



**Public Health  
England**

## **NOIDs Weekly Report**

### **STATUTORY NOTIFICATION OF INFECTIOUS DISEASES**

#### **CAUSATIVE AGENTS**

**2021/28**

**WEEK ENDING: 18/07/2021**

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

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

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

| Week notification received                        | 202123 | 202124 | 202125 | 202126 | 202127 | 202128 |
|---|--------|--------|--------|--------|--------|--------|
| <b>BACILLUS</b>                                   |        |        |        |        |        |        |
| BACILLUS CEREUS                                   | 27     | 29     | 19     | 18     | 13     | 27     |
| <b>BORDETELLA</b>                                 |        |        |        |        |        |        |
| BORDETELLA PERTUSSIS                              | -      | 1      | 1      | -      | -      | -      |
| <b>BORRELIA</b>                                   |        |        |        |        |        |        |
| BORRELIA BURGDORFERI                              | 11     | 22     | 18     | 30     | 22     | 25     |
| BORRELIA SP                                       | -      | -      | -      | -      | 1      | 1      |
| <b>BRUCELLA</b>                                   |        |        |        |        |        |        |
| BRUCELLA MELITENSIS                               | -      | -      | -      | 1      | -      | -      |
| BRUCELLA SP                                       | -      | 1      | -      | -      | -      | 1      |
| <b>CAMPYLOBACTER</b>                              |        |        |        |        |        |        |
| CAMPYLOBACTER COLI                                | 40     | 32     | 35     | 38     | 37     | 43     |
| CAMPYLOBACTER GRACILIS                            | -      | -      | 1      | -      | -      | 1      |
| CAMPYLOBACTER JEJUNI                              | 605    | 581    | 503    | 419    | 393    | 378    |
| CAMPYLOBACTER LARI                                | 3      | 3      | 1      | 1      | -      | -      |
| CAMPYLOBACTER OTHER NAMED                         | -      | -      | 1      | 1      | -      | -      |
| CAMPYLOBACTER RECTUS                              | -      | -      | 1      | -      | -      | -      |
| CAMPYLOBACTER SP                                  | 1331   | 1371   | 1361   | 1209   | 1200   | 1119   |
| CAMPYLOBACTER UPSALIENSIS                         | 1      | -      | -      | 1      | 2      | 1      |
| CAMPYLOBACTER UREOLYTICUS (BACTEROIDES CORRODENS) | 1      | 2      | -      | -      | -      | -      |
| <b>CHIKUNGUNYA VIRUS</b>                          |        |        |        |        |        |        |
| CHIKUNGUNYA VIRUS                                 | 1      | -      | 1      | -      | -      | -      |
| <b>CLOSTRIDIUM</b>                                |        |        |        |        |        |        |
| CLOSTRIDIUM PERFRINGENS                           | 123    | 118    | 83     | 92     | 101    | 104    |
| CLOSTRIDIUM TETANI                                | -      | -      | -      | -      | -      | 1      |
| <b>CORONAVIRUS</b>                                |        |        |        |        |        |        |
| CORONAVIRUS                                       | 72     | 56     | 43     | 43     | 46     | 37     |
| HUMAN CORONAVIRUS 229E                            | -      | -      | -      | -      | 1      | 1      |
| SARS CORONAVIRUS                                  | 1      | 8      | -      | -      | -      | -      |
| SARS-COV-2 ANTIBODY INDETERMINATE                 | 233    | 172    | 118    | 64     | 86     | 84     |

