



UK Health  
Security  
Agency

# NOIDs Weekly Report

## STATUTORY NOTIFICATION OF INFECTIOUS DISEASES

### CAUSATIVE AGENTS

2021/43

WEEK ENDING: 31/10/2021

Laboratories in England have a statutory duty to notify the UK Health Security Agency 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-         | HEPATITIS C            | RUBELLA VIRUS           |
| PRODUCING GRAM-        | HEPATITIS D            | SABIA VIRUS             |
| NEGATIVE ORGANISMS     | HEPATITIS E            | SALMONELLA SPP          |
| CHIKUNGUNYA VIRUS      | INFLUENZA VIRUS        | SARS CORONAVIRUS        |
| CHLAMYDOPHILA PSITTACI | JUNIN VIRUS            | SHIGELLA SPP            |
| CLOSTRIDIUM BOTULINUM  | KYASANUR FOREST        | STREPTOCOCCUS GROUP     |
| CLOSTRIDIUM            | DISEASE                | A (INVASIVE)            |
| PERFRINGENS            | LASSA VIRUS            | STREPTOCOCCUS           |
| CLOSTRIDIUM TETANI     | LEGIONELLA SPP         | PNEUMONIAE (INVASIVE)   |
| CORYNEBACTERIUM        | LEPTOSPIRA             | VARICELLA ZOSTER VIRUS  |
| DIPHTHERIAE            | INTERROGANS            | VARIOLA VIRUS           |
| CORYNEBACTERIUM        | LISTERIA               | VIBRIO CHOLERAЕ         |
| ULCERANS               | MONOCYTOGENES          | WEST NILE VIRUS         |
| COXIELLA BURNETII      | MACHUPO VIRUS          | YELLOW FEVER VIRUS      |
| CRIMEAN-CONGO          | MARBURG VIRUS          | YERSINIA PESTIS         |
| HAEMORRHAGIC FEVER     | MEASLES VIRUS          |                         |
| VIRUS                  | MUMPS VIRUS            |                         |
| CRYPTOSPORIDIUM SPP    | MYCOBACTERIUM          |                         |
| DENGUE VIRUS           | TUBERCULOSIS COMPLEX   |                         |
| EBOLA VIRUS            | NEISSERIA MENINGITIDIS |                         |
| ENTAMOEBА HISTOLYTICA  |                        |                         |
|                        | OMSK HAEMORRHAGIC      |                         |
|                        | 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                              | 202138 | 202139 | 202140 | 202141 | 202142 | 202143 |
|---|--------|--------|--------|--------|--------|--------|
| <b>ARBOVIRUSES</b>                                      |        |        |        |        |        |        |
| WEST NILE VIRUS   | -      | -      | -      | 1      | -      | -      |
| <b>BACILLUS</b>   |        |        |        |        |        |        |
| BACILLUS CEREUS   | 14     | 18     | 20     | 21     | 16     | 18     |
| <b>BORDETELLA</b>                                       |        |        |        |        |        |        |
| BORDETELLA PERTUSSIS                                    | -      | 1      | -      | 1      | -      | 1      |
| <b>BORRELIA</b>   |        |        |        |        |        |        |
| BORRELIA BURGDORFERI                                    | 30     | 28     | 20     | 28     | 25     | 15     |
| <b>BRUCELLA</b>   |        |        |        |        |        |        |
| BRUCELLA MELITENSIS                                     | 1      | -      | -      | -      | -      | -      |
| <b>CAMPYLOBACTER</b>                                    |        |        |        |        |        |        |
| CAMPYLOBACTER COLI                                      | 46     | 34     | 26     | 33     | 53     | 29     |
| CAMPYLOBACTER FETUS                                     | -      | 1      | -      | -      | -      | 1      |
| CAMPYLOBACTER<br>HELVETICUS                             | -      | -      | -      | 1      | -      | -      |
| CAMPYLOBACTER JEJUNI                                    | 288    | 228    | 236    | 222    | 270    | 188    |
| CAMPYLOBACTER RECTUS                                    | -      | 1      | -      | -      | -      | -      |
| CAMPYLOBACTER SP  | 857    | 793    | 784    | 883    | 850    | 818    |
| CAMPYLOBACTER<br>UPSALIENSIS                            | 1      | -      | 2      | -      | -      | 2      |
| CAMPYLOBACTER<br>UREOLYTICUS<br>(BACTEROIDES CORRODENS) | -      | -      | -      | 1      | 1      | -      |
| <b>CLOSTRIDIUM</b>                                      |        |        |        |        |        |        |
| CLOSTRIDIUM PERFRINGENS                                 | 34     | 25     | 21     | 28     | 27     | 26     |
| <b>CORONAVIRUS</b>                                      |        |        |        |        |        |        |
| CORONAVIRUS   | 56     | 49     | 53     | 75     | 92     | 99     |
| SARS CORONAVIRUS  | -      | 1      | -      | 1      | -      | 15     |
| SARS-COV-2 ANTIBODY<br>INDETERMINATE                    | 120    | 101    | 151    | 140    | 116    | 124    |
| SARS-COV-2 ANTIBODY VOID                                | 97     | 98     | 4252   | 176    | 116    | 104    |
| SARS-CoV-2 CORONAVIRUS<br>(Covid-19)                    | 10033  | 10396  | 11309  | 13372  | 15099  | 13976  |
| SARS-CoV-2 CORONAVIRUS<br>(Covid-19) INDETERMINATE      | 4388   | 4581   | 4290   | 4147   | 5082   | 3975   |

