



UK Health
Security
Agency

NOIDs Weekly Report

STATUTORY NOTIFICATION OF INFECTIOUS DISEASES

CAUSATIVE AGENTS

2021/46

WEEK ENDING: 21/11/2021

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 | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|---|--------|--------|--------|--------|--------|--------|
| ARBOVIRUSES | | | | | | |
| WEST NILE VIRUS | 1 | - | - | - | - | - |
| BACILLUS | | | | | | |
| BACILLUS CEREUS | 21 | 17 | 24 | 19 | 17 | 11 |
| BORDETELLA | | | | | | |
| BORDETELLA PERTUSSIS | 1 | - | 1 | 1 | 1 | 2 |
| BORRELIA | | | | | | |
| BORRELIA BURGDORFERI | 28 | 26 | 16 | 22 | 21 | 11 |
| BORRELIA TILLAE | 1 | 8 | - | 1 | 1 | - |
| CAMPYLOBACTER | | | | | | |
| CAMPYLOBACTER COLI | 33 | 54 | 33 | 39 | 29 | 19 |
| CAMPYLOBACTER FETUS | - | - | 1 | - | - | 1 |
| CAMPYLOBACTER HELVETICUS | 1 | - | - | - | - | - |
| CAMPYLOBACTER HYOINTESTINALIS | - | - | - | - | - | 1 |
| CAMPYLOBACTER JEJUNI | 223 | 270 | 222 | 249 | 266 | 234 |
| CAMPYLOBACTER OTHER NAMED | - | - | 1 | - | - | - |
| CAMPYLOBACTER SP | 884 | 853 | 807 | 818 | 800 | 786 |
| CAMPYLOBACTER SPUTORUM | - | - | - | - | 1 | - |
| CAMPYLOBACTER UPSALIENSIS | - | - | 2 | 1 | - | - |
| CAMPYLOBACTER UREOLYTICUS (BACTEROIDES CORRODENS) | 1 | 1 | - | 1 | - | - |
| CHIKUNGUNYA VIRUS | | | | | | |
| CHIKUNGUNYA VIRUS | - | - | - | - | - | 2 |
| CLOSTRIDIUM | | | | | | |
| CLOSTRIDIUM PERFRINGENS | 28 | 28 | 28 | 19 | 22 | 27 |
| CORONAVIRUS | | | | | | |
| CORONAVIRUS | 76 | 99 | 108 | 87 | 90 | 114 |
| HUMAN CORONAVIRUS 229E | - | - | - | - | - | 1 |
| SARS CORONAVIRUS | 1 | - | 15 | 1 | - | - |

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

| Week notification received | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| SARS-COV-2 ANTIBODY INDETERMINATE | 144 | 118 | 126 | 118 | 131 | 140 |
| SARS-COV-2 ANTIBODY VOID | 176 | 116 | 104 | 5263 | 108 | 48 |
| SARS-CoV-2 CORONAVIRUS (Covid-19) | 259478 | 268763 | 236553 | 193732 | 218077 | 241026 |
| SARS-CoV-2 CORONAVIRUS (Covid-19) INDETERMINATE | 4153 | 5108 | 4038 | 2963 | 2246 | 2367 |
| SARS-COV-2 IGA ANTIBODY NEGATIVE | 2 | - | - | 1 | - | - |
| SARS-COV-2 IGA ANTIBODY POSITIVE | 1 | 1 | - | - | - | - |
| SARS-COV-2 IGG ANTIBODY NEGATIVE | 2143 | 1835 | 1781 | 1924 | 4937 | 1866 |
| SARS-COV-2 IGG ANTIBODY POSITIVE | 3183 | 3850 | 3751 | 4255 | 4053 | 4121 |
| SARS-COV-2 IGM ANTIBODY NEGATIVE | 14 | 13 | 25 | 7 | 13 | 59 |
| SARS-COV-2 IGM ANTIBODY POSITIVE | - | 4 | 4 | 4 | 2 | - |
| SARS-COV-2 TOTAL ANTIBODY NEGATIVE | 34534 | 3837 | 4545 | 38619 | 3164 | 3832 |
| SARS-COV-2 TOTAL ANTIBODY POSITIVE | 37144 | 6371 | 6012 | 31004 | 5853 | 5510 |
| CORYNEBACTERIUM | | | | | | |
| CORYNEBACTERIUM ULCERANS | 1 | - | 1 | - | 1 | - |
| COXIELLA | | | | | | |
| COXIELLA BURNETII | - | - | - | 1 | - | 1 |
| CRYPTOSPORIDIUM | | | | | | |
| CRYPTOSPORIDIUM HOMINIS | 1 | 5 | - | 1 | 2 | 2 |
| CRYPTOSPORIDIUM PARVUM | 37 | 48 | 42 | 45 | 56 | 31 |
| CRYPTOSPORIDIUM SP | 28 | 23 | 36 | 47 | 60 | 77 |
| ENTAMOEBIA | | | | | | |
| ENTAMOEBIA HISTOLYTICA | 3 | 1 | - | - | 2 | - |
| ESCHERICHIA | | | | | | |
| ESCHERICHIA COLI O 157 | 12 | 5 | 8 | 5 | 5 | 5 |
| FLAVIVIRUSES | | | | | | |
| DENGUE VIRUS | 2 | - | - | 2 | 1 | 2 |

