



UK Health  
Security  
Agency

## NOIDs Weekly Report

### Statutory Notification of Infectious Diseases

#### Causative Agents

2021/52

Week ending 2 January 2022

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	2021/47	2021/48	2021/49	2021/50	2021/51	2021/52
<b>Arboviruses</b>						
West Nile virus	-	1	-	-	-	-
<b>Bacillus</b>						
Bacillus cereus	26	19	17	29	12	15
<b>Bordetella</b>						
Bordetella pertussis	2	2	-	-	1	2
<b>Borrelia</b>						
Borrelia burgdorferi	17	26	15	9	17	3
Borrelia sp	-	-	1	-	-	-
Borrelia tillae	1	1	2	-	3	-
<b>Brucella</b>						
Brucella melitensis	-	-	-	-	-	1
<b>Campylobacter</b>						
Campylobacter coli	29	19	20	22	21	9
Campylobacter curvus	-	-	-	-	1	-
Campylobacter fetus	1	1	-	-	-	-
Campylobacter jejuni	241	262	238	216	216	97
Campylobacter sp	799	762	708	647	679	469
Campylobacter upsaliensis	1	2	-	-	2	-
<b>Chikungunya virus</b>						
Chikungunya virus	1	1	-	2	1	-
<b>Clostridium</b>						
Clostridium perfringens	43	23	35	23	19	27
<b>Coronavirus</b>						
Coronavirus	122	122	130	100	117	64
Human coronavirus 229e	-	-	1	-	1	-
Mers coronavirus	-	-	2	-	-	-
SARS coronavirus	-	1	2	1	-	-
SARS-CoV-2 antibody indeterminate	220	305	172	256	145	123
SARS-CoV-2 antibody void	126	62	78	91	84	82
SARS-CoV-2 coronavirus (covid-19)	253666	279241	304579	505856	695414	980350
SARS-CoV-2 coronavirus (covid-19) indeterminate	4567	4323	4452	4478	5442	6550

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

Week notification received	2021/47	2021/48	2021/49	2021/50	2021/51	2021/52
SARS-CoV-2 coronavirus (covid-19) negative	-	2	10	-	1	-
SARS-CoV-2 coronavirus (covid-19) void	-	2	1	-	1	-
SARS-CoV-2 IgG antibody negative	2220	2504	1952	2350	2060	1495
SARS-CoV-2 IgG antibody positive	4409	5026	4249	4752	4211	3215
SARS-CoV-2 IgM antibody negative	59	44	33	1	1	1
SARS-CoV-2 IgM antibody positive	3	3	2	-	-	1
SARS-CoV-2 total antibody negative	4763	3442	4027	2899	3651	2368
SARS-CoV-2 total antibody positive	9178	6526	5951	5792	6144	5041
<b>Corynebacterium</b>						
Corynebacterium diphtheriae	1	2	1	3	-	1
<b>Cryptosporidium</b>						
Cryptosporidium hominis	-	1	1	-	1	-
Cryptosporidium parvum	44	55	26	37	5	-
Cryptosporidium sp	40	27	21	41	30	18
<b>Entamoeba</b>						
Entamoeba histolytica	3	1	1	3	-	-
<b>Escherichia</b>						
Escherichia coli O 157	10	11	6	2	2	4
<b>Flaviviruses</b>						
Dengue virus	3	2	-	2	2	1
<b>Haemophilus</b>						
Haemophilus influenzae	56	45	56	60	43	41
<b>Hepatitis viruses</b>						
Hepatitis A	8	9	9	6	7	2
Hepatitis B	141	183	156	139	152	90
Hepatitis C	369	235	229	425	373	184
Hepatitis D	2	1	3	4	-	2
Hepatitis E	23	16	25	19	26	10
<b>Influenza virus</b>						
Influenza A	153	221	255	237	189	167

