



Infectious Disease Notifications in Ireland, 2018 - 2022



Figures are provisional for: 2022

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: 21/03/2023

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: 2018 - 2022
as specified under Infectious Diseases (Amendment) Regulations 2020 (S.I. No. 53)

	2018	2019	2020	2021	2022
Acute anterior poliomyelitis	0	0	0	0	0
Anthrax	0	0	0	0	0
Bacillus cereus food-borne infection or intoxication	0	1	1	0	3
Bacterial meningitis (not otherwise specified)	18	19	18	12	11
Botulism	0	0	0	0	2
Brucellosis	0	0	0	0	1
Campylobacter infection	3029	2777	2431	3147	3619
Carbapenem-resistant Enterobacteriaceae infection (invasive)	16	17	9	10	27
Chancroid	0	0	0	0	0
Chickenpox - hospitalised cases	99	93	25	23	76
Chikungunya disease	0	1	0	0	0
Chlamydia trachomatis infection ^	7928	9170	6947	7215	10954
Cholera	0	0	0	0	0
Clostridium difficile infection	2053	2291	1727	1764	2216
Clostridium perfringens (type A) food-borne disease	0	1	3	0	3
COVID-19 ‡	0	0	102346	672484	919597
Creutzfeldt Jakob disease *	9	5	6	10	6
Creutzfeldt Jakob disease (variant) *	0	0	0	0	0
Cryptosporidiosis	629	605	512	845	566
Cytomegalovirus infection (congenital)	17	12	23	17	24
Dengue fever	17	18	3	2	9
Diphtheria	0	0	0	0	0
Echinococcosis	2	0	0	1	1
Giardiasis	270	252	163	160	261
Gonorrhoea	2402	2805	2067	2098	4075
Granuloma inguinale	0	0	0	0	0
Haemophilus influenzae disease (invasive)	58	63	31	18	69
Hepatitis A (acute)	35	52	37	82	66
Hepatitis B (acute and chronic)	495	525	338	428	517
Hepatitis C	583	471	317	414	483
Hepatitis E #	74	73	77	58	39
Herpes simplex (genital)	1590	1690	1133	1305	1619
Herpes simplex (neonatal)	0	3	4	4	1
Human immunodeficiency virus infection §	522	529	438	400	889
Influenza	11705	11256	7776	39	10426
Legionellosis	26	24	14	7	26
Leprosy	0	0	1	1	1
Leptospirosis	19	25	26	16	13
Listeriosis	22	18	6	15	18
Lyme disease	13	6	14	4	4
Lymphogranuloma venereum	28	39	12	13	20
Malaria	59	81	15	39	53
Measles	76	64	5	0	2

	2018	2019	2020	2021	2022
Meningococcal disease	89	71	22	10	31
mpox *‡	0	0	0	0	229
Mumps	573	2761	2919	109	95
Noroviral infection ^	1246	1363	544	439	990
Outbreak	0	0	0	0	0
Paratyphoid	5	1	1	0	8
Pertussis	117	165	66	5	7
Plague	0	0	0	0	0
Q fever	0	2	2	0	0
Rabies	0	0	0	0	0
Respiratory syncytial virus infection ^	3595	4159	1947	4380	7130
Rotavirus infection ^	635	963	158	166	467
Rubella	0	0	2	0	0
Salmonellosis	363	355	219	173	342
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0	0
Shigellosis	111	171	74	70	157
Smallpox	0	0	0	0	0
Staphylococcal food poisoning	0	0	0	0	0
Streptococcus group A infection (invasive)	136	108	43	34	99
Streptococcus group B infection (invasive)	51	59	34	43	30
Streptococcus pneumoniae infection (invasive) **	510	420	249	177	375
Syphilis *^	506	786	605	715	895
Tetanus	0	0	0	0	0
Toxoplasmosis	32	47	21	19	16
Trichinosis	0	0	0	0	0
Trichomoniasis	64	64	39	28	71
Tuberculosis	306	259	237	210	221
Tularemia	0	0	0	0	0
Typhoid	11	27	2	9	31
Typhus	0	0	0	0	0
Verotoxigenic Escherichia coli infection	1113	871	822	962	1006
Viral encephalitis	84	75	48	64	37
Viral haemorrhagic fevers	0	0	0	0	0
Viral meningitis	336	326	142	130	319
West Nile fever	0	0	0	0	0
Yellow fever	0	0	0	0	0
Yersiniosis	8	9	13	18	17
Zika virus infection †	0	0	2	0	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 were 'fast-tracked' & refer to notifications rather than patients; this practice ceased for RSV on 21/06/2022 and for Chlamydia, Norovirus and Rotavirus notifications on 01/01/2023.

‡ 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.

Hepatitis E became notifiable on 15/12/2015.

*‡ mpox became notifiable on 27/05/2022.

