



UK Health
Security
Agency

NOIDs Weekly Report

Statutory Notification of Infectious Diseases

Causative Agents

2021/51

Week ending 26/12/2021

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	2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Arboviruses						
West Nile virus	-	-	1	-	-	-
Bacillus						
Bacillus cereus	12	26	19	17	29	12
Bordetella						
Bordetella pertussis	2	2	2	-	-	-
Borrelia						
Borrelia burgdorferi	11	17	26	15	9	17
Borrelia tillae	-	1	1	2	-	3
Campylobacter						
Campylobacter coli	21	29	19	20	22	18
Campylobacter curvus	-	-	-	-	-	1
Campylobacter fetus	1	1	1	-	-	-
Campylobacter hyointestinalis	1	-	-	-	-	-
Campylobacter jejuni	257	241	262	238	213	194
Campylobacter sp	817	799	762	708	650	687
Campylobacter upsaliensis	-	1	2	-	-	2
Chikungunya virus						
Chikungunya virus	2	1	1	-	2	1
Clostridium						
Clostridium perfringens	34	43	23	35	23	19
Coronavirus						
Coronavirus	122	122	122	130	100	93
Human coronavirus 229e	1	-	-	1	-	1
Mers coronavirus	-	-	-	2	-	-
SARS coronavirus	-	-	1	2	1	-
SARS-CoV-2 antibody indeterminate	255	220	305	172	256	144
SARS-CoV-2 antibody void	61	126	62	78	91	84
SARS-CoV-2 coronavirus (covid-19)	240076	253668	279239	304577	505870	696853
SARS-CoV-2 coronavirus (covid-19) indeterminate	4809	4567	4320	4451	4461	5428
SARS-CoV-2 coronavirus (covid-19) negative	-	-	2	10	-	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 coronavirus (covid-19) void	-	-	2	1	-	1
SARS-CoV-2 IgA antibody negative	1	-	-	-	-	-
SARS-CoV-2 IgG antibody negative	2137	2220	2504	1952	2350	2059
SARS-CoV-2 IgG antibody positive	7811	4409	5026	4249	4752	4210
SARS-CoV-2 IgM antibody negative	59	59	44	33	1	1
SARS-CoV-2 IgM antibody positive	-	3	3	2	-	-
SARS-CoV-2 total antibody negative	6780	4739	3422	4014	2876	3640
SARS-CoV-2 total antibody positive	8235	9164	6509	5944	5777	6125
Corynebacterium						
Corynebacterium diphtheriae	-	1	2	1	3	-
Coxiella						
Coxiella burnetii	1	-	-	-	-	-
Cryptosporidium						
Cryptosporidium hominis	3	-	1	1	-	1
Cryptosporidium parvum	70	44	55	26	34	5
Cryptosporidium sp	35	40	27	21	44	30
Entamoeba						
Entamoeba histolytica	-	3	1	1	3	-
Escherichia						
Escherichia coli O 157	8	10	11	6	2	-
Flaviviruses						
Dengue virus	2	3	2	-	2	2
Haemophilus						
Haemophilus influenzae	37	56	45	56	60	40
Hepatitis viruses						
Hepatitis A	12	8	9	9	6	7
Hepatitis B	170	141	181	152	135	133
Hepatitis C	352	369	235	228	424	365
Hepatitis D	2	2	1	3	4	-
Hepatitis E	14	23	16	25	19	25

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

Week notification received	2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Influenza virus						
Influenza A	122	152	223	255	237	185
Influenza B	95	99	85	67	78	29
Influenza indeterminate	-	3	2	6	-	4
Influenza ungrouped	8	5	6	-	1	6
Legionella						
Legionella pneumophila	6	3	5	2	3	5
Legionella sp	3	3	-	4	1	2
Listeria						
Listeria monocytogenes	3	1	2	5	3	3
Mycobacterium						
Mycobacterium tuberculosis	68	46	66	45	41	46
Neisseria						
Neisseria meningitidis	12	10	10	6	14	11
Paramyxoviruses						
Measles virus	4	-	-	1	1	-
Mumps virus	1	-	2	-	3	1
Plasmodium						
Plasmodium falciparum	2	3	2	-	10	2
Plasmodium ovale	-	-	-	-	2	-
Plasmodium vivax	-	-	-	-	1	-
Polyomavirus						
Polyomavirus BK	30	27	33	20	30	36
Polyomavirus JC	5	1	5	3	2	3
Rickettsia						
Rickettsia sp	1	-	1	-	-	-
Rubella virus						
Rubella virus	1	3	1	3	3	2
Salmonella						
Other salmonellas	39	45	43	39	25	31
Salmonella enteritidis	31	24	25	23	16	6
Salmonella infantis	6	-	-	-	-	-
Salmonella mbandaka	6	-	-	5	-	-

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

Week notification received	2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Salmonella newport	-	-	-	6	-	-
Salmonella sp	29	7	11	8	28	48
Salmonella typhi and paratyphi	5	8	5	5	-	5
Salmonella typhimurium	35	37	16	22	10	11
Shigella						
Shigella dysenteriae	-	-	-	-	1	-
Shigella flexneri	12	11	13	10	5	7
Shigella sonnei	19	11	14	11	9	7
Shigella sp	22	13	26	12	22	13
Streptococcus						
Streptococcus group A	26	15	24	26	25	25
Streptococcus pneumoniae	98	79	121	117	91	97
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		2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Citrobacter							
Citrobacter spp	KPC	2	-	1	-	-	-
	NDM	-	1	-	1	-	-
	OXA48	2	-	-	2	1	-
	VIM	1	-	-	-	-	-
Enterobacter							
Enterobacter cloacae complex	IMP	-	1	-	-	-	-
	KPC	2	-	3	2	-	-
	NDM	1	1	-	-	-	-
	OXA48	1	5	1	2	1	-
Other enterobacter spp	OXA48	1	-	-	-	-	-
Escherichia							
Escherichia coli	IMP	-	-	-	1	-	-
	KPC	1	2	-	4	1	-
	NDM	1	1	3	-	3	-
	OXA48	3	5	6	2	2	1
	VIM	-	1	1	-	-	-
	Other	-	1	-	-	1	-
Escherichia hermannii	KPC	-	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		2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Klebsiella							
Klebsiella aerogenes	NDM	-	-	-	-	1	-
Klebsiella oxytoca	KPC	1	-	-	-	1	-
	NDM	1	-	-	-	-	-
	OXA48	-	-	-	-	1	-
Klebsiella pneumoniae	KPC	3	4	2	3	2	-
	NDM	3	2	2	5	1	1
	OXA48	6	6	5	3	1	-
	VIM	-	-	-	1	-	-
	Other	2	-	1	-	-	-
Other klebsiella spp	NDM	-	1	-	-	-	-
Leclercia							
Leclercia adecarboxylata	KPC	-	2	-	-	-	-
Morganella							
Morganella morganii	OXA48	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		2021/46	2021/47	2021/48	2021/49	2021/50	2021/51
Acinetobacter							
Acinetobacter spp	Other	-	1	-	-	-	-
Pseudomonas							
Pseudomonas aeruginosa	IMP	4	-	1	-	-	-
	VIM	-	-	-	1	-	-
	Other	3	1	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