



## Infectious Disease Notifications in Ireland, 2019 - 2021



Figures are provisional for: 2021

**Figures may differ from those previously published, due to ongoing updating of notification data on CIDR. These figures were extracted from the Computerised Infectious Disease Reporting (CIDR) System on: 03/01/2023**

Figures for the EARS-Net pathogens (*Escherichia coli*, Enterococci, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa* and *Staphylococcus aureus*) and certain sexually transmitted infections (specifically, ano-genital warts and non-specific urethritis) are not provided here, as these diseases were not notified via the CIDR system during the above period.

**Table 1. Number of Infectious Disease Notifications in Ireland, all case classifications: 2019 - 2021**  
as specified under Infectious Diseases (Amendment) Regulations 2020 (S.I. No. 53)

	2019	2020	2021
Acute anterior poliomyelitis	0	0	0
Anthrax	0	0	0
Bacillus cereus food-borne infection or intoxication	1	1	0
Bacterial meningitis (not otherwise specified)	19	18	12
Botulism	0	0	0
Brucellosis	0	0	0
Campylobacter infection	2777	2431	3147
Carbapenem-resistant Enterobacteriaceae infection (invasive)	17	9	10
Chancroid	0	0	0
Chickenpox - hospitalised cases	93	25	23
Chikungunya disease	1	0	0
Chlamydia trachomatis infection ^	9171	6952	7221
Cholera	0	0	0
Clostridium difficile infection	2291	1727	1766
Clostridium perfringens (type A) food-borne disease	1	3	0
COVID-19 ‡	0	102348	672493
Creutzfeldt Jakob disease *	5	6	10
Creutzfeldt Jakob disease (variant) *	0	0	0
Cryptosporidiosis	605	512	845
Cytomegalovirus infection (congenital)	12	23	17
Dengue fever	18	3	2
Diphtheria	0	0	0
Echinococcosis	0	0	1
Giardiasis	252	163	160
Gonorrhoea	2805	2067	2099
Granuloma inguinale	0	0	0
Haemophilus influenzae disease (invasive)	63	31	18
Hepatitis A (acute)	52	37	82
Hepatitis B (acute and chronic)	526	338	428
Hepatitis C	473	325	420
Hepatitis E #	73	77	58
Herpes simplex (genital)	1690	1133	1306
Herpes simplex (neonatal)	3	4	4
Human immunodeficiency virus infection §	529	439	400
Influenza	11256	7776	39
Legionellosis	24	14	7
Leprosy	0	1	1
Leptospirosis	25	26	16
Listeriosis	18	6	16
Lyme disease	6	14	4
Lymphogranuloma venereum	39	12	13
Malaria	81	15	39
Measles	64	6	0

	2019	2020	2021
Meningococcal disease	71	22	10
Monkeypox infection	N/A	N/A	N/A
Mumps	2761	2919	109
Noroviral infection ^	1363	544	439
Outbreak	0	0	0
Paratyphoid	1	1	0
Pertussis	165	66	5
Plague	0	0	0
Q fever	2	2	0
Rabies	0	0	0
Respiratory syncytial virus infection ^	4159	1947	4380
Rotavirus infection ^	963	158	166
Rubella	0	2	0
Salmonellosis	355	219	173
Severe Acute Respiratory Syndrome (SARS)	0	0	0
Shigellosis	171	74	70
Smallpox	0	0	0
Staphylococcal food poisoning	0	0	0
Streptococcus group A infection (invasive)	108	43	34
Streptococcus group B infection (invasive)	59	34	43
Streptococcus pneumoniae infection (invasive) **	420	249	177
Syphilis *^	786	605	715
Tetanus	0	0	0
Toxoplasmosis	47	21	19
Trichinosis	0	0	0
Trichomoniasis	64	39	28
Tuberculosis	259	237	210
Tularemia	0	0	0
Typhoid	27	2	9
Typhus	0	0	0
Verotoxigenic Escherichia coli infection	871	822	968
Viral encephalitis	75	48	64
Viral haemorrhagic fevers	0	0	0
Viral meningitis	326	142	130
West Nile fever	0	0	0
Yellow fever	0	0	0
Yersiniosis	9	13	18
Zika virus infection †	0	2	0

NA: Indicates that data for the diseases and years indicated above are not available in CIDR.