** Streptococcus pneumoniae infection (invasive) figures relate to confirmed cases only since 01/07/2015.

*^ 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 January 2019 to include probable cases.

† 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 www.hpsc.ie



Table 2. Infectious Disease Notifications in Ireland by case classification, 2022

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

	Confirmed	Probable	Possible	Not Specified	Total
Bacterial meningitis (not otherwise specified)	10	0	1	0	11
Campylobacter infection	3617	2	0	0	3619
Carbapenem-resistant Enterobacteriaceae infection (invasive)	27	0	0	0	27
Chickenpox - hospitalised cases	74	0	2	0	76
Chlamydia trachomatis infection ^	10954	0	0	0	10954
Clostridium difficile infection	2215	0	0	1	2216
COVID-19	919401	74	122	0	919597
Creutzfeldt Jakob disease	3	3	0	0	6
Cryptosporidiosis	566	0	0	0	566
Cytomegalovirus infection (congenital)	24	0	0	0	24
Dengue fever	9	0	0	0	9
Giardiasis	260	1	0	0	261
Gonorrhoea	4074	1	0	0	4075
Haemophilus influenzae disease (invasive)	63	0	6	0	69
Hepatitis A (acute)	64	2	0	0	66
Hepatitis B (acute and chronic)	517	0	0	0	517
Hepatitis C	483	0	0	0	483
Hepatitis E	39	0	0	0	39
Herpes simplex (genital)	1610	9	0	0	1619
Human immunodeficiency virus infection	889	0	0	0	889
Influenza	10375	4	47	0	10426
Legionellosis	24	2	0	0	26
Leptospirosis	13	0	0	0	13
Listeriosis	18	0	0	0	18
Lymphogranuloma venereum	20	0	0	0	20
Malaria	53	0	0	0	53
Meningococcal disease	29	0	2	0	31
mpox	227	2	0	0	229
Mumps	48	7	40	0	95
Noroviral infection ^	989	0	0	1	990
Paratyphoid	8	0	0	0	8
Pertussis	6	0	1	0	7
Respiratory syncytial virus infection ^	7130	0	0	0	7130
Rotavirus infection ^	467	0	0	0	467
Salmonellosis	340	2	0	0	342
Shigellosis	130	26	1	0	157
Streptococcus group A infection (invasive)	96	3	0	0	99
Streptococcus group B infection (invasive)	30	0	0	0	30
Streptococcus pneumoniae infection (invasive)	375	0	0	0	375
Syphilis	878	17	0	0	895
Toxoplasmosis	16	0	0	0	16
Trichomoniasis	71	0	0	0	71
Tuberculosis	169	22	30	0	221
Typhoid	31	0	0	0	31
Verotoxigenic Escherichia coli infection	955	47	4	0	1006
Viral encephalitis	37	0	0	0	37
Viral meningitis	317	2	0	0	319
Yersiniosis	17	0	0	0	17

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, 2022

	Male	Female	Unknown	Not Specified	Total
Bacterial meningitis (not otherwise specified)	7	4	0	0	11
Campylobacter infection	2025	1590	3	1	3619
Carbapenem-resistant Enterobacteriaceae infection (invasive)	18	8	1	0	27
Chickenpox - hospitalised cases	49	27	0	0	76
Chlamydia trachomatis infection ^	5527	5381	38	8	10954
Clostridium difficile infection	919	1294	2	1	2216
COVID-19	409857	509637	103	0	919597
Creutzfeldt Jakob disease	2	4	0	0	6
Cryptosporidiosis	276	287	0	3	566
Cytomegalovirus infection (congenital)	11	11	2	0	24
Dengue fever	4	5	0	0	9
Giardiasis	173	88	0	0	261
Gonorrhoea	3382	680	10	3	4075
Haemophilus influenzae disease (invasive)	31	38	0	0	69
Hepatitis A (acute)	31	34	1	0	66
Hepatitis B (acute and chronic)	329	183	4	1	517
Hepatitis C	339	142	2	0	483
Hepatitis E	24	14	1	0	39
Herpes simplex (genital)	461	1152	6	0	1619
Human immunodeficiency virus infection	587	302	0	0	889
Influenza	4778	5625	20	3	10426
Legionellosis	12	13	0	1	26
Leptospirosis	9	4	0	0	13
Listeriosis	14	4	0	0	18
Lymphogranuloma venereum	19	1	0	0	20
Malaria	35	18	0	0	53
Meningococcal disease	19	12	0	0	31
mpox	228	1	0	0	229
Mumps	42	51	1	1	95
Noroviral infection ^	463	525	1	1	990
Paratyphoid	3	5	0	0	8
Pertussis	4	3	0	0	7
Respiratory syncytial virus infection ^	3499	3618	9	4	7130
Rotavirus infection ^	251	215	0	1	467
Salmonellosis	168	174	0	0	342
Shigellosis	116	41	0	0	157
Streptococcus group A infection (invasive)	60	38	0	1	99
Streptococcus group B infection (invasive)	18	11	1	0	30
Streptococcus pneumoniae infection (invasive)	214	160	1	0	375
Syphilis	839	56	0	0	895
Toxoplasmosis	1	15	0	0	16
Trichomoniasis	0	71	0	0	71
Tuberculosis	128	89	3	1	221
Typhoid	19	12	0	0	31
Verotoxigenic Escherichia coli infection	480	517	1	8	1006
Viral encephalitis	20	17	0	0	37
Viral meningitis	176	143	0	0	319
Yersiniosis	7	10	0	0	17