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>202138</b> | <b>202139</b> | <b>202140</b> | <b>202141</b> | <b>202142</b> | <b>202143</b> |
|------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| SARS-COV-2 IGA ANTIBODY NEGATIVE   | 1             | 2             | 1             | 2             | -             | -             |
| SARS-COV-2 IGA ANTIBODY POSITIVE   | -             | 1             | -             | 1             | 1             | -             |
| SARS-COV-2 IGG ANTIBODY NEGATIVE   | 1684          | 1687          | 1983          | 2180          | 1855          | 1814          |
| SARS-COV-2 IGG ANTIBODY POSITIVE   | 3301          | 4132          | 3888          | 3527          | 4264          | 4124          |
| SARS-COV-2 IGM ANTIBODY NEGATIVE   | 20            | 16            | 23            | 14            | 13            | 25            |
| SARS-COV-2 IGM ANTIBODY POSITIVE   | 1             | 4             | 1             | -             | 4             | 3             |
| SARS-COV-2 TOTAL ANTIBODY NEGATIVE | 3650          | 15380         | 34018         | 34393         | 3748          | 4432          |
| SARS-COV-2 TOTAL ANTIBODY POSITIVE | 3647          | 7982          | 11427         | 36601         | 5840          | 5431          |
| <b>CORYNEBACTERIUM</b>             |               |               |               |               |               |               |
| CORYNEBACTERIUM DIPHTHERIAE        | 1             | 1             | -             | -             | -             | -             |
| CORYNEBACTERIUM ULCERANS           | -             | -             | -             | 1             | -             | 1             |
| <b>CRYPTOSPORIDIUM</b>             |               |               |               |               |               |               |
| CRYPTOSPORIDIUM HOMINIS            | 2             | 2             | 1             | 1             | 3             | -             |
| CRYPTOSPORIDIUM PARVUM             | 28            | 44            | 40            | 35            | 44            | 13            |
| CRYPTOSPORIDIUM SP                 | 28            | 35            | 29            | 29            | 28            | 65            |
| CRYPTOSPORIDIUM UBIQUITUM          | 1             | -             | -             | -             | -             | -             |
| <b>ENTAMOEBA</b>                   |               |               |               |               |               |               |
| ENTAMOEBA HISTOLYTICA              | 1             | -             | 1             | 3             | 1             | -             |
| <b>ESCHERICHIA</b>                 |               |               |               |               |               |               |
| ESCHERICHIA COLI O 157             | 13            | 9             | 15            | 12            | 5             | 5             |
| <b>FLAVIVIRUSES</b>                |               |               |               |               |               |               |
| DENGUE VIRUS                       | 1             | 1             | -             | 2             | -             | -             |
| <b>HAEMOPHILUS</b>                 |               |               |               |               |               |               |
| HAEMOPHILUS INFLUENZAE             | 40            | 39            | 40            | 45            | 57            | 33            |

