



Infectious Disease Notifications in Ireland, 2014 - 2019



Figures are provisional for: 2019

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: 20/10/2020

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: 2014 - 2019
as specified under Infectious Diseases (Amendment) Regulations 2018 (S.I. No. 567)

	2014	2015	2016	2017	2018	2019
Acute anterior poliomyelitis	0	0	0	0	0	0
Anthrax	0	0	0	0	0	0
Bacillus cereus food-borne infection or intoxication	0	1	0	1	0	1
Bacterial meningitis (not otherwise specified)	23	32	15	25	18	19
Botulism	1	0	0	0	0	0
Brucellosis	3	0	2	2	0	0
Campylobacter infection	2610	2447	2511	2785	3029	2777
Carbapenem-resistant Enterobacteriaceae infection (invasive)	5	8	14	14	16	17
Chancroid	0	0	0	0	0	0
Chickenpox - hospitalised cases	61	69	106	105	99	93
Chikungunya disease	1	1	1	0	0	1
Chlamydia trachomatis infection ^	6684	6776	6876	7402	7930	9174
Cholera	0	0	0	0	0	0
Clostridium difficile infection	1801	1943	1871	1763	2053	2291
Clostridium perfringens (type A) food-borne disease	0	1	0	1	0	1
COVID-19	0	0	0	0	0	0
Creutzfeldt Jakob disease *	2	5	5	9	9	5
Creutzfeldt Jakob disease (variant) *	0	0	0	0	0	0
Cryptosporidiosis	394	439	561	589	629	605
Cytomegalovirus infection (congenital)	12	15	20	10	17	13
Dengue fever	21	8	18	10	17	18
Diphtheria	0	1	1	0	0	0
Echinococcosis	0	0	2	0	2	0
Giardiasis	71	145	202	240	270	252
Gonorrhoea	1309	1293	1954	2249	2402	2812
Granuloma inguinale	0	0	0	0	0	0
Haemophilus influenzae disease (invasive)	61	52	58	45	58	63
Hepatitis A (acute)	21	36	38	66	35	52
Hepatitis B (acute and chronic)	442	546	486	523	495	526
Hepatitis C	690	670	637	607	584	474
Hepatitis E #	NA	3	90	54	74	73
Herpes simplex (genital)	1233	1274	1367	1553	1591	1691
Herpes simplex (neonatal)	0	0	0	0	0	3
Human immunodeficiency virus infection §	377	482	502	489	522	535
Influenza	1757	2679	4764	3369	11707	11256
Legionellosis	8	12	10	25	26	24
Leprosy	0	0	1	0	0	0
Leptospirosis	23	16	26	20	19	25
Listeriosis	15	19	13	14	22	18
Lyme disease	18	11	21	12	13	6
Lymphogranuloma venereum	35	20	48	20	28	39
Malaria	80	81	88	77	59	81
Measles	33	2	43	25	76	64

	2014	2015	2016	2017	2018	2019
Meningococcal disease	82	74	87	76	89	71
Mumps	742	2012	491	291	573	2761
Noroviral infection ^	806	1262	1829	1328	1246	1364
Paratyphoid	5	1	7	6	5	1
Pertussis	73	117	213	263	117	165
Plague	0	0	0	0	0	0
Q fever	0	4	6	2	0	2
Rabies	0	0	0	0	0	0
Respiratory syncytial virus infection ^	2479	2200	2690	2378	3595	4160
Rotavirus infection ^	2061	4156	2371	2305	635	963
Rubella	3	2	1	0	0	0
Salmonellosis	260	269	302	414	363	355
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0	0	0
Shigellosis	57	87	83	107	111	171
Smallpox	0	0	0	0	0	0
Staphylococcal food poisoning	0	0	0	3	0	0
Streptococcus group A infection (invasive)	164	107	148	130	136	108
Streptococcus group B infection (invasive)	68	69	65	75	51	59
Streptococcus pneumoniae infection (invasive) **	679	549	381	415	510	420
Syphilis *^	272	420	445	411	506	782
Tetanus	1	1	0	1	0	0
Toxoplasmosis	20	25	24	20	32	47
Trichinosis	0	0	0	0	0	0
Trichomoniasis	92	56	79	67	64	64
Tuberculosis	313	283	315	300	307	266
Tularemia	0	0	0	0	0	0
Typhoid	7	9	10	16	11	27
Typhus	0	0	0	0	0	0
Verotoxigenic Escherichia coli infection	706	730	839	923	1113	878
Viral encephalitis	67	47	61	71	84	75
Viral haemorrhagic fevers	0	0	0	0	0	0
Viral meningitis	435	261	299	259	336	326
West Nile fever	0	0	0	0	0	0
Yellow fever	0	0	0	0	0	0
Yersiniosis	5	13	3	6	8	9
Zika virus infection †	NA	NA	13	4	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 are 'fast-tracked' & refer to notifications rather than patients.