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Influenza B	99	85	67	78	31	22
Influenza indeterminate	3	2	6	-	4	-
Influenza ungrouped	5	6	-	1	6	2
<b>Legionella</b>						
Legionella pneumophila	3	5	2	3	5	-
Legionella sp	3	-	4	1	3	2
<b>Listeria</b>						
Listeria monocytogenes	1	2	5	3	3	4
<b>Mycobacterium</b>						
Mycobacterium tuberculosis	46	66	47	43	46	37
<b>Neisseria</b>						
Neisseria meningitidis	10	10	6	14	11	9
<b>Paramyxoviruses</b>						
Measles virus	-	-	1	1	-	-
Mumps virus	-	2	-	3	1	2
<b>Plasmodium</b>						
Plasmodium falciparum	3	2	-	10	2	-
Plasmodium ovale	-	-	-	2	-	-
Plasmodium vivax	-	-	-	1	-	-
<b>Polyomavirus</b>						
Polyomavirus BK	27	33	20	30	36	20
Polyomavirus JC	1	5	3	2	3	1
<b>Rickettsia</b>						
Rickettsia sp	-	1	-	-	-	-
<b>Rubella virus</b>						
Rubella virus	3	1	3	3	2	1
<b>Salmonella</b>						
Other salmonellas	45	43	42	32	35	19
Salmonella enteritidis	24	25	24	19	12	-
Salmonella infantis	-	-	-	5	-	-
Salmonella mbandaka	-	-	5	-	-	-
Salmonella newport	-	-	6	-	-	-
Salmonella sp	7	11	5	8	35	39

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>2021/47</b>	<b>2021/48</b>	<b>2021/49</b>	<b>2021/50</b>	<b>2021/51</b>	<b>2021/52</b>
Salmonella typhi and paratyphi	8	5	5	-	6	-
Salmonella typhimurium	37	16	22	15	13	-
<b>Shigella</b>						
Shigella dysenteriae	-	-	-	1	-	-
Shigella flexneri	11	13	10	7	7	3
Shigella sonnei	11	14	11	10	11	4
Shigella sp	13	26	12	19	10	23
<b>Streptococcus</b>						
Streptococcus group A	15	25	26	25	27	17
Streptococcus pneumoniae	80	123	123	97	107	122
<b>Vibrio</b>						
Vibrio cholerae	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

Week notification received		2021/47	2021/48	2021/49	2021/50	2021/51	2021/52
<b>Citrobacter</b>							
Citrobacter spp	KPC	-	1	-	-	-	-
	NDM	1	-	1	-	-	-
	OXA48	-	-	2	1	-	-
<b>Enterobacter</b>							
Enterobacter cloacae complex	IMP	1	-	-	1	-	-
	KPC	-	3	2	1	3	-
	NDM	1	-	-	-	-	-
	OXA48	5	1	2	1	1	-
<b>Escherichia</b>							
Escherichia coli	IMP	-	-	1	-	-	-
	KPC	2	-	4	1	-	-
	NDM	1	3	-	4	1	1
	OXA48	5	6	2	2	5	-
	VIM	1	1	-	-	-	-
	Other	1	-	-	1	-	-
Escherichia hermannii	KPC	1	-	-	-	-	-
<b>Klebsiella</b>							
Klebsiella aerogenes	NDM	-	-	-	1	-	-
Klebsiella oxytoca	KPC	-	-	-	1	-	-
	OXA48	-	-	-	1	-	-
Klebsiella pneumoniae	KPC	4	2	4	2	-	-
	NDM	2	2	5	1	3	-
	OXA48	6	5	3	1	4	1
	VIM	-	-	1	-	1	-
	Other	-	1	-	-	-	-
Other klebsiella spp	NDM	1	-	-	-	-	-
<b>Leclercia</b>							
Leclercia adecarboxylata	KPC	2	-	-	-	-	-

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		2021/47	2021/48	2021/49	2021/50	2021/51	2021/52
<b>Acinetobacter</b>							
Acinetobacter spp	Other	1	-	-	-	-	-
<b>Pseudomonas</b>							
Pseudomonas aeruginosa	IMP	-	1	-	-	-	1
	NDM	-	1	-	-	-	-
	VIM	-	-	1	-	-	1
	Other	1	1	-	-	2	-
Pseudomonas alcaligenes	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