



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive



Infectious Disease Notifications in Ireland, 2011-2016



**These figures were extracted from the Computerised
Infectious Disease Reporting (CIDR) System on:**

12/04/2017

Figures are provisional for 2016

Figures may differ from those previously published, due to ongoing updating of notification data on CIDR.

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, 2011-2016, All Case Classifications

as specified under Infectious Diseases (Amendment) Regulations 2016 (S.I. No. 276)

Report last refreshed on: 12/04/2017 at 16:39

	2011	2012	2013	2014	2015	2016
Acute anterior poliomyelitis	0	0	0	0	0	0
Anthrax	0	0	0	0	0	0
Bacillus cereus food-borne infection or intoxication	0	0	0	0	1	0
Bacterial meningitis (not otherwise specified)	35	29	21	23	32	15
Botulism	1	0	1	1	0	0
Brucellosis	1	2	1	3	0	2
Campylobacter infection	2427	2386	2275	2611	2452	2512
Carbapenem-resistant Enterobacteriaceae infection (invasive)	NA	0	0	5	8	14
Chancroid	NA	NA	0	0	0	0
Chickenpox - hospitalised cases	NA	80	53	61	69	106
Chikungunya disease	NA	0	0	1	1	1
Chlamydia trachomatis infection^	NA	NA	6247	6689	6787	6896
Cholera	0	0	0	0	0	0
Clostridium difficile infection*	1847	1822	1813	1801	1943	1871
Clostridium perfringens (type A) food-borne disease	0	0	1	0	1	0
Creutzfeldt Jakob disease	7	5	5	2	5	5
Creutzfeldt Jakob disease (variant)	0	0	0	0	0	0
Cryptosporidiosis	428	556	514	394	439	561
Cytomegalovirus infection (congenital)	NA	8	7	12	15	20
Dengue fever	NA	7	15	21	8	18
Diphtheria	0	0	0	0	1	1
Echinococcosis	0	0	1	0	0	2
Giardiasis	57	54	44	71	145	202
Gonorrhoea	NA	NA	1282	1309	1294	1958
Granuloma inguinale	NA	NA	0	0	0	0
Haemophilus influenzae disease (invasive)	44	41	41	61	52	58
Hepatitis A (acute)	19	29	50	21	36	38
Hepatitis B (acute and chronic)	517	560	423	442	548	489
Hepatitis C	1235	878	754	695	675	649
Hepatitis E#	NA	NA	NA	NA	3	90
Herpes simplex (genital)	NA	NA	1127	1234	1274	1369
Human immunodeficiency virus infection§	NA	339	341	377	484	511
Influenza	2077	743	1602	1757	2680	4764
Legionellosis	7	15	14	8	12	10
Leprosy	NA	0	2	0	0	1
Leptospirosis	16	15	14	23	16	26
Listeriosis	7	11	8	15	19	13
Lyme disease	NA	8	13	18	12	21
Lymphogranuloma venereum	NA	NA	5	35	20	48
Malaria	61	65	71	80	81	88
Measles‡	267	103	51	33	2	43
Meningococcal disease	94	66	81	82	74	87
Mumps	165	163	223	742	2014	499

	2011	2012	2013	2014	2015	2016
Noroviral infection [^]	990	1704	1486	807	1262	1840
Paratyphoid	2	5	2	5	1	7
Pertussis	229	458	173	73	117	214
Plague	0	0	0	0	0	0
Q fever	5	6	0	0	4	6
Rabies	0	0	0	0	0	0
Respiratory syncytial virus infection [^]	NA	1972	1282	2479	2202	2691
Rotavirus infection [^]	2450	2648	2510	2061	4158	2374
Rubella	4	9	0	3	2	1
Salmonellosis	310	313	324	260	269	302
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0	0	0
Shigellosis	42	29	49	57	90	84
Smallpox	0	0	0	0	0	0
Staphylococcal food poisoning	0	0	0	0	0	0
Streptococcus group A infection (invasive)	67	122	168	164	107	149
Streptococcus group B infection (invasive)	NA	76	66	68	69	66
Streptococcus pneumoniae infection (invasive)**	425	427	637	680	549	382
Syphilis [^]	404	493	545	273	421	450
Tetanus	0	1	1	1	1	0
Toxoplasmosis	32	36	32	20	25	24
Trichinosis	0	0	0	0	0	0
Trichomoniasis	NA	NA	74	92	56	80
Tuberculosis	411	358	370	313	294	318
Tularemia	0	0	0	0	0	0
Typhoid	14	8	10	7	9	10
Typhus	1	0	0	0	0	0
Verotoxigenic Escherichia coli infection	284	554	701	707	730	839
Viral encephalitis	23	18	6	67	47	61
Viral haemorrhagic fevers	0	0	0	0	0	0
Viral meningitis	220	235	281	435	261	299
West Nile fever	NA	0	1	0	0	0
Yellow fever	0	0	0	0	0	0
Yersiniosis	6	2	4	5	13	3
Zika virus infection†	NA	NA	NA	NA	NA	13

NA: Indicates that data not available in CIDR for the diseases and years indicated above.

