



UK Health  
Security  
Agency

## NOIDs Weekly Report

### Statutory Notification of Infectious Diseases

#### Causative Agents

2021/47

Week ending 28/11/2021

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

Bacillus anthracis	Giardia lamblia	Plasmodium falciparum
Bacillus cereus	Guanarito virus	Plasmodium Knowlesi
Bordetella pertussis	Haemophilus influenzae (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
Carbapenemase-producing Gram-negative bacteria	Hepatitis E	Rift Valley fever virus
Chikungunya virus	Influenza virus	Rubella virus
Chlamydomphila psittaci	Junin virus	Sabia virus
Clostridium botulinum	Kyasanur Forest disease virus	Salmonella spp
Clostridium perfringens	Lassa virus	SARS Coronavirus
Clostridium tetani	Legionella spp	Shigella spp
Corynebacterium diphtheriae	Leptospira interrogans	Streptococcus group A (invasive)
Corynebacterium ulcerans	Listeria monocytogenes	Streptococcus pneumoniae (invasive)
Coxiella burnetii	Machupo virus	Varicella zoster virus
Crimean-Congo haemorrhagic fever virus	Marburg virus	Variola virus
Cryptosporidium spp	Measles virus	Vibrio cholerae
Dengue virus	Mumps virus	West Nile Virus
Ebola virus	Mycobacterium tuberculosis complex	Yellow fever virus
Entamoeba histolytica	Neisseria meningitidis	Yersinia pestis
Escherichia coli O 157	Omsk haemorrhagic fever virus	
Francisella tularensis		

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

Week notification received	2021/42	2021/43	2021/44	2021/45	2021/46	2021/47
<b>Bacillus</b>						
Bacillus cereus	17	24	19	17	11	27
<b>Bordetella</b>						
Bordetella pertussis	-	1	1	1	2	2
<b>Borrelia</b>						
Borrelia burgdorferi	26	17	22	21	11	17
Borrelia tillae	8	-	1	1	-	1
<b>Campylobacter</b>						
Campylobacter coli	54	33	39	29	20	22
Campylobacter fetus	-	1	-	-	1	-
Campylobacter hyointestinalis	-	-	-	-	1	-
Campylobacter jejuni	270	222	249	266	257	194
Campylobacter other named	-	1	-	-	-	-
Campylobacter sp	853	807	818	800	763	776
Campylobacter sputorum	-	-	-	1	-	-
Campylobacter upsaliensis	-	2	1	-	-	1
Campylobacter ureolyticus (bacteroides corrodens)	1	-	1	-	-	-
<b>Chikungunya virus</b>						
Chikungunya virus	-	-	-	-	2	1
<b>Clostridium</b>						
Clostridium perfringens	28	28	19	22	27	36
<b>Coronavirus</b>						
Coronavirus	99	108	87	94	119	117
Human coronavirus 229e	-	-	-	-	1	-
SARS coronavirus	-	15	1	-	-	-
SARS-CoV-2 antibody indeterminate	118	126	118	131	140	220
SARS-CoV-2 antibody void	116	104	5263	111	48	126
SARS-CoV-2 coronavirus (covid-19)	268760	236707	193821	218157	240047	254606
SARS-CoV-2 coronavirus (covid-19) indeterminate	5118	7044	7142	4723	4807	4561
SARS-CoV-2 IgA antibody negative	-	-	1	-	1	-

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SARS-CoV-2 IgA antibody positive	1	-	1	-	-	-
SARS-CoV-2 IgG antibody negative	1837	1782	1927	4939	1866	2216
SARS-CoV-2 IgG antibody positive	3851	3751	4262	4054	4123	4397
SARS-CoV-2 IgM antibody negative	13	25	8	13	59	59
SARS-CoV-2 IgM antibody positive	4	4	4	2	-	3
SARS-CoV-2 total antibody negative	3839	4545	38623	3166	3835	4729
SARS-CoV-2 total antibody positive	6373	6018	31010	5869	5515	9149
<b>Corynebacterium</b>						
Corynebacterium diphtheriae	-	-	-	-	-	1
Corynebacterium ulcerans	-	1	-	1	-	-
<b>Coxiella</b>						
Coxiella burnetii	-	-	1	-	1	-
<b>Cryptosporidium</b>						
Cryptosporidium hominis	5	-	1	3	2	-
Cryptosporidium parvum	48	44	47	61	56	7
Cryptosporidium sp	23	34	45	54	52	72
<b>Entamoeba</b>						
Entamoeba histolytica	1	-	-	2	-	3
<b>Escherichia</b>						
Escherichia coli O 157	5	8	5	5	6	8
<b>Flaviviruses</b>						
Dengue virus	-	-	2	1	2	3
<b>Haemophilus</b>						
Haemophilus influenzae	59	38	53	38	34	53
<b>Hepatitis viruses</b>						
Hepatitis A	5	4	2	7	12	7
Hepatitis B	144	149	152	145	160	112
Hepatitis C	349	367	340	341	339	351
Hepatitis D	1	-	2	1	2	2
Hepatitis E	27	20	21	24	14	23

