UK Health Security Agency

NOIDs Weekly Report

Statutory Notification of Infectious Diseases

Causative Agents

2021/49

Week ending 12/12/2021

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

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

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

Week notification received	2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Arboviruses						
West nile virus	-	-	-	-	1	-
Bacillus						
Bacillus cereus	19	20	12	26	19	17
Bordetella						
Bordetella pertussis	1	1	2	2	2	-
Borrelia						
Borrelia burgdorferi	22	21	11	17	26	14
Borrelia tillae	1	1	-	1	1	2
Campylobacter						
Campylobacter coli	39	29	21	29	19	15
Campylobacter fetus	-	-	1	-	1	-
Campylobacter hyointestinalis	-	-	1	-	-	-
Campylobacter jejuni	249	268	258	241	250	193
Campylobacter sp	818	806	771	753	725	694
Campylobacter sputorum	-	1	-	-	-	-
Campylobacter upsaliensis	1	-	-	1	2	-
Campylobacter ureolyticus (bacteroides corrodens)	1	-	-	-	-	-
Chikungunya virus						
Chikungunya virus	-	-	2	1	1	-
Clostridium						
Clostridium perfringens	19	22	34	43	23	27
Coronavirus						
Coronavirus	87	94	121	120	121	120
Human coronavirus 229e	-	-	1	-	-	-
SARS coronavirus	1	-	-	-	-	-
SARS-CoV-2 antibody indeterminate	118	131	255	220	305	172
SARS-CoV-2 antibody void	5263	111	61	126	62	83
SARS-CoV-2 coronavirus (covid-19)	193829	218152	240054	253644	279175	305779
SARS-CoV-2 coronavirus (covid-19) indeterminate	7154	4724	4809	4567	4317	4401
SARS-CoV-2 coronavirus (covid-19) negative	-	-	-	-	2	9

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

Week notification received	2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
SARS-CoV-2 coronavirus (covid-19) void	-	-	-	-	1	1
SARS-CoV-2 IgA antibody negative	1	-	1	-	-	-
SARS-CoV-2 IgA antibody positive	1	1	-	-	-	-
SARS-CoV-2 IgG antibody negative	1928	4940	2137	2220	2503	1948
SARS-CoV-2 IgG antibody positive	4263	4058	7811	4409	5024	4245
SARS-CoV-2 IgM antibody negative	8	13	59	59	44	33
SARS-CoV-2 IgM antibody positive	4	2	-	3	3	2
SARS-CoV-2 total antibody negative	38627	3171	6772	4735	3421	4008
SARS-CoV-2 total antibody positive	31016	5873	8222	9162	6509	5936
Corynebacterium						
Corynebacterium diphtheriae	-	-	-	1	2	1
Corynebacterium ulcerans	-	1	-	-	-	-
Coxiella						
Coxiella burnetii	1	-	1	-	-	-
Cryptosporidium						
Cryptosporidium hominis	1	3	3	-	-	-
Cryptosporidium parvum	47	61	72	40	32	5
Cryptosporidium sp	46	54	35	43	33	40
Entamoeba						
Entamoeba histolytica	-	2	-	3	1	1
Escherichia						
Escherichia coli O 157	6	5	7	10	10	4
Flaviviruses						
Dengue virus	2	1	2	3	2	-
Haemophilus						
Haemophilus influenzae	53	39	37	56	46	49

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

Week notification received	2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Hepatitis viruses						
Hepatitis A	2	7	12	8	7	9
Hepatitis B	153	148	166	128	157	123
Hepatitis C	340	346	351	366	229	216
Hepatitis D	2	1	2	2	1	3
Hepatitis E	22	24	14	23	16	24
Influenza virus						
Influenza A	97	101	122	152	222	237
Influenza B	74	98	95	99	84	55
Influenza indeterminate	1	1	-	3	2	6
Influenza ungrouped	5	3	8	5	6	-
Legionella						
Legionella pneumophila	4	4	6	3	5	2
Legionella sp	1	3	3	3	-	4
Listeria						
Listeria monocytogenes	7	4	3	1	2	5
Mycobacterium						
Mycobacterium tuberculosis	43	73	68	44	62	37
Neisseria						
Neisseria meningitidis	15	9	12	10	10	5
Paramyxoviruses						
Measles virus	-	-	4	-	-	1
Mumps virus	-	-	1	-	2	-
Plasmodium						
Plasmodium falciparum	3	13	2	3	2	-
Polyomavirus						
Polyomavirus BK	34	30	30	27	33	20
Polyomavirus JC	-	-	5	1	5	3
Rickettsia						
Rickettsia sp	-	-	1	-	1	-
Rubella virus						
Rubella virus	1	1	1	3	1	3

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

Week notification received	2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Salmonella						
Other salmonellas	37	24	38	38	24	15
Salmonella enteritidis	24	29	31	22	11	7
Salmonella infantis	7	5	6	-	-	-
Salmonella mbandaka	-	-	6	-	-	-
Salmonella newport	-	5	-	-	-	-
Salmonella sp	17	16	29	19	57	75
Salmonella typhi and paratyphi	5	6	5	8	-	-
Salmonella typhimurium	17	40	35	34	7	9
Shigella						
Shigella boydii	1	-	-	-	-	-
Shigella dysenteriae	1	-	-	-	-	-
Shigella flexneri	10	13	12	11	8	7
Shigella sonnei	7	6	19	10	11	9
Shigella sp	19	20	22	14	34	17
Streptococcus						
Streptococcus group A	13	22	26	15	23	25
Streptococcus pneumoniae	109	118	98	78	121	109
Vibrio						
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		2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Citrobacter							
Citrobacter spp	KPC	-	-	2	-	1	-
	NDM	-	1	-	1	-	-
	OXA48	-	1	2	-	-	-
	VIM	-	-	1	-	-	-
Enterobacter							
Enterobacter cloacae complex	IMP	-	-	-	1	-	-
	KPC	2	2	2	-	3	-
	NDM	-	1	1	-	-	-
	OXA48	3	5	1	2	1	-
Other enterobacter spp	KPC	1	-	-	-	-	-
	OXA48	-	-	1	-	-	-
Escherichia							
Escherichia coli	KPC	2	2	1	2	-	-
	NDM	4	6	1	1	2	-
	OXA48	6	8	3	4	4	1
	VIM	1	-	-	-	1	-
	Other	-	1	-	1	-	-
Escherichia hermannii	KPC	-	-	-	1	-	-
Escherichia other named	OXA48	-	1	1	-	-	-
Klebsiella							
Klebsiella oxytoca	KPC	-	1	1	-	-	-
	NDM	-	-	1	-	-	-
	OXA48	-	1	-	-	-	-
Klebsiella pneumoniae	IMP	-	3	-	-	-	-
	KPC	2	3	3	3	2	-
	NDM	1	2	3	2	1	3
	OXA48	7	7	6	4	5	2
	Other	-	-	2	-	1	-
Other klebsiella spp	NDM	-	-	-	1	-	-

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

Week notification received		2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Leclercia							
Leclercia adecarboxylata	KPC	-	-	-	2	-	-
Morganella							
Morganella morganii	OXA48	-	-	1	-	-	-
	Other	-	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		2021/44	2021/45	2021/46	2021/47	2021/48	2021/49
Acinetobacter							
Acinetobacter spp	Other	-	-	-	1	-	-
Pseudomonas							
Pseudomonas aeruginosa	IMP	-	-	4	-	-	-
	Other	1	-	3	1	1	-
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