



Infectious Disease Notifications in Ireland, 2019 - 2023



Figures are provisional for: 2023

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: 15/04/2024

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 - 2023
as specified under Infectious Diseases (Amendment) Regulations 2020 (S.I. No. 53)

	2019	2020	2021	2022	2023
Acute anterior poliomyelitis	0	0	0	0	0
Anthrax	0	0	0	0	0
Bacillus cereus food-borne infection or intoxication	1	1	0	3	0
Bacterial meningitis (not otherwise specified)	19	18	12	11	15
Botulism	0	0	0	2	0
Brucellosis	0	0	0	1	5
Campylobacter infection	2776	2430	3144	3613	3737
Carbapenem-resistant Enterobacteriaceae infection (invasive)	17	9	10	24	33
Chancroid	0	0	0	0	0
Chickenpox - hospitalised cases	93	25	23	75	170
Chikungunya disease	1	0	0	0	0
Chlamydia trachomatis infection ^	9163	6941	7206	10934	13712
Cholera	0	0	0	0	0
Clostridium difficile infection	2291	1727	1764	2213	2271
Clostridium perfringens (type A) food-borne disease	1	3	0	3	1
COVID-19 ‡	0	102346	672442	919508	35598
Creutzfeldt Jakob disease *	5	6	10	6	19
Creutzfeldt Jakob disease (variant) *	0	0	0	0	0
Cryptosporidiosis	605	512	845	566	870
Cytomegalovirus infection (congenital)	12	23	17	24	17
Dengue fever	18	3	2	9	20
Diphtheria	0	0	0	0	0
Echinococcosis	0	0	1	1	0
Giardiasis	252	163	160	261	324
Gonorrhoea	2799	2060	2093	4062	6813
Granuloma inguinale	0	0	0	0	0
Haemophilus influenzae disease (invasive)	63	31	18	69	74
Hepatitis A (acute)	52	37	82	66	46
Hepatitis B (acute and chronic)	524	337	421	509	588
Hepatitis C	471	316	414	480	538
Hepatitis E #	73	75	58	39	46
Herpes simplex (genital)	1690	1133	1305	1614	1687
Herpes simplex (neonatal)	3	4	4	1	1
Human immunodeficiency virus infection §	527	438	398	880	920
Influenza	11256	7776	39	10425	11827
Legionellosis	24	14	7	26	34
Leprosy	0	1	1	1	0
Leptospirosis	25	26	16	13	44
Listeriosis	18	6	15	18	18
Lyme disease	6	12	4	4	6
Lymphogranuloma venereum	40	14	17	28	37
Malaria	81	15	39	53	89
Measles	64	5	0	2	4

	2019	2020	2021	2022	2023
Meningococcal disease	71	22	10	31	42
Mpox infection	0	0	0	229	15
Mumps	2761	2919	109	94	133
Noroviral infection [^]	1363	544	439	990	1363
Outbreak	0	0	0	0	0
Paratyphoid	1	1	0	7	12
Pertussis	165	66	5	7	18
Plague	0	0	0	0	0
Q fever	2	2	0	0	4
Rabies	0	0	0	0	0
Respiratory syncytial virus infection [^]	4159	1947	4377	7129	7831
Rotavirus infection [^]	963	158	166	467	560
Rubella	0	1	0	0	0
Salmonellosis	355	219	173	342	406
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0	0
Shigellosis	170	74	70	157	225
Smallpox	0	0	0	0	0
Staphylococcal food poisoning	0	0	0	0	0
Streptococcus group A infection (invasive)	108	43	34	99	533
Streptococcus group B infection (invasive)	59	34	42	30	37
Streptococcus pneumoniae infection (invasive) ^{**}	420	249	177	375	433
Syphilis ^{*^}	785	604	715	886	929
Tetanus	0	0	0	0	0
Toxoplasmosis	47	21	19	16	20
Trichinosis	0	0	0	0	0
Trichomoniasis	63	38	28	70	70
Tuberculosis	257	235	206	207	224
Tularemia	0	0	0	0	1
Typhoid	27	2	9	31	15
Typhus	0	0	0	0	1
Verotoxigenic Escherichia coli infection	870	811	948	975	912
Viral encephalitis	75	48	64	37	62
Viral haemorrhagic fevers	0	0	0	0	0
Viral meningitis	326	142	131	319	318
West Nile fever	0	0	0	0	1
Yellow fever	0	0	0	0	0
Yersiniosis	9	13	18	17	30
Zika virus infection [†]	0	2	0	0	1

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.