^ Since 17/03/2013 events of Chlamydia trachomatis infection (genital), Noroviral infection, Respiratory syncytial virus infection & Rotavirus infection created by HSE East are 'fast-tracked' & refer to notifications rather than patients.

‡ COVID-19 became notifiable on 20/02/2020

\*Since the signing into law of the Infectious Disease (Amendment) Regulations 2018 on 18th December 2018, both suspected and confirmed cases of CJD and vCJD are notifiable; prior to this only confirmed cases were notifiable

\*^ The case definition for syphilis changed on 01/01/2014 and from this date, syphilis notifications include early (infectious) syphilis only. Updates to laboratory criteria in July 2016 increased the sensitivity of the reporting system. The case definition was further refined in Jan. 2019 to include probable cases

\*\* Streptococcus pneumoniae infection (invasive) figures relate to confirmed cases only since 1st July, 2015.

# Hepatitis E became notifiable on the 15/12/2015.

† Zika virus infection became notifiable on the 23/05/2016.

For more information on notifiable infectious diseases please see HPSC's Case Definitions document available at <http://www.hpsc.ie>



**Table 2. Infectious Disease Notifications in Ireland by case classification, 2021**

Case Classifications are assigned to notifications as per the relevant Case Definitions for Notifiable Diseases

	Confirmed	Probable	Possible	Total
Bacterial meningitis (not otherwise specified)	12	0	0	12
Campylobacter infection	3147	0	0	3147
Carbapenem-resistant Enterobacteriaceae infection (invasive)	10	0	0	10
Chickenpox - hospitalised cases	23	0	0	23
Chlamydia trachomatis infection ^	7221	0	0	7221
Clostridium difficile infection	1765	0	1	1766
COVID-19	672430	30	33	672493
Creutzfeldt Jakob disease	8	1	1	10
Cryptosporidiosis	838	7	0	845
Cytomegalovirus infection (congenital)	17	0	0	17
Giardiasis	160	0	0	160
Gonorrhoea	2099	0	0	2099
Haemophilus influenzae disease (invasive)	16	0	2	18
Hepatitis A (acute)	70	10	2	82
Hepatitis B (acute and chronic)	428	0	0	428
Hepatitis C	420	0	0	420
Hepatitis E	58	0	0	58
Herpes simplex (genital)	1302	4	0	1306
Human immunodeficiency virus infection	400	0	0	400
Influenza	38	0	1	39
Legionellosis	7	0	0	7
Leptospirosis	16	0	0	16
Listeriosis	16	0	0	16
Lymphogranuloma venereum	13	0	0	13
Malaria	39	0	0	39
Meningococcal disease	10	0	0	10
Mumps	42	2	65	109
Noroviral infection ^	438	1	0	439
Pertussis	3	0	2	5
Respiratory syncytial virus infection ^	4380	0	0	4380
Rotavirus infection ^	166	0	0	166
Salmonellosis	173	0	0	173
Shigellosis	59	11	0	70
Streptococcus group A infection (invasive)	34	0	0	34
Streptococcus group B infection (invasive)	43	0	0	43
Streptococcus pneumoniae infection (invasive)	177	0	0	177
Syphilis	701	14	0	715
Toxoplasmosis	19	0	0	19
Trichomoniasis	28	0	0	28
Tuberculosis	180	14	16	210
Typhoid	9	0	0	9
Verotoxigenic Escherichia coli infection	913	55	0	968
Viral encephalitis	64	0	0	64
Viral meningitis	129	1	0	130
Yersiniosis	18	0	0	18

Note: Infectious diseases with <5 cases are not presented here, see Summary Table on Page 2 of this report for details of these diseases.

