



Public Health  
England

## NOIDs Weekly Report

### STATUTORY NOTIFICATION OF INFECTIOUS DISEASES

#### CAUSATIVE AGENTS

2021/33

WEEK ENDING: 22/08/2021

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                   | VARIOLA VIRUS                          |
| DIPHTHERIAE   | LEPTOSPIRA                       | VIBRIO CHOLERAЕ                        |
| CORYNEBACTERIUM   | INTERROGANS                      | WEST NILE VIRUS                        |
| ULCERANS  | LISTERIA                         | YELLOW FEVER VIRUS                     |
| COXIELLA BURNETII                                       | MONOCYTOGENES                    | YERSINIA PESTIS                        |
| CRIMEAN-CONGO   | MACHUPO VIRUS                    |  |
| 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.

| <b>Week notification received</b>                 | <b>202128</b> | <b>202129</b> | <b>202130</b> | <b>202131</b> | <b>202132</b> | <b>202133</b> |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>BACILLUS</b>                                   |               |               |               |               |               |               |
| BACILLUS CEREUS                                   | 28            | 28            | 38            | 23            | 20            | 23            |
| <b>BORRELIA</b>                                   |               |               |               |               |               |               |
| BORRELIA BURGENDORFERI                            | 25            | 34            | 41            | 26            | 32            | 24            |
| BORRELIA SP                                       | 1             | -             | -             | 1             | 1             | -             |
| <b>BRUCELLA</b>                                   |               |               |               |               |               |               |
| BRUCELLA MELITENSIS                               | -             | -             | 1             | -             | -             | -             |
| BRUCELLA SP                                       | 1             | -             | -             | -             | -             | -             |
| <b>CAMPYLOBACTER</b>                              |               |               |               |               |               |               |
| CAMPYLOBACTER COLI                                | 51            | 29            | 34            | 37            | 26            | 31            |
| CAMPYLOBACTER FETUS                               | 1             | -             | -             | -             | 1             | -             |
| CAMPYLOBACTER GRACILIS                            | 1             | -             | -             | -             | -             | -             |
| CAMPYLOBACTER JEJUNI                              | 461           | 304           | 307           | 364           | 302           | 225           |
| CAMPYLOBACTER LARI                                | 2             | 1             | -             | 1             | -             | -             |
| CAMPYLOBACTER SP                                  | 1076          | 989           | 1098          | 994           | 979           | 942           |
| CAMPYLOBACTER UPSALIENSIS                         | 1             | 1             | 1             | -             | 1             | -             |
| CAMPYLOBACTER UREOLYTICUS (BACTEROIDES CORRODENS) | 1             | 1             | -             | -             | -             | -             |
| <b>CHIKUNGUNYA VIRUS</b>                          |               |               |               |               |               |               |
| CHIKUNGUNYA VIRUS                                 | -             | -             | 1             | -             | -             | -             |
| <b>CLOSTRIDIUM</b>                                |               |               |               |               |               |               |
| CLOSTRIDIUM PERFRINGENS                           | 111           | 59            | 37            | 28            | 33            | 23            |
| CLOSTRIDIUM TETANI                                | 1             | -             | -             | -             | -             | -             |
| <b>CORONAVIRUS</b>                                |               |               |               |               |               |               |
| CORONAVIRUS                                       | 37            | 46            | 44            | 28            | 31            | 31            |
| HUMAN CORONAVIRUS 229E                            | 1             | -             | -             | -             | -             | -             |
| SARS CORONAVIRUS                                  | -             | 1             | 2             | -             | 1             | -             |
| SARS-COV-2 ANTIBODY INDETERMINATE                 | 86            | 78            | 60            | 294           | 101           | 67            |
| SARS-COV-2 ANTIBODY VOID                          | 35            | 100           | 16            | 98            | 2357          | 73            |
| SARS-CoV-2 CORONAVIRUS (Covid-19)                 | 288954        | 224612        | 160727        | 170068        | 174558        | 186443        |