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

| Week notification received | 202138 | 202139 | 202140 | 202141 | 202142 | 202143 |
|----------------------------|--------|--------|--------|--------|--------|--------|
| <b>HEPATITIS VIRUSES</b>   |        |        |        |        |        |        |
| HEPATITIS A                | 10     | 8      | 10     | 10     | 5      | 3      |
| HEPATITIS B                | 133    | 139    | 132    | 141    | 133    | 131    |
| HEPATITIS C                | 359    | 425    | 302    | 405    | 338    | 354    |
| HEPATITIS D                | 2      | -      | -      | 1      | 1      | -      |
| HEPATITIS E                | 17     | 9      | 18     | 33     | 27     | 19     |
| <b>INFLUENZA VIRUS</b>     |        |        |        |        |        |        |
| INFLUENZA A                | 75     | 156    | 174    | 158    | 194    | 139    |
| INFLUENZA B                | 52     | 68     | 99     | 105    | 155    | 117    |
| INFLUENZA INDETERMINATE    | 1      | -      | -      | -      | 1      | -      |
| INFLUENZA UNGROUPED        | -      | 6      | 3      | 1      | 4      | 4      |
| <b>LEGIONELLA</b>          |        |        |        |        |        |        |
| LEGIONELLA LONGBEACHAE     | -      | -      | -      | -      | 1      | -      |
| LEGIONELLA PNEUMOPHILA     | 1      | 4      | 3      | 3      | 8      | 2      |
| LEGIONELLA SP              | 4      | 6      | 4      | 3      | 2      | -      |
| <b>LISTERIA</b>            |        |        |        |        |        |        |
| LISTERIA MONOCYTOGENES     | 3      | 10     | 6      | 5      | 6      | 7      |
| <b>MYCOBACTERIUM</b>       |        |        |        |        |        |        |
| MYCOBACTERIUM TUBERCULOSIS | 56     | 60     | 46     | 48     | 42     | 41     |
| <b>NEISSERIA</b>           |        |        |        |        |        |        |
| NEISSERIA MENINGITIDIS     | 8      | 9      | 2      | 12     | 8      | 15     |
| <b>PARAMYXOVIRUSES</b>     |        |        |        |        |        |        |
| MEASLES VIRUS              | -      | -      | -      | -      | 1      | 2      |
| MUMPS VIRUS                | 2      | -      | -      | -      | 1      | -      |
| <b>PLASMODIUM</b>          |        |        |        |        |        |        |
| PLASMODIUM FALCIPARUM      | 6      | 1      | -      | 11     | 2      | 1      |
| PLASMODIUM MALARIAE        | -      | -      | -      | -      | 1      | -      |
| <b>POLYOMAVIRUS</b>        |        |        |        |        |        |        |
| POLYOMAVIRUS BK            | 34     | 35     | 25     | 29     | 30     | 28     |
| POLYOMAVIRUS JC            | 6      | 2      | 1      | 4      | 1      | 6      |

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

| Week notification received     | 202138 | 202139 | 202140 | 202141 | 202142 | 202143 |
|--------------------------------|--------|--------|--------|--------|--------|--------|
| <b>RICKETTSIA</b>              |        |        |        |        |        |        |
| RICKETTSIA SP                  | 1      | -      | -      | 1      | -      | -      |
| <b>RUBELLA VIRUS</b>           |        |        |        |        |        |        |
| RUBELLA VIRUS                  | 2      | 2      | 1      | 2      | 3      | -      |
| <b>SALMONELLA</b>              |        |        |        |        |        |        |
| OTHER SALMONELLAS              | 40     | 42     | 50     | 22     | 9      | 13     |
| SALMONELLA ENTERICA            | -      | -      | -      | 6      | -      | -      |
| SALMONELLA ENTERITIDIS         | 24     | 21     | 34     | 17     | -      | 8      |
| SALMONELLA INFANTIS            | 23     | 10     | 26     | 13     | -      | 5      |
| SALMONELLA NEWPORT             | -      | -      | 5      | -      | -      | -      |
| SALMONELLA SP                  | 15     | 15     | 26     | 51     | 75     | 71     |
| SALMONELLA TYPHI AND PARATYPHI | 8      | 11     | 6      | -      | -      | -      |
| SALMONELLA TYPHIMURIUM         | 49     | 43     | 66     | 41     | 6      | 16     |
| <b>SHIGELLA</b>                |        |        |        |        |        |        |
| SHIGELLA BOYDII                | -      | -      | -      | -      | -      | 1      |
| SHIGELLA DYSENTERIAE           | -      | -      | -      | -      | 1      | -      |
| SHIGELLA FLEXNERI              | 5      | 10     | 14     | 15     | 2      | 5      |
| SHIGELLA SONNEI                | 4      | 5      | 5      | 3      | -      | 5      |
| SHIGELLA SP                    | 12     | 12     | 12     | 15     | 26     | 23     |
| <b>STREPTOCOCCUS</b>           |        |        |        |        |        |        |
| STREPTOCOCCUS GROUP A          | 16     | 8      | 13     | 16     | 15     | 26     |
| STREPTOCOCCUS PNEUMONIAE       | 66     | 59     | 99     | 82     | 102    | 82     |
| <b>VIBRIO</b>                  |        |        |        |        |        |        |
| VIBRIO CHOLERAЕ                | -      | -      | 1      | -      | -      | -      |