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, 2022

	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)	6	0	0	0	0	0	0	0	0	5	0	11
Campylobacter infection	602	203	132	181	241	451	336	400	388	679	6	3619
Carbapenem-resistant Enterobacteriaceae infection (invasive)	1	0	0	0	0	0	2	0	7	17	0	27
Chickenpox - hospitalised cases	10	7	1	2	6	16	9	3	8	14	0	76
Chlamydia trachomatis infection ^	*	0	*	930	4461	3842	1233	342	110	16	7	10954
Clostridium difficile infection	28	17	20	26	29	81	138	145	272	1458	2	2216
COVID-19	39393	43591	52131	51742	65853	151826	187705	143776	90655	92884	41	919597
Creutzfeldt Jakob disease	0	0	0	0	0	1	0	0	3	2	0	6
Cryptosporidiosis	221	110	44	42	45	52	29	8	8	7	0	566
Cytomegalovirus infection (congenital)	22	0	0	0	0	0	0	1	0	0	1	24
Dengue fever	0	0	0	0	0	2	2	1	3	1	0	9
Giardiasis	33	17	8	6	16	40	41	27	27	46	0	261
Gonorrhoea	*	0	0	305	1053	1650	746	216	86	16	1	4075
Haemophilus influenzae disease (invasive)	22	7	2	2	1	3	5	1	5	21	0	69
Hepatitis A (acute)	2	9	11	7	5	11	9	3	5	4	0	66
Hepatitis B (acute and chronic)	1	0	1	15	26	121	195	101	34	23	0	517
Hepatitis C	1	1	1	3	14	85	151	115	69	42	1	483
Hepatitis E	0	0	0	0	3	3	10	12	8	3	0	39
Herpes simplex (genital)	*	0	*	176	489	519	226	110	55	40	2	1619
Human immunodeficiency virus infection	*	*	*	6	48	331	293	150	45	8	1	889
Influenza	1058	670	390	615	702	1172	1046	890	976	2904	3	10426
Legionellosis	1	0	0	0	0	1	5	3	7	9	0	26
Leptospirosis	0	0	0	2	0	2	3	3	1	2	0	13
Listeriosis	2	0	0	0	0	0	0	1	0	15	0	18
Lymphogranuloma venereum	0	0	0	1	0	4	13	1	1	0	0	20
Malaria	0	1	4	5	3	6	6	18	9	0	1	53
Meningococcal disease	7	3	3	9	1	0	1	2	1	4	0	31
mpox	0	0	0	3	8	95	78	28	14	3	0	229
Mumps	9	9	6	10	6	7	16	15	10	6	1	95
Noroviral infection ^	417	60	32	17	24	42	37	31	33	297	0	990
Paratyphoid	2	1	0	0	1	3	0	1	0	0	0	8
Pertussis	3	1	2	0	0	0	1	0	0	0	0	7
Respiratory syncytial virus infection ^	3941	257	105	90	84	209	229	264	365	1584	2	7130
Rotavirus infection ^	351	90	5	1	0	4	0	2	7	7	0	467
Salmonellosis	72	24	15	10	18	50	31	51	31	40	0	342
Shigellosis	18	15	1	4	7	41	24	32	8	7	0	157
Streptococcus group A infection (invasive)	15	12	5	3	2	8	9	7	13	24	1	99
Streptococcus group B infection (invasive)	29	0	0	0	0	0	1	0	0	0	0	30
Streptococcus pneumoniae infection (invasive)	56	13	3	5	9	16	26	32	52	163	0	375

	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
Syphilis	*	0	*	7	98	350	259	119	52	8	0	895
Toxoplasmosis	0	0	0	0	1	2	5	3	1	4	0	16
Trichomoniasis	0	0	0	3	16	26	19	4	2	1	0	71
Tuberculosis	3	3	0	9	15	65	43	24	30	29	0	221
Typhoid	4	7	7	2	1	6	4	0	0	0	0	31
Verotoxigenic Escherichia coli infection	336	75	34	48	40	75	67	61	62	206	2	1006
Viral encephalitis	0	0	0	0	1	3	6	2	2	23	0	37
Viral meningitis	209	3	3	7	11	28	30	7	4	17	0	319
Yersiniosis	0	0	1	0	0	3	1	2	3	7	0	17

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.