*Since 01/01/2012, both new and recurrent cases of Clostridium difficile infection are notifiable. Prior to this only new cases were notifiable. Please interpret comparisons between current and historical data with caution.

#Hepatitis E became notifiable on the 15/12/2015.

§Since 1st January 2015, all new diagnoses of HIV in HSE East were notified on the basis of confirmatory testing of one sample by the National Virus Reference Laboratory. Previously, notifications were made following testing of a second sample. This change will result in higher numbers of notifications of HIV in 2015 compared to previous years and makes comparison of data with previous years more difficult.

‡Table 1 excludes two measles notifications in 2013 that are on CIDR, but were laboratory negative for measles and were not epidemiologically linked to a confirmed measles case.

**Streptococcus pneumoniae infection (invasive) figures relate to confirmed cases only since 1st July, 2015.

[^]^Syphilis is notifiable in CIDR since May 2011; therefore figures presented above for syphilis in 2011 are incomplete. The Irish case definition for syphilis changed on 1st January, 2014 and was further refined on 1st July, 2016. Therefore direct comparison of syphilis notification data across years as presented here is not valid.

[^] 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.

†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, 2016

Case Classifications are assigned to notifications as per the 2016 Case Definitions for Notifiable Diseases

Report last refreshed on: 12/04/2017 at 16:39

	Confirmed	Probable	Possible	Total
Bacterial meningitis (not otherwise specified)	6	4	5	15
Campylobacter infection	2512	0	0	2512
Carbapenem-resistant Enterobacteriaceae infection (invasive)	14	0	0	14
Chickenpox - hospitalised cases	72	5	29	106
Chlamydia trachomatis infection^	6896	0	0	6896
Clostridium difficile infection	1871	0	0	1871
Creutzfeldt Jakob disease	5	0	0	5
Cryptosporidiosis	558	3	0	561
Cytomegalovirus infection (congenital)	20	0	0	20
Dengue fever	18	0	0	18
Giardiasis	202	0	0	202
Gonorrhoea	1958	0	0	1958
Haemophilus influenzae disease (invasive)	58	0	0	58
Hepatitis A (acute)	37	1	0	38
Hepatitis B (acute and chronic)	489	0	0	489
Hepatitis C	649	0	0	649
Hepatitis E	90	0	0	90
Herpes simplex (genital)	1347	22	0	1369
Human immunodeficiency virus infection	511	0	0	511
Influenza	4753	2	9	4764
Legionellosis	10	0	0	10
Leptospirosis	26	0	0	26
Listeriosis	13	0	0	13
Lyme disease	21	0	0	21
Lymphogranuloma venereum	48	0	0	48
Malaria	88	0	0	88
Measles	43	0	0	43
Meningococcal disease	85	0	2	87
Mumps	274	39	186	499
Noroviral infection^	1838	2	0	1840
Paratyphoid	7	0	0	7
Pertussis	169	13	32	214
Q fever	6	0	0	6
Respiratory syncytial virus infection^	2691	0	0	2691
Rotavirus infection^	2374	0	0	2374
Salmonellosis	300	2	0	302
Shigellosis	84	0	0	84
Streptococcus group A infection (invasive)	149	0	0	149
Streptococcus group B infection (invasive)	66	0	0	66
Streptococcus pneumoniae infection (invasive)	382	0	0	382
Syphilis	434	3	13	450
Toxoplasmosis	24	0	0	24
Trichomoniasis	80	0	0	80
Tuberculosis	242	39	37	318
Typhoid	10	0	0	10
Verotoxigenic Escherichia coli infection	745	92	2	839
Viral encephalitis	61	0	0	61
Viral meningitis	296	2	1	299
Zika virus infection	13	0	0	13

Note: Infectious diseases with <5 cases are not presented here, see Table 1 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, 2016