*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, 2019

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)	14	2	3	0	19
Campylobacter infection	2777	0	0	0	2777
Carbapenem-resistant Enterobacteriaceae infection (invasive)	17	0	0	0	17
Chickenpox - hospitalised cases	75	1	17	0	93
Chlamydia trachomatis infection ^	9173	0	0	0	9173
Clostridium difficile infection	2290	0	1	0	2291
Creutzfeldt Jakob disease	5	0	0	0	5
Cryptosporidiosis	600	5	0	0	605
Cytomegalovirus infection (congenital)	13	0	0	0	13
Dengue fever	18	0	0	0	18
Giardiasis	252	0	0	0	252
Gonorrhoea	2812	0	0	0	2812
Haemophilus influenzae disease (invasive)	63	0	0	0	63
Hepatitis A (acute)	50	1	1	0	52
Hepatitis B (acute and chronic)	526	0	0	0	526
Hepatitis C	474	0	0	0	474
Hepatitis E	73	0	0	0	73
Herpes simplex (genital)	1683	6	1	1	1691
Human immunodeficiency virus infection	535	0	0	0	535
Influenza	11247	1	8	0	11256
Legionellosis	24	0	0	0	24
Leptospirosis	17	8	0	0	25
Listeriosis	18	0	0	0	18
Lyme disease	6	0	0	0	6
Lymphogranuloma venereum	39	0	0	0	39
Malaria	81	0	0	0	81
Measles	42	7	15	0	64
Meningococcal disease	68	0	3	0	71
Mumps	1995	153	613	0	2761
Noroviral infection ^	1364	0	0	0	1364
Pertussis	135	6	24	0	165
Respiratory syncytial virus infection ^	4160	0	0	0	4160
Rotavirus infection ^	963	0	0	0	963
Salmonellosis	347	8	0	0	355
Shigellosis	121	50	0	0	171
Streptococcus group A infection (invasive)	106	2	0	0	108
Streptococcus group B infection (invasive)	59	0	0	0	59
Streptococcus pneumoniae infection (invasive)	420	0	0	0	420
Syphilis	745	37	0	0	782
Toxoplasmosis	47	0	0	0	47
Trichomoniasis	64	0	0	0	64
Tuberculosis	212	28	26	0	266
Typhoid	26	1	0	0	27
Verotoxigenic Escherichia coli infection	828	50	0	0	878
Viral encephalitis	74	0	1	0	75
Viral meningitis	325	0	1	0	326
Yersiniosis	9	0	0	0	9

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, 2019

	Male	Female	Unknown	Not Specified	Total
Bacterial meningitis (not otherwise specified)	12	6	1	0	19
Campylobacter infection	1535	1239	1	2	2777
Carbapenem-resistant Enterobacteriaceae infection (invasive)	7	10	0	0	17
Chickenpox - hospitalised cases	52	39	2	0	93
Chlamydia trachomatis infection ^	4639	4503	31	0	9173
Clostridium difficile infection	962	1329	0	0	2291
Creutzfeldt Jakob disease	3	2	0	0	5
Cryptosporidiosis	330	275	0	0	605
Cytomegalovirus infection (congenital)	6	6	1	0	13
Dengue fever	10	8	0	0	18
Giardiasis	145	107	0	0	252
Gonorrhoea	2349	459	4	0	2812
Haemophilus influenzae disease (invasive)	24	39	0	0	63
Hepatitis A (acute)	36	16	0	0	52
Hepatitis B (acute and chronic)	317	205	3	1	526
Hepatitis C	352	122	0	0	474
Hepatitis E	46	26	1	0	73
Herpes simplex (genital)	477	1211	3	0	1691
Human immunodeficiency virus infection	398	137	0	0	535
Influenza	5384	5861	8	3	11256
Legionellosis	14	10	0	0	24
Leptospirosis	20	5	0	0	25
Listeriosis	6	12	0	0	18
Lyme disease	5	1	0	0	6
Lymphogranuloma venereum	39	0	0	0	39
Malaria	40	38	0	3	81
Measles	34	30	0	0	64
Meningococcal disease	34	37	0	0	71
Mumps	1447	1301	12	1	2761
Noroviral infection ^	640	724	0	0	1364
Pertussis	72	93	0	0	165
Respiratory syncytial virus infection ^	2127	2030	3	0	4160
Rotavirus infection ^	486	477	0	0	963
Salmonellosis	189	166	0	0	355
Shigellosis	114	57	0	0	171
Streptococcus group A infection (invasive)	47	61	0	0	108
Streptococcus group B infection (invasive)	32	26	1	0	59
Streptococcus pneumoniae infection (invasive)	241	179	0	0	420
Syphilis	741	39	2	0	782
Toxoplasmosis	8	39	0	0	47
Trichomoniasis	0	64	0	0	64
Tuberculosis	160	105	0	1	266
Typhoid	16	11	0	0	27
Verotoxigenic Escherichia coli infection	414	463	0	1	878
Viral encephalitis	40	35	0	0	75
Viral meningitis	168	157	1	0	326
Yersiniosis	4	5	0	0	9

