



Infectious Disease Notifications in Ireland, 2015 - 2018



Figures are provisional for: 2018

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: 19/01/2022

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: 2015 - 2018
as specified under Infectious Diseases (Amendment) Regulations 2020 (S.I. No. 53)

	2015	2016	2017	2018
Acute anterior poliomyelitis	0	0	0	0
Anthrax	0	0	0	0
Bacillus cereus food-borne infection or intoxication	1	0	1	0
Bacterial meningitis (not otherwise specified)	32	15	25	18
Botulism	0	0	0	0
Brucellosis	0	2	2	0
Campylobacter infection	2447	2511	2785	3029
Carbapenem-resistant Enterobacteriaceae infection (invasive)	8	14	14	16
Chancroid	0	0	0	0
Chickenpox - hospitalised cases	69	106	105	99
Chikungunya disease	1	1	0	0
Chlamydia trachomatis infection ^	6776	6875	7402	7930
Cholera	0	0	0	0
Clostridium difficile infection	1943	1871	1763	2053
Clostridium perfringens (type A) food-borne disease	1	0	1	0
COVID-19 ‡	0 n/a	0 n/a	0 n/a	0 n/a
Creutzfeldt Jakob disease *	5	5	9	9
Creutzfeldt Jakob disease (variant) *	0	0	0	0
Cryptosporidiosis	439	561	589	629
Cytomegalovirus infection (congenital)	15	20	10	17
Dengue fever	8	18	10	17
Diphtheria	1	1	0	0
Echinococcosis	0	2	0	2
Giardiasis	145	202	240	270
Gonorrhoea	1293	1954	2249	2402
Granuloma inguinale	0	0	0	0
Haemophilus influenzae disease (invasive)	52	58	45	58
Hepatitis A (acute)	36	38	66	35
Hepatitis B (acute and chronic)	546	486	523	495
Hepatitis C	669	636	607	583
Hepatitis E #	3	90	54	74
Herpes simplex (genital)	1274	1367	1552	1591
Herpes simplex (neonatal)	0	0	0	0
Human immunodeficiency virus infection §	482	502	488	522
Influenza	2679	4764	3369	11705
Legionellosis	12	10	25	26
Leprosy	0	1	0	0
Leptospirosis	16	26	20	19
Listeriosis	19	13	14	22
Lyme disease	11	21	12	13
Lymphogranuloma venereum	20	48	20	28
Malaria	81	88	77	59
Measles	2	43	25	76

	2015	2016	2017	2018
Meningococcal disease	74	87	76	89
Mumps	2012	491	291	573
Noroviral infection ^	1262	1829	1328	1246
Outbreak	0	0	0	0
Paratyphoid	1	7	6	5
Pertussis	117	213	263	117
Plague	0	0	0	0
Q fever	4	6	2	0
Rabies	0	0	0	0
Respiratory syncytial virus infection ^	2200	2690	2378	3595
Rotavirus infection ^	4156	2371	2305	635
Rubella	2	1	0	0
Salmonellosis	269	302	414	363
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0
Shigellosis	87	83	107	111
Smallpox	0	0	0	0
Staphylococcal food poisoning	0	0	3	0
Streptococcus group A infection (invasive)	107	148	130	136
Streptococcus group B infection (invasive)	69	65	75	51
Streptococcus pneumoniae infection (invasive) **	549	381	415	510
Syphilis *^	420	445	411	506
Tetanus	1	0	1	0
Toxoplasmosis	25	24	20	32
Trichinosis	0	0	0	0
Trichomoniasis	56	79	67	64
Tuberculosis	283	315	300	307
Tularemia	0	0	0	0
Typhoid	9	10	16	11
Typhus	0	0	0	0
Verotoxigenic Escherichia coli infection	730	839	923	1113
Viral encephalitis	47	61	71	84
Viral haemorrhagic fevers	0	0	0	0
Viral meningitis	261	299	259	336
West Nile fever	0	0	0	0
Yellow fever	0	0	0	0
Yersiniosis	13	3	6	8
Zika virus infection †	NA	13	4	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, 2018