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>202128</b> | <b>202129</b> | <b>202130</b> | <b>202131</b> | <b>202132</b> | <b>202133</b> |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| SARS-CoV-2 CORONAVIRUS (Covid-19) INDETERMINATE | 1991          | 2103          | 2285          | 2178          | 2526          | 3060          |
| SARS-COV-2 IGG ANTIBODY NEGATIVE                | 2225          | 2618          | 2018          | 1876          | 4562          | 1881          |
| SARS-COV-2 IGG ANTIBODY POSITIVE                | 3665          | 3813          | 3958          | 3144          | 9406          | 3219          |
| SARS-COV-2 IGM ANTIBODY NEGATIVE                | 89            | 137           | 571           | 218           | 243           | 59            |
| SARS-COV-2 IGM ANTIBODY POSITIVE                | 11            | 23            | 135           | 116           | 49            | 12            |
| SARS-COV-2 TOTAL ANTIBODY NEGATIVE              | 4017          | 3647          | 3819          | 18612         | 58277         | 3514          |
| SARS-COV-2 TOTAL ANTIBODY POSITIVE              | 2652          | 2363          | 3358          | 9218          | 19293         | 4019          |
| <b>CORYNEBACTERIUM</b>                          |               |               |               |               |               |               |
| CORYNEBACTERIUM DIPHTHERIAE                     | 1             | -             | -             | -             | -             | 1             |
| CORYNEBACTERIUM ULCERANS                        | -             | -             | -             | -             | 1             | -             |
| <b>CRYPTOSPORIDIUM</b>                          |               |               |               |               |               |               |
| CRYPTOSPORIDIUM FELIS                           | -             | -             | -             | 1             | 1             | -             |
| CRYPTOSPORIDIUM HOMINIS                         | -             | -             | -             | -             | 1             | 1             |
| CRYPTOSPORIDIUM PARVUM                          | 19            | 20            | 17            | 30            | 22            | 7             |
| CRYPTOSPORIDIUM SP                              | 26            | 24            | 28            | 27            | 28            | 43            |
| CRYPTOSPORIDIUM UBIQUITUM                       | -             | -             | -             | -             | 1             | 1             |
| <b>ENTAMOEBA</b>                                |               |               |               |               |               |               |
| ENTAMOEBA HISTOLYTICA                           | 2             | -             | -             | 8             | 6             | 1             |
| <b>ESCHERICHIA</b>                              |               |               |               |               |               |               |
| ESCHERICHIA COLI O 157                          | 8             | 14            | 17            | 13            | 20            | 16            |
| <b>HAEMOPHILUS</b>                              |               |               |               |               |               |               |
| HAEMOPHILUS INFLUENZAE                          | 34            | 41            | 44            | 25            | 38            | 33            |
| <b>HEPATITIS VIRUSES</b>                        |               |               |               |               |               |               |
| HEPATITIS A                                     | 9             | 6             | 4             | 6             | 6             | 10            |
| HEPATITIS B                                     | 170           | 156           | 144           | 116           | 133           | 125           |
| HEPATITIS C                                     | 398           | 356           | 410           | 305           | 465           | 297           |
| HEPATITIS D                                     | 1             | 2             | 5             | 1             | 3             | -             |
| HEPATITIS E                                     | 16            | 24            | 21            | 25            | 17            | 18            |