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>               | <b>202123</b> | <b>202124</b> | <b>202125</b> | <b>202126</b> | <b>202127</b> | <b>202128</b> |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| SARS-COV-2 ANTIBODY VOID                        | 2996          | 11            | 15            | 8             | 421           | 34            |
| SARS-CoV-2 CORONAVIRUS (Covid-19)               | 43120         | 56707         | 91854         | 145372        | 197843        | 290162        |
| SARS-CoV-2 CORONAVIRUS (Covid-19) INDETERMINATE | 1009          | 1069          | 1169          | 1384          | 1597          | 1960          |
| SARS-COV-2 IGG ANTIBODY NEGATIVE                | 2855          | 2734          | 2319          | 1884          | 2096          | 1823          |
| SARS-COV-2 IGG ANTIBODY POSITIVE                | 4191          | 3328          | 3344          | 2535          | 2549          | 2478          |
| SARS-COV-2 IGM ANTIBODY NEGATIVE                | 52            | 66            | 117           | 103           | 94            | 89            |
| SARS-COV-2 IGM ANTIBODY POSITIVE                | 5             | 8             | 13            | 17            | 19            | 11            |
| SARS-COV-2 TOTAL ANTIBODY NEGATIVE              | 26720         | 58166         | 3041          | 4875          | 9807          | 4005          |
| SARS-COV-2 TOTAL ANTIBODY POSITIVE              | 8816          | 40270         | 2708          | 3827          | 6988          | 2647          |
| <b>CORYNEBACTERIUM</b>                          |               |               |               |               |               |               |
| CORYNEBACTERIUM DIPHTHERIAE                     | -             | -             | 1             | -             | 1             | -             |
| CORYNEBACTERIUM ULCERANS                        | -             | -             | 2             | -             | -             | -             |
| <b>CRYPTOSPORIDIUM</b>                          |               |               |               |               |               |               |
| CRYPTOSPORIDIUM HOMINIS                         | -             | -             | 1             | -             | -             | -             |
| CRYPTOSPORIDIUM PARVUM                          | 30            | 29            | 25            | 14            | 13            | -             |
| CRYPTOSPORIDIUM SP                              | 16            | 19            | 28            | 31            | 19            | 41            |
| <b>ENTAMOEBEA</b>                               |               |               |               |               |               |               |
| ENTAMOEBEA HISTOLYTICA                          | 1             | -             | 1             | 7             | 1             | 2             |
| <b>ESCHERICHIA</b>                              |               |               |               |               |               |               |
| ESCHERICHIA COLI O 157                          | 6             | 9             | 11            | 10            | 12            | 5             |
| <b>FLAVIVIRUSES</b>                             |               |               |               |               |               |               |
| DENGUE VIRUS                                    | 1             | 1             | -             | -             | 1             | -             |
| <b>HAEMOPHILUS</b>                              |               |               |               |               |               |               |
| HAEMOPHILUS INFLUENZAE                          | 40            | 35            | 25            | 33            | 31            | 30            |