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	5	2	0	18
Campylobacter infection	3029	0	0	0	3029
Carbapenem-resistant Enterobacteriaceae infection (invasive)	16	0	0	0	16
Chickenpox - hospitalised cases	68	0	31	0	99
Chlamydia trachomatis infection ^	7930	0	0	0	7930
Clostridium difficile infection	2053	0	0	0	2053
Creutzfeldt Jakob disease	9	0	0	0	9
Cryptosporidiosis	619	10	0	0	629
Cytomegalovirus infection (congenital)	17	0	0	0	17
Dengue fever	17	0	0	0	17
Giardiasis	270	0	0	0	270
Gonorrhoea	2402	0	0	0	2402
Haemophilus influenzae disease (invasive)	58	0	0	0	58
Hepatitis A (acute)	35	0	0	0	35
Hepatitis B (acute and chronic)	495	0	0	0	495
Hepatitis C	583	0	0	0	583
Hepatitis E	74	0	0	0	74
Herpes simplex (genital)	1575	16	0	0	1591
Human immunodeficiency virus infection	522	0	0	0	522
Influenza	11662	8	32	3	11705
Legionellosis	26	0	0	0	26
Leptospirosis	19	0	0	0	19
Listeriosis	22	0	0	0	22
Lyme disease	13	0	0	0	13
Lymphogranuloma venereum	28	0	0	0	28
Malaria	59	0	0	0	59
Measles	73	2	1	0	76
Meningococcal disease	86	0	3	0	89
Mumps	317	29	227	0	573
Noroviral infection ^	1245	0	0	1	1246
Paratyphoid	5	0	0	0	5
Pertussis	90	5	22	0	117
Respiratory syncytial virus infection ^	3595	0	0	0	3595
Rotavirus infection ^	635	0	0	0	635
Salmonellosis	349	14	0	0	363
Shigellosis	101	10	0	0	111
Streptococcus group A infection (invasive)	134	2	0	0	136
Streptococcus group B infection (invasive)	51	0	0	0	51
Streptococcus pneumoniae infection (invasive)	510	0	0	0	510
Syphilis	484	2	20	0	506
Toxoplasmosis	32	0	0	0	32
Trichomoniasis	64	0	0	0	64
Tuberculosis	235	32	40	0	307
Typhoid	10	1	0	0	11
Verotoxigenic Escherichia coli infection	976	136	1	0	1113
Viral encephalitis	84	0	0	0	84
Viral meningitis	334	1	1	0	336
Yersiniosis	8	0	0	0	8

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, 2018

	Male	Female	Unknown	Not Specified	Total
Bacterial meningitis (not otherwise specified)	10	8	0	0	18
Campylobacter infection	1777	1251	1	0	3029
Carbapenem-resistant Enterobacteriaceae infection (invasive)	12	4	0	0	16
Chickenpox - hospitalised cases	56	42	1	0	99
Chlamydia trachomatis infection ^	3955	3956	19	0	7930
Clostridium difficile infection	805	1248	0	0	2053
Creutzfeldt Jakob disease	3	6	0	0	9
Cryptosporidiosis	336	292	0	1	629
Cytomegalovirus infection (congenital)	12	5	0	0	17
Dengue fever	13	4	0	0	17
Giardiasis	157	113	0	0	270
Gonorrhoea	2010	391	1	0	2402
Haemophilus influenzae disease (invasive)	25	33	0	0	58
Hepatitis A (acute)	21	14	0	0	35
Hepatitis B (acute and chronic)	309	182	4	0	495
Hepatitis C	416	165	2	0	583
Hepatitis E	47	27	0	0	74
Herpes simplex (genital)	431	1158	2	0	1591
Human immunodeficiency virus infection	414	107	1	0	522
Influenza	5227	6471	7	0	11705
Legionellosis	18	8	0	0	26
Leptospirosis	17	2	0	0	19
Listeriosis	9	13	0	0	22
Lyme disease	7	6	0	0	13
Lymphogranuloma venereum	28	0	0	0	28
Malaria	39	20	0	0	59
Measles	50	26	0	0	76
Meningococcal disease	41	48	0	0	89
Mumps	305	268	0	0	573
Noroviral infection ^	616	629	1	0	1246
Paratyphoid	5	0	0	0	5
Pertussis	57	60	0	0	117
Respiratory syncytial virus infection ^	1831	1763	1	0	3595
Rotavirus infection ^	336	299	0	0	635
Salmonellosis	189	174	0	0	363
Shigellosis	69	42	0	0	111
Streptococcus group A infection (invasive)	75	61	0	0	136
Streptococcus group B infection (invasive)	31	19	1	0	51
Streptococcus pneumoniae infection (invasive)	245	265	0	0	510
Syphilis	483	23	0	0	506
Toxoplasmosis	9	23	0	0	32
Trichomoniasis	1	63	0	0	64
Tuberculosis	186	121	0	0	307
Typhoid	9	2	0	0	11
Verotoxigenic Escherichia coli infection	523	589	1	0	1113
Viral encephalitis	38	46	0	0	84
Viral meningitis	187	148	1	0	336
Yersiniosis	4	4	0	0	8

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.

	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 pneumoniae infection (invasive)	48	7	5	7	7	25	26	42	78	265	0	510
Syphilis	*	*	*	4	54	197	119	90	36	6	0	506
Toxoplasmosis	0	1	1	2	2	10	7	3	3	3	0	32
Trichomoniasis	*	*	*	0	7	26	23	4	4	0	0	64
Tuberculosis	4	1	2	13	17	64	61	47	34	64	0	307
Typhoid	2	3	1	2	1	0	2	0	0	0	0	11
Verotoxigenic Escherichia coli infection	392	69	51	42	44	93	91	65	76	189	1	1113
Viral encephalitis	6	0	3	3	4	5	8	5	8	42	0	84
Viral meningitis	229	6	6	32	7	24	18	4	2	7	1	336
Yersiniosis	3	1	1	0	0	0	1	0	0	2	0	8

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.