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*

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

| Week notification received   |       | 202138 | 202139 | 202140 | 202141 | 202142 | 202143 |
|------------------------------|-------|--------|--------|--------|--------|--------|--------|
| <b>CITROBACTER</b>           |       |        |        |        |        |        |        |
| CITROBACTER SPP              | IMP   | 1      | -      | -      | -      | -      | -      |
|                              | KPC   | 1      | -      | 2      | 1      | 1      | -      |
|                              | NDM   | -      | -      | -      | 1      | 1      | -      |
|                              | OXA48 | 5      | 1      | 1      | 2      | -      | -      |
|                              | VIM   | -      | -      | 1      | -      | -      | -      |
| <b>ENTEROBACTER</b>          |       |        |        |        |        |        |        |
| ENTEROBACTER CLOACAE COMPLEX | IMP   | -      | -      | 1      | 1      | -      | -      |
|                              | KPC   | 4      | 3      | 1      | -      | 3      | -      |
|                              | NDM   | 2      | -      | 3      | 3      | 1      | -      |
|                              | OXA48 | 20     | 18     | 3      | 1      | 1      | -      |
|                              | VIM   | -      | -      | 1      | -      | -      | -      |
| <b>ESCHERICHIA</b>           |       |        |        |        |        |        |        |
| ESCHERICHIA COLI             | KPC   | 1      | -      | -      | 6      | 2      | -      |
|                              | NDM   | 2      | 5      | 2      | 1      | 2      | -      |
|                              | OXA48 | 2      | 9      | 3      | 7      | 3      | 1      |
| <b>KLEBSIELLA</b>            |       |        |        |        |        |        |        |
| KLEBSIELLA AEROGENES         | NDM   | -      | 1      | -      | -      | -      | -      |
| KLEBSIELLA OXYTOCA           | KPC   | -      | -      | -      | 1      | -      | -      |
|                              | OXA48 | -      | 1      | -      | 1      | 1      | -      |
|                              | VIM   | -      | -      | -      | -      | -      | 1      |
| KLEBSIELLA PNEUMONIAE        | IMP   | -      | 1      | -      | -      | -      | -      |
|                              | KPC   | 5      | 3      | 2      | 1      | 3      | -      |
|                              | NDM   | 3      | 2      | 2      | 4      | 4      | 2      |
|                              | OXA48 | 4      | 3      | 3      | 4      | 4      | 1      |
|                              | VIM   | -      | -      | -      | -      | 1      | -      |
|                              | OTHER | -      | -      | -      | 1      | 1      | -      |
| KLEBSIELLA VARIICOLA         | KPC   | -      | -      | -      | 1      | -      | -      |
| <b>MORGANELLA</b>            |       |        |        |        |        |        |        |
| MORGANELLA MORGANII          | OTHER | -      | -      | -      | -      | -      | 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                    |       | 202138 | 202139 | 202140 | 202141 | 202142 | 202143 |
|---|-------|--------|--------|--------|--------|--------|--------|
| <b>ACINETOBACTER</b>                          |       |        |        |        |        |        |        |
| ACINETOBACTER BAUMANNII                       | NDM   | -      | 1      | -      | -      | -      | -      |
| ACINETOBACTER CALCOACETICUS/BAUMANNII COMPLEX | NDM   | 1      | -      | -      | -      | -      | -      |
| OTHER ACINETOBACTER SPP                       | NDM   | -      | -      | -      | -      | 1      | -      |
|   | OTHER | -      | -      | -      | -      | 1      | -      |
| <b>PSEUDOMONAS</b>                            |       |        |        |        |        |        |        |
| PSEUDOMONAS AERUGINOSA                        | IMP   | -      | 1      | -      | -      | -      | -      |
|   | NDM   | -      | 1      | -      | 1      | -      | -      |
|   | VIM   | 1      | -      | -      | 1      | 2      | -      |
|   | OTHER | 1      | 2      | 1      | 1      | 1      | -      |
| PSEUDOMONAS NITROREDUCENS                     | NDM   | -      | -      | 1      | -      | -      | -      |
|   | VIM   | -      | -      | 1      | -      | -      | -      |
| PSEUDOMONAS PUTIDA GROUP                      | VIM   | -      | -      | -      | 1      | -      | -      |
| OTHER PSEUDOMONAS SPP                         | IMP   | 1      | -      | -      | -      | -      | -      |
|   | OTHER | -      | 1      | -      | -      | -      | -      |
| <b>OTHER</b>                                  |       |        |        |        |        |        |        |
|   | OXA48 | -      | 1      | 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*