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

| Week notification received | 202128 | 202129 | 202130 | 202131 | 202132 | 202133 |
|----------------------------|--------|--------|--------|--------|--------|--------|
| <b>INFLUENZA VIRUS</b>     |        |        |        |        |        |        |
| INFLUENZA A                | 15     | 16     | 15     | 18     | 21     | 19     |
| INFLUENZA B                | 13     | 20     | 13     | 17     | 19     | 21     |
| <b>LEGIONELLA</b>          |        |        |        |        |        |        |
| LEGIONELLA LONGBEACHAE     | -      | -      | -      | 1      | -      | 1      |
| LEGIONELLA OTHER NAMED     | -      | -      | -      | -      | 1      | -      |
| LEGIONELLA PNEUMOPHILA     | 2      | 3      | 6      | 3      | 6      | 6      |
| LEGIONELLA SP              | 3      | 5      | 6      | 1      | 3      | -      |
| <b>LISTERIA</b>            |        |        |        |        |        |        |
| LISTERIA MONOCYTOGENES     | 27     | 15     | 1      | 4      | 4      | 6      |
| <b>MYCOBACTERIUM</b>       |        |        |        |        |        |        |
| MYCOBACTERIUM TUBERCULOSIS | 71     | 49     | 84     | 70     | 61     | 41     |
| <b>NEISSERIA</b>           |        |        |        |        |        |        |
| NEISSERIA MENINGITIDIS     | 4      | 4      | 9      | 13     | 11     | 7      |
| <b>PARAMYXOVIRUSES</b>     |        |        |        |        |        |        |
| MEASLES VIRUS              | -      | 1      | 5      | -      | -      | -      |
| MUMPS VIRUS                | -      | 2      | 6      | 1      | -      | 1      |
| <b>PLASMODIUM</b>          |        |        |        |        |        |        |
| PLASMODIUM FALCIPARUM      | 4      | -      | -      | 10     | 2      | 5      |
| PLASMODIUM MALARIAE        | -      | -      | -      | -      | 1      | -      |
| PLASMODIUM OVALE           | -      | -      | -      | -      | 1      | 3      |
| PLASMODIUM VIVAX           | 1      | -      | -      | -      | -      | 3      |
| <b>POLYOMAVIRUS</b>        |        |        |        |        |        |        |
| POLYOMAVIRUS BK            | 33     | 35     | 34     | 30     | 28     | 35     |
| POLYOMAVIRUS JC            | 3      | 2      | 3      | 3      | 3      | 1      |
| <b>RUBELLA VIRUS</b>       |        |        |        |        |        |        |
| RUBELLA VIRUS              | -      | 3      | 2      | 7      | -      | 10     |
| <b>SALMONELLA</b>          |        |        |        |        |        |        |
| OTHER SALMONELLAS          | 36     | 35     | 31     | 20     | 27     | 19     |
| SALMONELLA ENTERICA        | -      | -      | -      | -      | -      | 5      |
| SALMONELLA ENTERITIDIS     | 15     | 12     | 15     | -      | -      | 7      |

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>202128</b> | <b>202129</b> | <b>202130</b> | <b>202131</b> | <b>202132</b> | <b>202133</b> |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| SALMONELLA INFANTIS               | 18            | 16            | 18            | 9             | -             | -             |
| SALMONELLA NEWPORT                | -             | 5             | -             | -             | -             | -             |
| SALMONELLA SP                     | 10            | 18            | 61            | 94            | 118           | 168           |
| SALMONELLA TYPHI AND<br>PARATYPHI | -             | 6             | -             | -             | 10            | -             |
| SALMONELLA TYPHIMURIUM            | 35            | 20            | 31            | 15            | 10            | 9             |
| <b>SHIGELLA</b>                   |               |               |               |               |               |               |
| SHIGELLA FLEXNERI                 | 6             | 2             | 5             | 2             | 7             | 1             |
| SHIGELLA SONNEI                   | 3             | 1             | -             | 2             | 1             | 3             |
| SHIGELLA SP                       | 5             | 11            | 10            | 14            | 11            | 10            |
| <b>STREPTOCOCCUS</b>              |               |               |               |               |               |               |
| STREPTOCOCCUS GROUP A             | 17            | 13            | 8             | 12            | 13            | 12            |
| STREPTOCOCCUS<br>PNEUMONIAE       | 64            | 55            | 65            | 43            | 47            | 64            |

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   |       | 202128 | 202129 | 202130 | 202131 | 202132 | 202133 |
|------------------------------|-------|--------|--------|--------|--------|--------|--------|
| <b>CITROBACTER</b>           |       |        |        |        |        |        |        |
| CITROBACTER SPP              | IMP   | -      | 1      | -      | -      | -      | -      |
|                              | KPC   | 1      | -      | -      | -      | -      | -      |
|                              | NDM   | 2      | 1      | -      | 1      | 1      | -      |
|                              | OXA48 | 1      | 1      | 1      | -      | 1      | -      |
| <b>ENTEROBACTER</b>          |       |        |        |        |        |        |        |
| ENTEROBACTER CLOACAE COMPLEX | IMP   | -      | -      | -      | -      | 2      | -      |
|                              | KPC   | 6      | 2      | 2      | 1      | -      | -      |
|                              | NDM   | 1      | -      | 2      | 2      | 1      | 1      |
|                              | OXA48 | 3      | 1      | 2      | 2      | 1      | -      |
|                              | OTHER | -      | 1      | -      | -      | -      | -      |
| <b>ESCHERICHIA</b>           |       |        |        |        |        |        |        |
| ESCHERICHIA COLI             | KPC   | 6      | 9      | -      | 3      | 2      | -      |
|                              | NDM   | 6      | 6      | 5      | 2      | -      | 2      |
|                              | OXA48 | 3      | 2      | 7      | 5      | 2      | -      |
|                              | OTHER | 2      | -      | -      | -      | -      | -      |
| <b>HAFNIA</b>                |       |        |        |        |        |        |        |
| HAFNIA SPP                   | OXA48 | -      | -      | 1      | -      | -      | -      |