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> | <b>202123</b> | <b>202124</b> | <b>202125</b> | <b>202126</b> | <b>202127</b> | <b>202128</b> |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>HEPATITIS VIRUSES</b>          |               |               |               |               |               |               |
| HEPATITIS A                       | 7             | 10            | 3             | 14            | 6             | 9             |
| HEPATITIS B                       | 132           | 173           | 134           | 138           | 143           | 141           |
| HEPATITIS C                       | 288           | 325           | 375           | 274           | 311           | 320           |
| HEPATITIS D                       | 2             | 2             | -             | 2             | -             | 1             |
| HEPATITIS E                       | 27            | 20            | 14            | 24            | 26            | 14            |
| <b>INFLUENZA VIRUS</b>            |               |               |               |               |               |               |
| INFLUENZA A                       | 5             | 10            | 11            | 7             | 9             | 17            |
| INFLUENZA B                       | 4             | 8             | 7             | 7             | 9             | 13            |
| <b>LEGIONELLA</b>                 |               |               |               |               |               |               |
| LEGIONELLA LONGBEACHAE            | -             | -             | -             | 1             | 1             | -             |
| LEGIONELLA PNEUMOPHILA            | 2             | 2             | -             | 8             | 5             | 2             |
| LEGIONELLA SP                     | -             | -             | -             | 2             | 5             | 3             |
| <b>LISTERIA</b>                   |               |               |               |               |               |               |
| LISTERIA MONOCYTOGENES            | 3             | 2             | 1             | 3             | 4             | 26            |
| <b>MYCOBACTERIUM</b>              |               |               |               |               |               |               |
| MYCOBACTERIUM TUBERCULOSIS        | 83            | 73            | 72            | 57            | 66            | 45            |
| <b>NEISSERIA</b>                  |               |               |               |               |               |               |
| NEISSERIA MENINGITIDIS            | 5             | -             | 4             | 6             | 4             | 4             |
| <b>PARAMYXOVIRUSES</b>            |               |               |               |               |               |               |
| MEASLES VIRUS                     | 1             | -             | -             | 1             | 1             | -             |
| MUMPS VIRUS                       | -             | 1             | -             | -             | 1             | -             |
| <b>PLASMODIUM</b>                 |               |               |               |               |               |               |
| PLASMODIUM FALCIPARUM             | 2             | 46            | 1             | 6             | 1             | 4             |
| PLASMODIUM MALARIAE               | -             | 1             | -             | -             | -             | -             |
| PLASMODIUM OVALE                  | -             | 5             | -             | -             | -             | -             |
| PLASMODIUM VIVAX                  | -             | 3             | -             | -             | -             | 1             |
| <b>POLYOMAVIRUS</b>               |               |               |               |               |               |               |
| POLYOMAVIRUS BK                   | 43            | 21            | 28            | 32            | 25            | 32            |
| POLYOMAVIRUS JC                   | 1             | 3             | 1             | 2             | 3             | 3             |

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|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>RUBELLA VIRUS</b>              |               |               |               |               |               |               |
| RUBELLA VIRUS                     | 1             | -             | 1             | 3             | 2             | -             |
| <b>SALMONELLA</b>                 |               |               |               |               |               |               |
| OTHER SALMONELLAS                 | 32            | 32            | 43            | 19            | 19            | 11            |
| SALMONELLA ENTERICA               | -             | 6             | -             | -             | 5             | -             |
| SALMONELLA ENTERITIDIS            | 9             | 13            | 12            | 6             | 10            | -             |
| SALMONELLA INFANTIS               | 9             | 10            | 13            | 10            | 10            | -             |
| SALMONELLA NEWPORT                | -             | -             | 5             | -             | -             | -             |
| SALMONELLA SP                     | 7             | 7             | 12            | 44            | 81            | 89            |
| SALMONELLA TYPHIMURIUM            | 16            | 24            | 14            | 13            | 16            | 9             |
| <b>SHIGELLA</b>                   |               |               |               |               |               |               |
| SHIGELLA DYSENTERIAE              | 1             | -             | -             | -             | -             | -             |
| SHIGELLA FLEXNERI                 | 9             | 7             | 7             | 5             | 5             | 2             |
| SHIGELLA SONNEI                   | -             | 1             | 2             | -             | -             | 1             |
| SHIGELLA SP                       | 11            | 12            | 6             | 11            | 12            | 10            |
| <b>STREPTOCOCCUS</b>              |               |               |               |               |               |               |
| STREPTOCOCCUS GROUP A             | 19            | 24            | 16            | 15            | 21            | 15            |
| STREPTOCOCCUS PNEUMONIAE          | 67            | 61            | 49            | 65            | 57            | 59            |

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

Carbapenemase-producing Enterobacterales (CPE)\*

*Please note: The numbers presented here do not include specimens that have been referred to the AMRHAI Reference Unit*