^{\$} HIV notifications in this report represent the first time each (an) individual has a positive HIV test in Ireland. This will include people who have their first positive HIV test ever, and those who are living with HIV, having previously had a positive HIV test outside of Ireland. The HPSC annual HIV report provides further information where these data are separated further <https://www.hpsc.ie/a-z/hivandaids/hivdataandreports>

^{*‡} 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, 2023

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)	11	3	1	0	15
Brucellosis	5	0	0	0	5
Campylobacter infection	3736	1	0	0	3737
Carbapenem-resistant Enterobacteriaceae infection (invasive)	33	0	0	0	33
Chickenpox - hospitalised cases	138	7	25	0	170
Chlamydia trachomatis infection ^	13711	1	0	0	13712
Clostridium difficile infection	2271	0	0	0	2271
COVID-19	35469	50	78	0	35597
Creutzfeldt Jakob disease	7	10	2	0	19
Cryptosporidiosis	863	7	0	0	870
Cytomegalovirus infection (congenital)	16	1	0	0	17
Dengue fever	20	0	0	0	20
Giardiasis	323	1	0	0	324
Gonorrhoea	6813	0	0	0	6813
Haemophilus influenzae disease (invasive)	72	0	2	0	74
Hepatitis A (acute)	45	1	0	0	46
Hepatitis B (acute and chronic)	588	0	0	0	588
Hepatitis C	538	0	0	0	538
Hepatitis E	46	0	0	0	46
Herpes simplex (genital)	1683	4	0	0	1687
Human immunodeficiency virus infection	920	0	0	0	920
Influenza	11820	1	6	0	11827
Legionellosis	32	2	0	0	34
Leptospirosis	43	1	0	0	44
Listeriosis	18	0	0	0	18
Lyme disease	6	0	0	0	6
Lymphogranuloma venereum	37	0	0	0	37
Malaria	87	1	1	0	89
Meningococcal disease	41	0	1	0	42
Mpox infection	13	2	0	0	15
Mumps	39	19	75	0	133
Noroviral infection ^	1363	0	0	0	1363
Paratyphoid	12	0	0	0	12
Pertussis	12	2	4	0	18
Respiratory syncytial virus infection ^	7831	0	0	0	7831
Rotavirus infection ^	560	0	0	0	560
Salmonellosis	402	4	0	0	406
Shigellosis	187	38	0	0	225
Streptococcus group A infection (invasive)	506	27	0	0	533
Streptococcus group B infection (invasive)	37	0	0	0	37
Streptococcus pneumoniae infection (invasive)	433	0	0	0	433
Syphilis	915	14	0	0	929
Toxoplasmosis	20	0	0	0	20
Trichomoniasis	70	0	0	0	70
Tuberculosis	195	12	17	0	224
Typhoid	15	0	0	0	15
Verotoxigenic Escherichia coli infection	870	41	1	0	912
Viral encephalitis	60	0	2	0	62
Viral meningitis	313	3	1	1	318

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, 2023

	Male	Female	Unknown	Total
Bacterial meningitis (not otherwise specified)	6	9	0	15
Brucellosis	4	1	0	5
Campylobacter infection	2073	1663	1	3737
Carbapenem-resistant Enterobacteriaceae infection (invasive)	25	8	0	33
Chickenpox - hospitalised cases	93	77	0	170
Chlamydia trachomatis infection ^	6956	6748	8	13712
Clostridium difficile infection	955	1316	0	2271
COVID-19	15637	19960	0	35597
Creutzfeldt Jakob disease	9	10	0	19
Cryptosporidiosis	437	433	0	870
Cytomegalovirus infection (congenital)	9	8	0	17
Dengue fever	11	9	0	20
Giardiasis	215	109	0	324
Gonorrhoea	5244	1567	2	6813
Haemophilus influenzae disease (invasive)	34	39	1	74
Hepatitis A (acute)	21	25	0	46
Hepatitis B (acute and chronic)	390	196	2	588
Hepatitis C	377	160	1	538
Hepatitis E	26	20	0	46
Herpes simplex (genital)	487	1194	6	1687
Human immunodeficiency virus infection	600	320	0	920
Influenza	5609	6217	1	11827
Legionellosis	22	12	0	34
Leptospirosis	33	11	0	44
Listeriosis	7	11	0	18
Lyme disease	6	0	0	6
Lymphogranuloma venereum	37	0	0	37
Malaria	66	23	0	89
Meningococcal disease	20	22	0	42
Mpox infection	15	0	0	15
Mumps	61	72	0	133
Noroviral infection ^	655	708	0	1363
Paratyphoid	4	8	0	12
Pertussis	10	8	0	18
Respiratory syncytial virus infection ^	3957	3873	1	7831
Rotavirus infection ^	293	267	0	560
Salmonellosis	203	203	0	406
Shigellosis	163	62	0	225
Streptococcus group A infection (invasive)	304	228	1	533
Streptococcus group B infection (invasive)	18	19	0	37
Streptococcus pneumoniae infection (invasive)	242	191	0	433
Syphilis	855	72	2	929
Toxoplasmosis	10	10	0	20
Trichomoniasis	3	67	0	70
Tuberculosis	136	88	0	224
Typhoid	11	4	0	15
Verotoxigenic Escherichia coli infection	446	466	0	912
Viral encephalitis	35	27	0	62
Viral meningitis	168	150	0	318