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

| Week notification received | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|----------------------------|--------|--------|--------|--------|--------|--------|
| HAEMOPHILUS | | | | | | |
| HAEMOPHILUS INFLUENZAE | 45 | 59 | 38 | 53 | 38 | 33 |
| HEPATITIS VIRUSES | | | | | | |
| HEPATITIS A | 10 | 5 | 4 | 2 | 7 | 12 |
| HEPATITIS B | 142 | 144 | 146 | 148 | 141 | 154 |
| HEPATITIS C | 413 | 349 | 368 | 337 | 335 | 324 |
| HEPATITIS D | 1 | 1 | - | 2 | 1 | 2 |
| HEPATITIS E | 33 | 27 | 20 | 21 | 24 | 14 |
| INFLUENZA VIRUS | | | | | | |
| INFLUENZA A | 159 | 201 | 110 | 97 | 101 | 122 |
| INFLUENZA B | 105 | 156 | 89 | 74 | 98 | 95 |
| INFLUENZA INDETERMINATE | - | 1 | - | 1 | 1 | - |
| INFLUENZA UNGROUPED | 1 | 4 | 4 | 5 | 3 | 8 |
| LEGIONELLA | | | | | | |
| LEGIONELLA LONGBEACHAE | - | 2 | - | - | - | - |
| LEGIONELLA PNEUMOPHILA | 3 | 8 | 2 | 4 | 4 | 6 |
| LEGIONELLA SP | 3 | 2 | - | 1 | 3 | 3 |
| LISTERIA | | | | | | |
| LISTERIA MONOCYTOGENES | 5 | 6 | 7 | 7 | 4 | 3 |
| MYCOBACTERIUM | | | | | | |
| MYCOBACTERIUM TUBERCULOSIS | 52 | 48 | 56 | 41 | 63 | 62 |
| NEISSERIA | | | | | | |
| NEISSERIA MENINGITIDIS | 12 | 8 | 16 | 14 | 9 | 12 |
| PARAMYXOVIRUSES | | | | | | |
| MEASLES VIRUS | - | 1 | 2 | - | - | 4 |
| MUMPS VIRUS | - | 1 | - | - | - | 1 |
| PLASMODIUM | | | | | | |
| PLASMODIUM FALCIPARUM | 11 | 2 | 1 | 3 | 13 | 2 |
| PLASMODIUM MALARIAE | - | 1 | - | - | - | - |

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

| Week notification received | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| POLYOMAVIRUS | | | | | | |
| POLYOMAVIRUS BK | 29 | 30 | 28 | 34 | 30 | 30 |
| POLYOMAVIRUS JC | 4 | 1 | 6 | - | - | 5 |
| RICKETTSIA | | | | | | |
| RICKETTSIA SP | 1 | - | - | - | - | 1 |
| RUBELLA VIRUS | | | | | | |
| RUBELLA VIRUS | 2 | 3 | - | 1 | 1 | 1 |
| SALMONELLA | | | | | | |
| OTHER SALMONELLAS | 39 | 37 | 36 | 34 | 18 | 28 |
| SALMONELLA ENTERICA | 6 | - | - | - | - | - |
| SALMONELLA ENTERICA | - | - | 6 | - | - | - |
| SALMONELLA ENTERITIDIS | 28 | 13 | 21 | 17 | 16 | 12 |
| SALMONELLA INFANTIS | 14 | 6 | 8 | 6 | - | - |
| SALMONELLA NEWPORT | - | 5 | 9 | - | - | - |
| SALMONELLA SP | 13 | 5 | 13 | 29 | 62 | 94 |
| SALMONELLA TYPHI AND PARATYPHI | - | - | - | 5 | 6 | - |
| SALMONELLA TYPHIMURIUM | 50 | 25 | 30 | 16 | 21 | 15 |
| SHIGELLA | | | | | | |
| SHIGELLA BOYDII | - | 1 | 1 | 1 | - | - |
| SHIGELLA DYSENTERIAE | - | 1 | - | 1 | - | - |
| SHIGELLA FLEXNERI | 18 | 6 | 11 | 9 | 8 | 8 |
| SHIGELLA SONNEI | 3 | 1 | 6 | 6 | 5 | 16 |
| SHIGELLA SP | 12 | 20 | 16 | 21 | 26 | 29 |
| STREPTOCOCCUS | | | | | | |
| STREPTOCOCCUS GROUP A | 16 | 15 | 27 | 13 | 22 | 24 |
| STREPTOCOCCUS PNEUMONIAE | 82 | 105 | 88 | 106 | 116 | 93 |