| Week notification received   |       | 202123 | 202124 | 202125 | 202126 | 202127 | 202128 |
|------------------------------|-------|--------|--------|--------|--------|--------|--------|
| <b>CITROBACTER</b>           |       |        |        |        |        |        |        |
| CITROBACTER SPP              | IMP   | -      | -      | -      | 2      | 1      | -      |
|                              | KPC   | 3      | 2      | -      | 2      | 2      | 1      |
|                              | NDM   | 1      | 1      | -      | 1      | -      | 1      |
|                              | OXA48 | 1      | -      | -      | 1      | 1      | -      |
| <b>ENTEROBACTER</b>          |       |        |        |        |        |        |        |
| ENTEROBACTER CLOACAE COMPLEX | IMP   | -      | -      | 1      | -      | -      | -      |
|                              | KPC   | 2      | 2      | -      | 2      | 3      | 1      |
|                              | NDM   | 2      | -      | 1      | 2      | 1      | -      |
|                              | OXA48 | 5      | 1      | 1      | -      | 1      | -      |
| OTHER ENTEROBACTER SPP       | IMP   | -      | -      | 1      | -      | -      | -      |
|                              | KPC   | -      | 1      | -      | -      | -      | -      |
| <b>ESCHERICHIA</b>           |       |        |        |        |        |        |        |
| ESCHERICHIA COLI             | KPC   | -      | 10     | 4      | 4      | 3      | 2      |
|                              | NDM   | 2      | 2      | 1      | 2      | 1      | 1      |
|                              | OXA48 | 7      | 2      | 2      | 4      | 2      | -      |
| <b>KLEBSIELLA</b>            |       |        |        |        |        |        |        |
| KLEBSIELLA AEROGENES         | IMP   | -      | -      | -      | -      | 1      | -      |
|                              | OXA48 | -      | -      | -      | 1      | -      | -      |
| KLEBSIELLA OXYTOCA           | KPC   | 1      | -      | -      | 1      | 1      | -      |
|                              | OXA48 | -      | -      | 1      | 1      | -      | -      |
|                              | VIM   | -      | -      | -      | 1      | -      | -      |
| KLEBSIELLA PNEUMONIAE        | KPC   | 2      | 3      | 3      | 3      | 1      | 1      |
|                              | NDM   | 5      | 1      | 1      | 2      | 1      | -      |
|                              | OXA48 | 7      | 4      | 5      | 1      | 3      | -      |
| KLEBSIELLA SEROGENES         | KPC   | -      | -      | -      | -      | 1      | -      |
| KLEBSIELLA VARIICOLA         | OXA48 | 1      | -      | -      | -      | 1      | -      |
| OTHER KLEBSIELLA SPP         | IMP   | -      | -      | -      | 1      | -      | -      |

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

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|---------------------------------------|-----|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>RAOULTELLA</b>                     |     |               |               |               |               |               |               |
| RAOULTELLA<br>ORNITHINOLYTICA         | KPC | -             | -             | 1             | -             | 1             | -             |
| <b>SERRATIA</b>                       |     |               |               |               |               |               |               |
| SERRATIA<br>MARCESCENS/UREILYTIC<br>A | NDM | -             | -             | -             | -             | 1             | -             |

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

Other carbapenemase-producing Gram-negative organisms\*

*Please note: The numbers presented here do not include specimens that have been referred to the AMRHAI Reference Unit*

| Week notification received |       | 202123 | 202124 | 202125 | 202126 | 202127 | 202128 |
|----------------------------|-------|--------|--------|--------|--------|--------|--------|
| <b>PSEUDOMONAS</b>         |       |        |        |        |        |        |        |
| PSEUDOMONAS AERUGINOSA     | IMP   | 1      | -      | -      | -      | -      | -      |
|                            | NDM   | -      | 1      | 2      | -      | -      | -      |
|                            | VIM   | -      | -      | -      | 1      | -      | -      |
|                            | OTHER | 4      | -      | 1      | 1      | 1      | -      |
| PSEUDOMONAS PUTIDA GROUP   | VIM   | -      | -      | -      | 1      | -      | -      |
| OTHER PSEUDOMONAS SPP      | OTHER | -      | -      | -      | -      | 1      | -      |
| <b>OTHER</b>               |       |        |        |        |        |        |        |
|                            | OXA48 | -      | -      | -      | -      | 1      | -      |

*\*for all Carbapenemase-producing Gram-negative organisms, the reports are de-duplicated by first mention of organism species and resistance mechanism by person in a rolling 52-week period*