



UK Health
Security
Agency

NOIDs Weekly Report

Statutory Notification of Infectious Diseases

Causative Agents

2021/50

Week ending 19/12/2021

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

Bacillus anthracis	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	2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Arboviruses						
West Nile virus	-	-	-	1	-	-
Bacillus						
Bacillus cereus	20	12	26	19	17	25
Bordetella						
Bordetella pertussis	1	2	2	2	-	-
Borrelia						
Borrelia burgdorferi	21	11	17	25	14	9
Borrelia tillae	1	-	1	1	2	-
Campylobacter						
Campylobacter coli	29	21	29	19	20	18
Campylobacter fetus	-	1	1	1	-	-
Campylobacter hyointestinalis	-	1	-	-	-	-
Campylobacter jejuni	269	257	241	250	227	179
Campylobacter sp	838	815	798	764	698	656
Campylobacter sputorum	1	-	-	-	-	-
Campylobacter upsaliensis	-	-	1	2	-	-
Chikungunya virus						
Chikungunya virus	-	2	1	1	-	2
Clostridium						
Clostridium perfringens	22	34	43	23	35	16
Coronavirus						
Coronavirus	94	122	121	122	128	97
Human coronavirus 229e	-	1	-	-	1	-
SARS coronavirus	-	-	-	1	2	1
SARS-CoV-2 antibody indeterminate	131	255	220	305	172	256
SARS-CoV-2 antibody void	111	61	126	62	78	91
SARS-CoV-2 coronavirus (covid-19)	218159	240073	253667	279183	304469	508308
SARS-CoV-2 coronavirus (covid-19) indeterminate	4726	4809	4567	4320	4440	4431
SARS-CoV-2 coronavirus (covid-19) negative	-	-	-	2	10	-
SARS-CoV-2 coronavirus (covid-19) void	-	-	-	2	1	-

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

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SARS-CoV-2 IgA antibody negative	-	1	-	-	-	-
SARS-CoV-2 IgA antibody positive	1	-	-	-	-	-
SARS-CoV-2 IgG antibody negative	4941	2137	2220	2504	1952	2350
SARS-CoV-2 IgG antibody positive	4066	7811	4409	5026	4249	4751
SARS-CoV-2 IgM antibody negative	13	59	59	44	33	1
SARS-CoV-2 IgM antibody positive	2	-	3	3	2	-
SARS-CoV-2 total antibody negative	3171	6773	4735	3422	4010	2860
SARS-CoV-2 total antibody positive	5873	8229	9162	6509	5941	5763
Corynebacterium						
Corynebacterium diphtheriae	-	-	1	2	1	3
Corynebacterium ulcerans	1	-	-	-	-	-
Coxiella						
Coxiella burnetii	-	1	-	-	-	-
Cryptosporidium						
Cryptosporidium hominis	3	3	-	1	1	-
Cryptosporidium parvum	67	70	41	53	25	22
Cryptosporidium sp	54	35	43	27	21	54
Entamoeba						
Entamoeba histolytica	2	-	3	1	1	3
Escherichia						
Escherichia coli O 157	5	7	10	11	5	2
Flaviviruses						
Dengue virus	1	2	3	2	-	2
Haemophilus						
Haemophilus influenzae	39	37	56	46	55	52

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

Week notification received	2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Hepatitis viruses						
Hepatitis A	7	12	8	7	9	6
Hepatitis B	152	168	132	174	141	117
Hepatitis C	346	352	368	232	217	408
Hepatitis D	1	2	2	1	3	4
Hepatitis E	24	14	23	16	24	18
Influenza virus						
Influenza A	101	122	152	221	237	223
Influenza B	98	95	99	83	55	65
Influenza indeterminate	1	-	3	2	6	-
Influenza ungrouped	3	8	5	6	-	1
Legionella						
Legionella pneumophila	4	6	3	5	2	3
Legionella sp	3	3	3	-	4	1
Listeria						
Listeria monocytogenes	4	3	1	2	5	3
Mycobacterium						
Mycobacterium tuberculosis	73	68	44	65	43	39
Neisseria						
Neisseria meningitidis	9	12	10	10	6	14
Paramyxoviruses						
Measles virus	-	4	-	-	1	1
Mumps virus	-	1	-	2	-	3
Plasmodium						
Plasmodium falciparum	13	2	3	2	-	10
Plasmodium ovale	-	-	-	-	-	2
Plasmodium vivax	-	-	-	-	-	1
Polyomavirus						
Polyomavirus BK	30	30	27	33	20	30
Polyomavirus JC	-	5	1	5	3	2
Rickettsia						
Rickettsia sp	-	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	2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Rubella virus						
Rubella virus	1	1	3	1	3	3
Salmonella						
Other salmonellas	24	39	45	31	15	8
Salmonella enteritidis	28	31	24	17	7	5
Salmonella infantis	5	6	-	-	-	-
Salmonella mbandaka	-	6	-	-	-	-
Salmonella newport	5	-	-	-	-	-
Salmonella sp	16	29	7	33	73	60
Salmonella typhi and paratyphi	6	5	8	5	5	-
Salmonella typhimurium	41	35	37	13	9	5
Shigella						
Shigella dysenteriae	-	-	-	-	-	1
Shigella flexneri	13	12	11	10	9	4
Shigella sonnei	6	19	11	13	9	5
Shigella sp	20	22	13	30	16	27
Streptococcus						
Streptococcus group A	23	26	15	24	26	21
Streptococcus pneumoniae	119	98	79	121	116	86
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		2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Citrobacter							
Citrobacter spp	KPC	-	2	-	1	-	-
	NDM	1	-	1	-	1	-
	OXA48	1	2	-	-	2	-
	VIM	-	1	-	-	-	-
Enterobacter							
Enterobacter cloacae complex	IMP	-	-	1	-	-	-
	KPC	2	2	-	3	2	-
	NDM	1	1	-	-	-	-
	OXA48	5	1	5	1	-	-
Other enterobacter spp	OXA48	-	1	-	-	-	-
Escherichia							
Escherichia coli	IMP	-	-	-	-	1	-
	KPC	2	1	2	-	4	-
	NDM	6	1	1	3	-	1
	OXA48	8	3	5	5	2	-
	VIM	-	-	1	1	-	-
	Other	1	-	1	-	-	1
Escherichia hermannii	KPC	-	-	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		2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Klebsiella							
Klebsiella oxytoca	KPC	1	1	-	-	-	-
	NDM	-	1	-	-	-	-
	OXA48	1	-	-	-	-	-
Klebsiella pneumoniae	IMP	3	-	-	-	-	-
	KPC	4	3	4	2	3	1
	NDM	2	3	2	2	4	-
	OXA48	7	6	5	5	3	-
	VIM	-	-	-	-	1	-
	Other	-	2	-	1	-	-
Other klebsiella spp	NDM	-	-	1	-	-	-
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		2021/45	2021/46	2021/47	2021/48	2021/49	2021/50
Acinetobacter							
Acinetobacter spp	Other	-	-	1	-	-	-
Pseudomonas							
Pseudomonas aeruginosa	IMP	-	4	-	1	-	-
	VIM	-	-	-	-	1	-
	Other	-	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