^ Since 17/03/2013 events of Chlamydia trachomatis infection (genital), Noroviral infection, Respiratory syncytial virus infection & Rotavirus infection created by HSE East are 'fast-tracked' & refer to notifications rather than patients.



**Table 3. Infectious Disease Notifications in Ireland by Gender, 2021**

	Male	Female	Unknown	Not Specified	Total
Bacterial meningitis (not otherwise specified)	9	3	0	0	12
Campylobacter infection	1769	1352	3	23	3147
Carbapenem-resistant Enterobacteriaceae infection (invasive)	6	4	0	0	10
Chickenpox - hospitalised cases	15	8	0	0	23
Chlamydia trachomatis infection ^	3803	3372	31	15	7221
Clostridium difficile infection	725	1023	0	18	1766
COVID-19	330911	341512	70	0	672493
Creutzfeldt Jakob disease	1	8	0	1	10
Cryptosporidiosis	420	421	0	4	845
Cytomegalovirus infection (congenital)	8	9	0	0	17
Giardiasis	99	58	0	3	160
Gonorrhoea	1882	213	3	1	2099
Haemophilus influenzae disease (invasive)	8	10	0	0	18
Hepatitis A (acute)	34	48	0	0	82
Hepatitis B (acute and chronic)	265	156	7	0	428
Hepatitis C	297	121	2	0	420
Hepatitis E	39	18	0	1	58
Herpes simplex (genital)	404	893	9	0	1306
Human immunodeficiency virus infection	313	85	2	0	400
Influenza	23	15	0	1	39
Legionellosis	6	1	0	0	7
Leptospirosis	15	1	0	0	16
Listeriosis	6	10	0	0	16
Lymphogranuloma venereum	13	0	0	0	13
Malaria	29	10	0	0	39
Meningococcal disease	4	6	0	0	10
Mumps	52	57	0	0	109
Noroviral infection ^	225	211	0	3	439
Pertussis	2	3	0	0	5
Respiratory syncytial virus infection ^	2266	2108	1	5	4380
Rotavirus infection ^	97	69	0	0	166
Salmonellosis	79	88	0	6	173
Shigellosis	53	17	0	0	70
Streptococcus group A infection (invasive)	23	11	0	0	34
Streptococcus group B infection (invasive)	19	24	0	0	43
Streptococcus pneumoniae infection (invasive)	98	79	0	0	177
Syphilis	670	45	0	0	715
Toxoplasmosis	5	14	0	0	19
Trichomoniasis	0	26	0	2	28
Tuberculosis	135	74	0	1	210
Typhoid	5	4	0	0	9
Verotoxigenic Escherichia coli infection	486	472	0	10	968
Viral encephalitis	35	28	1	0	64
Viral meningitis	73	57	0	0	130
Yersiniosis	9	9	0	0	18

Note: Infectious diseases with <5 cases are not presented here, see Summary Table on Page 2 of this report for details of these diseases.

^ Since 17/03/2013 events of Chlamydia trachomatis infection (genital), Noroviral infection, Respiratory syncytial virus infection & Rotavirus infection created by HSE East are 'fast-tracked' & refer to notifications rather than patients.