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, 2019

	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)	12	0	0	0	0	0	1	1	3	2	0	19
Campylobacter infection	427	148	105	151	179	378	303	265	279	532	10	2777
Carbapenem-resistant Enterobacteriaceae infection (invasive)	0	0	0	0	0	0	1	3	3	9	1	17
Chickenpox - hospitalised cases	39	15	3	3	3	9	8	5	4	4	0	93
Chlamydia trachomatis infection ^	*	*	*	1019	3626	3333	848	245	75	14	1	9173
Clostridium difficile infection	24	14	14	22	35	110	122	175	261	1511	3	2291
Creutzfeldt Jakob disease	0	0	0	0	0	0	0	0	1	4	0	5
Cryptosporidiosis	236	113	49	30	28	65	37	13	12	22	0	605
Cytomegalovirus infection (congenital)	13	0	0	0	0	0	0	0	0	0	0	13
Dengue fever	0	0	1	1	4	7	4	1	0	0	0	18
Giardiasis	29	15	5	2	10	41	48	32	22	48	0	252
Gonorrhoea	*	*	*	226	649	1165	483	221	57	10	0	2812
Haemophilus influenzae disease (invasive)	4	2	0	3	0	4	5	3	11	31	0	63
Hepatitis A (acute)	3	5	3	3	4	10	10	8	3	3	0	52
Hepatitis B (acute and chronic)	3	0	0	20	29	183	158	83	30	20	0	526
Hepatitis C	2	0	0	3	10	93	187	104	53	17	5	474
Hepatitis E	0	0	2	1	3	7	13	18	10	19	0	73
Herpes simplex (genital)	*	*	*	203	480	573	250	116	45	21	1	1691
Human immunodeficiency virus infection	*	*	*	8	31	226	163	70	23	12	0	535
Influenza	2429	1302	629	452	330	851	944	864	892	2559	4	11256
Legionellosis	0	0	0	0	0	0	4	2	6	12	0	24
Leptospirosis	0	0	2	2	6	3	2	6	2	2	0	25
Listeriosis	3	0	0	1	0	2	1	1	1	9	0	18
Lyme disease	0	1	0	0	0	0	1	3	1	0	0	6
Lymphogranuloma venereum	*	*	*	0	1	19	12	5	2	0	0	39
Malaria	2	1	4	6	4	18	21	15	10	0	0	81
Measles	16	13	3	6	7	9	9	1	0	0	0	64
Meningococcal disease	21	3	2	9	9	4	6	5	5	7	0	71
Mumps	44	70	146	959	797	405	171	78	53	34	4	2761
Noroviral infection ^	440	45	30	19	34	56	56	49	77	557	1	1364
Pertussis	81	8	7	4	2	12	14	16	14	7	0	165
Respiratory syncytial virus infection ^	2979	106	39	23	17	69	91	103	152	581	0	4160
Rotavirus infection ^	790	81	4	5	2	9	7	9	14	42	0	963
Salmonellosis	56	24	10	16	23	57	47	34	31	57	0	355
Shigellosis	16	5	6	1	12	49	32	23	18	9	0	171
Streptococcus group A infection (invasive)	17	5	2	4	3	13	7	12	10	35	0	108
Streptococcus group B infection (invasive)	58	0	0	0	1	0	0	0	0	0	0	59
Streptococcus pneumoniae infection (invasive)	41	11	9	4	5	14	35	42	52	207	0	420

	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	*	*	*	4	81	335	186	127	33	13	2	782
Toxoplasmosis	0	0	5	0	1	15	15	9	2	0	0	47
Trichomoniasis	*	*	*	4	8	23	17	8	3	1	0	64
Tuberculosis	9	1	0	7	12	56	54	31	31	65	0	266
Typhoid	2	3	6	1	0	11	2	1	0	1	0	27
Verotoxigenic Escherichia coli infection	295	79	51	25	35	60	42	59	71	161	0	878
Viral encephalitis	6	1	1	3	6	7	9	9	13	20	0	75
Viral meningitis	200	9	4	8	19	44	35	2	1	4	0	326
Yersiniosis	1	1	2	0	0	1	0	0	1	3	0	9

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.