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

Week notification received	2021/42	2021/43	2021/44	2021/45	2021/46	2021/47
<b>Influenza virus</b>						
Influenza A	201	110	97	101	122	147
Influenza B	156	89	74	98	95	91
Influenza indeterminate	1	-	1	1	-	3
Influenza ungrouped	4	4	5	3	8	5
<b>Legionella</b>						
Legionella longbeachae	2	-	-	-	-	-
Legionella pneumophila	8	2	4	4	6	2
Legionella sp	2	-	1	3	3	3
<b>Listeria</b>						
Listeria monocytogenes	6	7	7	4	3	1
<b>Mycobacterium</b>						
Mycobacterium tuberculosis	48	57	42	65	63	39
<b>Neisseria</b>						
Neisseria meningitidis	8	16	14	9	12	10
<b>Paramyxoviruses</b>						
Measles virus	1	2	-	-	4	-
Mumps virus	1	-	-	-	1	-
<b>Plasmodium</b>						
Plasmodium falciparum	2	1	3	13	2	2
Plasmodium malariae	1	-	-	-	-	-
<b>Polyomavirus</b>						
Polyomavirus BK	30	28	34	30	30	27
Polyomavirus JC	1	6	-	-	5	1
<b>Rickettsia</b>						
Rickettsia sp	-	-	-	-	1	-
<b>Rubella virus</b>						
Rubella virus	3	-	1	1	1	3
<b>Salmonella</b>						
Other salmonellas	37	36	36	23	29	16
Salmonella enteritidis	13	21	24	28	19	16
Salmonella infantis	6	8	7	5	-	-
Salmonella newport	5	9	-	5	-	-

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>2021/42</b>	<b>2021/43</b>	<b>2021/44</b>	<b>2021/45</b>	<b>2021/46</b>	<b>2021/47</b>
Salmonella sp	5	13	18	19	72	58
Salmonella typhi and paratyphi	-	-	5	6	5	7
Salmonella typhimurium	25	30	17	37	25	23
Salmonella enterica	-	6	-	-	-	-
<b>Shigella</b>						
Shigella boydii	1	1	1	-	-	-
Shigella dysenteriae	1	-	1	-	-	-
Shigella flexneri	7	11	10	13	8	6
Shigella sonnei	1	6	7	6	18	7
Shigella sp	19	16	19	20	27	22
<b>Streptococcus</b>						
Streptococcus group A	15	27	13	22	24	14
Streptococcus pneumoniae	105	89	107	116	94	75

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		2021/42	2021/43	2021/44	2021/45	2021/46	2021/47
<b>Citrobacter</b>							
Citrobacter spp	KPC	2	1	-	-	2	-
	NDM	1	-	-	1	-	-
	OXA48	1	3	-	1	2	-
	VIM	-	-	-	-	1	-
<b>Enterobacter</b>							
Enterobacter cloacae complex	KPC	3	2	1	2	1	-
	NDM	2	2	-	1	1	-
	OXA48	8	6	3	1	-	-
	VIM	-	1	-	-	-	-
Other enterobacter spp	KPC	-	-	1	-	-	-
<b>Escherichia</b>							
Escherichia coli	KPC	3	2	2	2	1	-
	NDM	2	3	4	6	1	-
	OXA48	6	7	6	7	3	-
	VIM	-	-	1	-	-	-
	Other	-	-	-	1	-	1
Escherichia other named	OXA48	-	-	-	1	1	-

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

Week notification received		2021/42	2021/43	2021/44	2021/45	2021/46	2021/47
<b>Klebsiella</b>							
Klebsiella oxytoca	KPC	-	-	-	1	1	-
	NDM	-	-	-	-	1	-
	OXA48	1	1	-	-	-	-
	VIM	-	1	-	-	-	-
Klebsiella pneumoniae	IMP	-	-	-	3	-	-
	KPC	5	4	2	2	3	-
	NDM	4	6	1	2	2	1
	OXA48	5	5	7	6	6	-
	VIM	1	-	-	-	-	-
	Other	1	-	-	-	1	-
Klebsiella variicola	KPC	-	1	-	-	-	-
	OXA48	-	1	-	-	-	-
<b>Morganella</b>							
Morganella morganii	OXA48	-	-	-	-	1	-
	Other	-	1	-	1	-	-
<b>Raoultella</b>							
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		2021/42	2021/43	2021/44	2021/45	2021/46	2021/47
<b>Acinetobacter</b>							
Acinetobacter baumannii	NDM	-	1	-	-	-	-
Other acinetobacter spp	NDM	1	-	-	-	-	-
	Other	1	-	-	-	-	-
<b>Pseudomonas</b>							
Pseudomonas aeruginosa	IMP	-	-	-	-	3	-
	VIM	2	1	-	-	-	-
	Other	1	3	1	-	3	-
Pseudomonas taetrolens	Other	-	1	-	-	-	-
<b>Other</b>							
	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