**Table 4. Infectious Disease Notifications in Ireland by age group, 2021**

	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65+ yrs	Unkn own	Total
Bacterial meningitis (not otherwise specified)	9	0	0	0	0	0	1	1	0	1	0	12
Campylobacter infection	564	302	196	178	191	321	279	259	290	558	9	3147
Carbapenem-resistant Enterobacteriaceae infection (invasive)	0	0	0	0	0	1	0	0	5	4	0	10
Chickenpox - hospitalised cases	4	4	6	0	0	5	0	0	2	2	0	23
Chlamydia trachomatis infection ^	*	*	*	696	2808	2574	773	255	71	22	2	7221
Clostridium difficile infection	27	16	8	21	30	64	104	133	220	1142	1	1766
COVID-19	29520	49144	47793	52312	72884	119832	112897	83081	56213	48763	54	672493
Creutzfeldt Jakob disease	0	0	0	0	0	0	0	0	4	6	0	10
Cryptosporidiosis	334	194	118	68	27	63	30	0	4	5	2	845
Cytomegalovirus infection (congenital)	16	1	0	0	0	0	0	0	0	0	0	17
Giardiasis	22	6	2	1	6	25	21	23	19	35	0	160
Gonorrhoea	*	*	*	73	341	997	449	171	57	10	0	2099
Haemophilus influenzae disease (invasive)	2	2	0	0	0	4	1	1	1	7	0	18
Hepatitis A (acute)	6	17	15	11	8	8	7	4	2	2	2	82
Hepatitis B (acute and chronic)	0	2	0	5	21	134	152	64	35	15	0	428
Hepatitis C	4	4	1	0	11	90	117	102	61	29	1	420
Hepatitis E	0	0	0	0	4	6	7	20	11	10	0	58
Herpes simplex (genital)	*	*	*	135	335	464	186	108	46	28	1	1306
Human immunodeficiency virus infection	*	*	*	5	19	157	101	78	34	6	0	400
Influenza	5	1	1	2	9	11	2	3	2	3	0	39
Legionellosis	0	0	0	0	0	0	0	2	3	2	0	7
Leptospirosis	0	0	0	0	1	3	7	0	2	3	0	16
Listeriosis	1	0	0	0	0	2	0	1	5	7	0	16
Lymphogranuloma venereum	*	*	*	0	0	10	1	2	0	0	0	13
Malaria	1	0	1	1	1	9	11	9	6	0	0	39
Meningococcal disease	4	0	1	0	0	0	0	1	3	1	0	10
Mumps	8	11	5	7	6	21	20	19	7	5	0	109
Noroviral infection ^	257	27	9	5	11	12	17	11	20	69	1	439
Pertussis	3	0	0	1	0	0	0	1	0	0	0	5
Respiratory syncytial virus infection ^	3361	155	45	40	47	114	138	76	102	296	6	4380
Rotavirus infection ^	152	8	1	2	0	0	2	0	0	1	0	166
Salmonellosis	32	8	4	7	12	24	15	21	21	29	0	173
Shigellosis	7	3	2	0	3	21	18	9	5	2	0	70
Streptococcus group A infection (invasive)	1	3	0	1	0	4	11	6	4	4	0	34
Streptococcus group B infection (invasive)	43	0	0	0	0	0	0	0	0	0	0	43
Streptococcus pneumoniae infection (invasive)	26	2	3	1	4	10	18	23	25	65	0	177
Syphilis	*	*	*	10	67	313	200	78	43	3	0	715
Toxoplasmosis	0	0	0	3	0	7	5	1	1	2	0	19

	0-4 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65+ yrs	Unkn own	Total
Trichomoniasis	*	*	*	1	9	9	5	3	1	0	0	28
Tuberculosis	0	0	1	8	9	64	41	34	24	29	0	210
Typhoid	4	0	0	0	0	1	3	1	0	0	0	9
Verotoxigenic Escherichia coli infection	324	93	60	38	35	66	61	45	49	196	1	968
Viral encephalitis	0	0	1	1	3	6	7	5	9	32	0	64
Viral meningitis	56	0	1	7	10	14	14	4	4	20	0	130
Yersiniosis	1	0	0	1	0	1	2	0	2	11	0	18

Note: Infectious diseases with <5 cases are not presented here, see Summary Table on Page 2 of this report for details of these diseases.

\*Data for the age groups 0-4 years, 5-9 years and 10-14 years are not presented here, but data for the age group 0-14 years are available in the HIV and STI annual slide-set at <https://www.hpsc.ie/>

^ Since 17/03/2013 events of Chlamydia trachomatis infection (genital), Noroviral infection, Respiratory syncytial virus infection & Rotavirus infection created by HSE East are 'fast-tracked' & refer to notifications rather than patients.