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, 2023

	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	2	0	0	0	0	1	2	1	0	15
Brucellosis	0	0	0	0	0	1	1	0	2	1	0	5
Campylobacter infection	545	199	141	208	217	419	402	416	413	776	1	3737
Carbapenem-resistant Enterobacteriaceae infection (invasive)	0	0	1	1	0	2	2	1	7	19	0	33
Chickenpox - hospitalised cases	76	30	9	7	5	13	9	4	3	14	0	170
Chlamydia trachomatis infection ^	*	0	*	1449	5636	4515	1440	445	167	45	0	13712
Clostridium difficile infection	44	17	16	26	36	73	132	178	296	1451	2	2271
COVID-19	1698	259	248	479	953	3247	3954	3801	4004	16949	5	35597
Creutzfeldt Jakob disease	0	0	0	0	0	0	1	0	1	17	0	19
Cryptosporidiosis	328	136	47	61	44	102	105	22	11	14	0	870
Cytomegalovirus infection (congenital)	15	1	0	0	0	0	0	1	0	0	0	17
Dengue fever	1	0	0	1	4	10	2	2	0	0	0	20
Giardiasis	28	5	10	4	13	62	51	57	45	49	0	324
Gonorrhoea	0	*	*	650	1936	2460	1225	357	143	40	0	6813
Haemophilus influenzae disease (invasive)	22	4	2	1	1	3	2	4	6	29	0	74
Hepatitis A (acute)	1	1	12	3	7	9	6	4	1	2	0	46
Hepatitis B (acute and chronic)	0	0	1	7	25	157	221	120	42	15	0	588
Hepatitis C	0	1	2	1	16	93	159	129	94	43	0	538
Hepatitis E	0	0	0	0	0	7	10	9	13	7	0	46
Herpes simplex (genital)	*	*	*	169	443	596	245	120	65	42	1	1687
Human immunodeficiency virus infection	*	*	*	5	44	306	317	166	63	12	0	920
Influenza	1536	992	533	640	561	1275	1262	842	916	3269	1	11827
Legionellosis	0	0	0	0	0	1	4	4	7	18	0	34
Leptospirosis	0	1	1	2	3	6	10	8	11	2	0	44
Listeriosis	0	0	0	0	0	0	1	2	1	14	0	18
Lyme disease	0	1	1	0	0	0	2	0	2	0	0	6
Lymphogranuloma venereum	0	0	0	0	2	16	13	4	2	0	0	37
Malaria	0	1	5	5	7	17	14	19	17	4	0	89
Meningococcal disease	12	3	0	6	4	2	2	2	4	7	0	42
Mpox infection	0	0	0	0	1	6	4	3	1	0	0	15
Mumps	24	21	14	12	4	14	17	10	7	10	0	133
Noroviral infection ^	404	55	35	17	11	37	39	48	88	629	0	1363
Paratyphoid	1	1	0	1	1	4	0	2	1	1	0	12
Pertussis	10	1	0	2	1	0	2	0	2	0	0	18
Respiratory syncytial virus infection ^	5018	306	89	41	62	157	205	206	333	1414	0	7831
Rotavirus infection ^	442	87	8	3	1	1	3	2	0	13	0	560
Salmonellosis	62	18	13	17	28	64	48	45	42	68	1	406
Shigellosis	20	10	2	2	15	73	43	25	20	14	1	225
Streptococcus group A infection (invasive)	113	80	18	12	9	27	50	45	39	140	0	533

	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
Streptococcus group B infection (invasive)	36	0	0	0	0	0	0	0	0	1	0	37
Streptococcus pneumoniae infection (invasive)	41	24	5	4	4	12	31	47	56	209	0	433
Syphilis	0	0	0	6	75	366	292	115	67	8	0	929
Toxoplasmosis	0	0	0	0	1	4	5	3	3	4	0	20
Trichomoniasis	0	0	0	10	15	19	22	3	1	0	0	70
Tuberculosis	2	1	5	6	22	52	42	35	19	40	0	224
Typhoid	1	2	0	2	2	6	2	0	0	0	0	15
Verotoxigenic Escherichia coli infection	264	61	36	26	41	61	51	63	69	240	0	912
Viral encephalitis	10	1	2	0	3	7	9	2	11	17	0	62
Viral meningitis	188	6	1	16	7	37	34	6	12	11	0	318
Yersiniosis	2	0	0	2	0	1	2	1	2	20	0	30

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.