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

| Week notification received     |       |  | 202128 | 202129 | 202130 | 202131 | 202132 | 202133 |
|--------------------------------|-------|--|--------|--------|--------|--------|--------|--------|
| <b>KLEBSIELLA</b>              |       |  |        |        |        |        |        |        |
| KLEBSIELLA AEROGENES           | IMP   |  | -      | 1      | -      | -      | -      | -      |
| KLEBSIELLA OXYTOCA             | IMP   |  | -      | -      | 2      | 2      | -      | -      |
|                                | KPC   |  | -      | 2      | -      | -      | -      | -      |
|                                | NDM   |  | -      | -      | -      | 1      | -      | -      |
|                                | OXA48 |  | -      | -      | -      | 1      | -      | -      |
| KLEBSIELLA PNEUMONIAE          | KPC   |  | 2      | 2      | 2      | 6      | 3      | 1      |
|                                | NDM   |  | 4      | 2      | 3      | 3      | 4      | 1      |
|                                | OXA48 |  | 5      | 6      | 5      | 7      | 1      | 2      |
| KLEBSIELLA SEROGENES           | IMP   |  | -      | 1      | -      | -      | -      | -      |
| KLEBSIELLA VARIICOLA           | KPC   |  | -      | -      | -      | 1      | -      | -      |
| OTHER KLEBSIELLA SPP           | KPC   |  | -      | -      | -      | -      | 1      | -      |
| <b>MORGANELLA</b>              |       |  |        |        |        |        |        |        |
| MORGANELLA MORGANII            | NDM   |  | -      | -      | -      | 1      | -      | -      |
|                                | OXA48 |  | 1      | -      | -      | -      | -      | -      |
| <b>PANTOEA</b>                 |       |  |        |        |        |        |        |        |
| PANTOEA AGGLOMERANS            | KPC   |  | -      | 1      | -      | -      | -      | -      |
| <b>SERRATIA</b>                |       |  |        |        |        |        |        |        |
| SERRATIA MARCESCENS/UREILYTICA | NDM   |  | 1      | -      | 1      | -      | -      | -      |
|                                | OXA48 |  | -      | -      | 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                    |       | 202128 | 202129 | 202130 | 202131 | 202132 | 202133 |
|---|-------|--------|--------|--------|--------|--------|--------|
| <b>ACINETOBACTER</b>                          |       |        |        |        |        |        |        |
| ACINETOBACTER BAUMANNII                       | NDM   | -      | -      | -      | 1      | -      | -      |
|   | OTHER | 1      | -      | -      | -      | -      | -      |
| ACINETOBACTER CALCOACETICUS/BAUMANNII COMPLEX | NDM   | -      | -      | 1      | -      | -      | -      |
| <b>PSEUDOMONAS</b>                            |       |        |        |        |        |        |        |
| PSEUDOMONAS AERUGINOSA                        | IMP   | -      | -      | -      | 1      | -      | -      |
|   | NDM   | 1      | -      | -      | -      | -      | -      |
|   | VIM   | -      | -      | -      | 1      | -      | -      |
|   | OTHER | 2      | 3      | 2      | 3      | -      | -      |
| PSEUDOMONAS PUTIDA GROUP                      | VIM   | -      | 1      | -      | -      | -      | -      |
|   | OTHER | -      | -      | -      | 1      | -      | -      |
| <b>OTHER</b>                                  |       |        |        |        |        |        |        |
|   | KPC   | 1      | -      | -      | -      | -      | -      |
|   | NDM   | -      | -      | 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*