



## 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: 07/07/2022**

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	2432	3151
Carbapenem-resistant Enterobacteriaceae infection (invasive)	17	9	10
Chancroid	0	0	0
Chickenpox - hospitalised cases	93	26	23
Chikungunya disease	1	0	0
Chlamydia trachomatis infection ^	9174	6953	7238
Cholera	0	0	0
Clostridium difficile infection	2291	1727	1766
Clostridium perfringens (type A) food-borne disease	1	3	0
COVID-19 ‡	0	102354	672584
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	161
Gonorrhoea	2812	2068	2117
Granuloma inguinale	0	0	0
Haemophilus influenzae disease (invasive)	63	31	18
Hepatitis A (acute)	52	40	83
Hepatitis B (acute and chronic)	526	338	429
Hepatitis C	473	325	420
Hepatitis E #	73	77	58
Herpes simplex (genital)	1690	1133	1308
Herpes simplex (neonatal)	3	4	4
Human immunodeficiency virus infection §	530	442	403
Influenza	11256	7776	39
Legionellosis	24	14	7
Leprosy	0	1	1
Leptospirosis	25	26	16
Listeriosis	18	6	16
Lyme disease	6	15	4
Lymphogranuloma venereum	39	12	14
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	2921	109
Noroviral infection ^	1363	545	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	4382
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 *^	787	606	793
Tetanus	0	0	0
Toxoplasmosis	47	21	20
Trichinosis	0	0	0
Trichomoniasis	64	39	28
Tuberculosis	259	240	212
Tularemia	0	0	0
Typhoid	27	2	9
Typhus	0	0	0
Verotoxigenic Escherichia coli infection	872	826	975
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	19
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	Not Specified	Total
Bacterial meningitis (not otherwise specified)	12	0	0	0	12
Campylobacter infection	3151	0	0	0	3151
Carbapenem-resistant Enterobacteriaceae infection (invasive)	10	0	0	0	10
Chickenpox - hospitalised cases	23	0	0	0	23
Chlamydia trachomatis infection ^	7238	0	0	0	7238
Clostridium difficile infection	1765	0	1	0	1766
COVID-19	672518	33	33	0	672584
Creutzfeldt Jakob disease	8	1	1	0	10
Cryptosporidiosis	838	7	0	0	845
Cytomegalovirus infection (congenital)	17	0	0	0	17
Giardiasis	160	0	0	1	161
Gonorrhoea	2116	0	0	1	2117
Haemophilus influenzae disease (invasive)	16	0	2	0	18
Hepatitis A (acute)	71	10	2	0	83
Hepatitis B (acute and chronic)	429	0	0	0	429
Hepatitis C	420	0	0	0	420
Hepatitis E	58	0	0	0	58
Herpes simplex (genital)	1306	2	0	0	1308
Human immunodeficiency virus infection	403	0	0	0	403
Influenza	38	0	1	0	39
Legionellosis	7	0	0	0	7
Leptospirosis	16	0	0	0	16
Listeriosis	16	0	0	0	16
Lymphogranuloma venereum	13	1	0	0	14
Malaria	39	0	0	0	39
Meningococcal disease	10	0	0	0	10
Mumps	42	3	64	0	109
Noroviral infection ^	438	1	0	0	439
Pertussis	3	0	2	0	5
Respiratory syncytial virus infection ^	4382	0	0	0	4382
Rotavirus infection ^	166	0	0	0	166
Salmonellosis	173	0	0	0	173
Shigellosis	59	11	0	0	70
Streptococcus group A infection (invasive)	34	0	0	0	34
Streptococcus group B infection (invasive)	43	0	0	0	43
Streptococcus pneumoniae infection (invasive)	177	0	0	0	177
Syphilis	776	13	4	0	793
Toxoplasmosis	20	0	0	0	20
Trichomoniasis	28	0	0	0	28
Tuberculosis	181	15	16	0	212
Typhoid	9	0	0	0	9
Verotoxigenic Escherichia coli infection	918	57	0	0	975
Viral encephalitis	64	0	0	0	64
Viral meningitis	129	1	0	0	130
Yersiniosis	19	0	0	0	19

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	1354	4	24	3151
Carbapenem-resistant Enterobacteriaceae infection (invasive)	6	4	0	0	10
Chickenpox - hospitalised cases	15	8	0	0	23
Chlamydia trachomatis infection ^	3810	3370	33	25	7238
Clostridium difficile infection	725	1020	0	21	1766
COVID-19	330945	341544	95	0	672584
Creutzfeldt Jakob disease	1	8	0	1	10
Cryptosporidiosis	419	421	0	5	845
Cytomegalovirus infection (congenital)	8	9	0	0	17
Giardiasis	100	57	0	4	161
Gonorrhoea	1898	215	3	1	2117
Haemophilus influenzae disease (invasive)	8	10	0	0	18
Hepatitis A (acute)	34	49	0	0	83
Hepatitis B (acute and chronic)	266	155	8	0	429
Hepatitis C	297	121	2	0	420
Hepatitis E	39	18	0	1	58
Herpes simplex (genital)	407	891	10	0	1308
Human immunodeficiency virus infection	315	84	4	0	403
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	14	0	0	0	14
Malaria	29	10	0	0	39
Meningococcal disease	4	6	0	0	10
Mumps	51	57	0	1	109
Noroviral infection ^	224	211	0	4	439
Pertussis	2	3	0	0	5
Respiratory syncytial virus infection ^	2257	2106	3	16	4382
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	740	53	0	0	793
Toxoplasmosis	5	15	0	0	20
Trichomoniasis	0	26	0	2	28
Tuberculosis	135	76	0	1	212
Typhoid	5	4	0	0	9
Verotoxigenic Escherichia coli infection	485	474	1	15	975
Viral encephalitis	35	28	1	0	64
Viral meningitis	73	57	0	0	130
Yersiniosis	9	10	0	0	19

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	303	195	179	191	322	280	259	290	559	9	3151
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 ^	*	*	*	698	2818	2578	773	256	71	22	2	7238
Clostridium difficile infection	27	16	8	21	30	64	104	133	220	1142	1	1766
COVID-19	29524	49150	47798	52314	72894	119853	112908	83091	56221	48777	54	672584
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	24	19	35	0	161
Gonorrhoea	*	*	*	73	343	1003	455	174	58	10	0	2117
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	3	2	83
Hepatitis B (acute and chronic)	0	2	0	5	21	134	152	65	35	15	0	429
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	337	464	186	108	46	28	1	1308
Human immunodeficiency virus infection	*	*	*	5	20	158	102	78	34	6	0	403
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	3	0	0	0	14
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 ^	3363	155	45	40	47	114	138	76	102	296	6	4382
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	*	*	*	11	73	347	218	88	51	4	0	793
Toxoplasmosis	0	0	0	3	0	7	6	1	1	2	0	20

	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	65	41	34	24	30	0	212
Typhoid	4	0	0	0	0	1	3	1	0	0	0	9
Verotoxigenic Escherichia coli infection	325	93	60	38	36	68	61	45	50	198	1	975
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	12	0	19

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.