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 | | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|------------------------------|-------|--------|--------|--------|--------|--------|--------|
| CITROBACTER | | | | | | | |
| CITROBACTER SPP | KPC | 1 | 2 | 1 | - | - | 1 |
| | NDM | 1 | 1 | - | - | 1 | - |
| | OXA48 | 2 | 1 | 2 | - | 1 | - |
| | VIM | - | - | - | - | - | 1 |
| ENTEROBACTER | | | | | | | |
| ENTEROBACTER CLOACAE COMPLEX | IMP | 1 | - | - | - | - | - |
| | KPC | 1 | 3 | 2 | 1 | 2 | - |
| | NDM | 3 | 2 | 1 | - | 1 | - |
| | OXA48 | 9 | 4 | 5 | - | 1 | - |
| | VIM | - | - | 1 | - | - | - |
| OTHER ENTEROBACTER SPP | KPC | - | - | - | 1 | - | - |
| ESCHERICHIA | | | | | | | |
| ESCHERICHIA COLI | KPC | 6 | 3 | 2 | 2 | 2 | - |
| | NDM | 1 | 2 | 3 | 4 | 6 | - |
| | OXA48 | 8 | 5 | 7 | 4 | 7 | - |
| | OTHER | - | - | - | - | 1 | - |
| ESCHERICHIA OTHER NAMED | 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 | | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|----------------------------|-------|--------|--------|--------|--------|--------|--------|
| KLEBSIELLA | | | | | | | |
| KLEBSIELLA OXYTOCA | KPC | 1 | - | - | - | 1 | - |
| | OXA48 | 1 | 1 | 1 | - | - | - |
| | VIM | - | - | 1 | - | - | - |
| KLEBSIELLA PNEUMONIAE | IMP | - | - | - | - | 3 | - |
| | KPC | 2 | 4 | 4 | 2 | 2 | 1 |
| | NDM | 5 | 4 | 6 | 1 | 2 | - |
| | OXA48 | 5 | 5 | 5 | 6 | 6 | - |
| | VIM | - | 1 | - | - | - | - |
| KLEBSIELLA VARIICOLA | OTHER | 1 | 1 | - | - | - | - |
| | KPC | 1 | - | 1 | - | - | - |
| | OXA48 | - | - | 1 | - | - | - |
| MORGANELLA | | | | | | | |
| MORGANELLA MORGANII | OTHER | - | - | 1 | - | 1 | - |
| RAOULTELLA | | | | | | | |
| RAOULTELLA ORNITHINOLYTICA | KPC | - | - | - | - | 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 | | 202141 | 202142 | 202143 | 202144 | 202145 | 202146 |
|----------------------------|-------|--------|--------|--------|--------|--------|--------|
| ACINETOBACTER | | | | | | | |
| ACINETOBACTER BAUMANNII | NDM | - | - | 1 | - | - | - |
| OTHER ACINETOBACTER SPP | NDM | - | 1 | - | - | - | - |
| | OTHER | - | 1 | - | - | - | - |
| PSEUDOMONAS | | | | | | | |
| PSEUDOMONAS AERUGINOSA | NDM | 1 | - | - | - | - | - |
| | VIM | 1 | 2 | 1 | - | - | - |
| | OTHER | 1 | 1 | 3 | 1 | - | 2 |
| PSEUDOMONAS PUTIDA GROUP | VIM | 1 | - | - | - | - | - |
| PSEUDOMONAS TAETROLENS | OTHER | - | - | 1 | - | - | - |
| OTHER | | | | | | | |
| | OXA48 | - | - | 1 | - | - | - |
| | OTHER | - | - | 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*