLA UNNAMED     | 6          | 17         | 21         | 8          | 22         | <b>9</b>   |
| SALMONELLA VIRCHOW     | 8          | 4          | 4          | 6          | 5          | <b>3</b>   |
|                        | <b>204</b> | <b>207</b> | <b>195</b> | <b>192</b> | <b>193</b> | <b>138</b> |

**Week notification received:**201442 201443 201444 201445 201446 **201447****SHIGELLA**

|                      |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| SHIGELLA BOYDII      | 4         | -         | 2         | 2         | 2         | <b>1</b>  |
| SHIGELLA DYSENTERIAE | -         | -         | 2         | 2         | -         | <b>2</b>  |
| SHIGELLA FLEXNERI    | 27        | 9         | 25        | 16        | 19        | <b>5</b>  |
| SHIGELLA SONNEI      | 22        | 24        | 18        | 34        | 21        | <b>29</b> |
| SHIGELLA SP          | 2         | 8         | 7         | 2         | 3         | <b>4</b>  |
|                      | <b>55</b> | <b>41</b> | <b>54</b> | <b>56</b> | <b>45</b> | <b>41</b> |

**STREPTOCOCCUS**

|   |           |           |           |           |           |            |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| STREPTOCOCCUS GROUP A<br>(STREPTOCOCCUS PYOGENES) | 15        | 17        | 20        | 15        | 20        | <b>23</b>  |
| STREPTOCOCCUS PNEUMONIAE                          | 66        | 71        | 59        | 55        | 74        | <b>77</b>  |
|   | <b>81</b> | <b>88</b> | <b>79</b> | <b>70</b> | <b>94</b> | <b>100</b> |

**VIBRIO**

|                 |          |   |          |          |   |   |
|-----------------|----------|---|----------|----------|---|---|
| VIBRIO CHOLERAЕ | 1        | - | 1        | 1        | - | - |
|                 | <b>1</b> | - | <b>1</b> | <b>1</b> | - | - |