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	Male	Female	Unknown	Total
Bacterial meningitis (not otherwise specified)	5	10	0	15
Campylobacter infection	1338	1169	5	2512
Carbapenem-resistant Enterobacteriaceae infection (invasive)	10	4	0	14
Chickenpox - hospitalised cases	51	54	1	106
Chlamydia trachomatis infection^	3389	3484	23	6896
Clostridium difficile infection	741	1130	0	1871
Creutzfeldt Jakob disease	1	4	0	5
Cryptosporidiosis	298	263	0	561
Cytomegalovirus infection (congenital)	10	8	2	20
Dengue fever	6	12	0	18
Giardiasis	114	88	0	202
Gonorrhoea	1710	244	4	1958
Haemophilus influenzae disease (invasive)	18	39	1	58
Hepatitis A (acute)	16	22	0	38
Hepatitis B (acute and chronic)	282	197	10	489
Hepatitis C	461	184	4	649
Hepatitis E	57	33	0	90
Herpes simplex (genital)	368	996	5	1369
Human immunodeficiency virus infection	395	115	1	511
Influenza	2183	2569	12	4764
Legionellosis	6	4	0	10
Leptospirosis	21	5	0	26
Listeriosis	8	5	0	13
Lyme disease	13	8	0	21
Lymphogranuloma venereum	48	0	0	48
Malaria	60	27	1	88
Measles	24	19	0	43
Meningococcal disease	49	38	0	87
Mumps	243	250	6	499
Noroviral infection^	873	965	2	1840
Paratyphoid	3	4	0	7
Pertussis	99	115	0	214
Q fever	5	1	0	6
Respiratory syncytial virus infection^	1448	1239	4	2691
Rotavirus infection^	1269	1102	3	2374
Salmonellosis	142	160	0	302
Shigellosis	51	33	0	84
Streptococcus group A infection (invasive)	77	72	0	149
Streptococcus group B infection (invasive)	33	28	5	66
Streptococcus pneumoniae infection (invasive)	207	175	0	382
Syphilis	426	22	2	450
Toxoplasmosis	8	16	0	24
Trichomoniasis	1	79	0	80
Tuberculosis	194	124	0	318
Typhoid	6	4	0	10
Verotoxigenic Escherichia coli infection	394	444	1	839
Viral encephalitis	23	35	3	61
Viral meningitis	162	132	5	299
Zika virus infection	6	7	0	13

Note: Infectious diseases with <5 cases are not presented here, see Table 1 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, 2016

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	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)	4	1	1	1	1	3	0	1	1	2	0	15
Campylobacter infection	552	158	69	83	159	302	248	260	255	422	4	2512
Carbapenem-resistant Enterobacteriaceae infection (invasive)	0	1	0	0	0	0	2	0	1	10	0	14
Chickenpox - hospitalised cases	55	14	7	3	4	7	6	2	2	6	0	106
Chlamydia trachomatis infection^	*	*	*	608	2754	2680	617	163	40	16	3	6896
Clostridium difficile infection	31	24	10	27	28	106	108	104	196	1235	2	1871
Creutzfeldt Jakob disease	0	0	0	0	0	0	0	0	2	3	0	5
Cryptosporidiosis	247	132	58	24	24	43	17	7	2	7	0	561
Cytomegalovirus infection (congenital)	19	0	0	0	0	0	1	0	0	0	0	20
Dengue fever	0	0	1	2	2	6	2	5	0	0	0	18
Giardiasis	27	11	5	5	16	41	32	24	14	27	0	202
Gonorrhoea	*	*	*	209	524	750	332	95	32	10	1	1958
Haemophilus influenzae disease (invasive)	11	1	1	1	3	6	6	4	4	21	0	58
Hepatitis A (acute)	8	6	6	0	0	6	9	1	2	0	0	38
Hepatitis B (acute and chronic)	2	0	0	14	33	205	126	65	22	22	0	489
Hepatitis C	2	1	0	2	22	173	234	116	76	23	0	649
Hepatitis E	0	0	0	3	9	7	20	19	18	14	0	90
Herpes simplex (genital)	*	*	*	173	410	477	189	84	25	10	1	1369
Human immunodeficiency virus infection	*	*	*	4	36	200	168	80	16	6	0	511
Influenza	851	461	169	175	189	640	577	418	379	901	4	4764
Legionellosis	0	0	0	0	0	2	1	1	2	4	0	10
Leptospirosis	0	1	0	2	2	4	6	6	3	2	0	26
Listeriosis	2	0	0	0	0	1	0	1	4	5	0	13
Lyme disease	0	4	0	0	1	2	5	3	3	3	0	21
Lymphogranuloma venereum	*	*	*	0	3	21	16	8	0	0	0	48
Malaria	3	7	4	5	4	21	23	12	6	3	0	88
Measles	14	8	4	6	2	7	2	0	0	0	0	43
Meningococcal disease	34	4	8	14	6	2	2	5	4	8	0	87
Mumps	35	23	31	103	90	83	53	41	22	16	2	499
Noroviral infection^	518	42	23	23	27	67	65	78	110	885	2	1840
Paratyphoid	0	0	1	0	0	2	2	0	0	2	0	7
Pertussis	113	18	12	6	9	13	16	14	6	7	0	214
Q fever	0	0	0	0	0	0	2	1	3	0	0	6
Respiratory syncytial virus infection^	2349	35	23	12	6	19	30	52	38	126	1	2691
Rotavirus infection^	2180	79	9	4	4	10	11	7	16	52	2	2374
Salmonellosis	66	22	18	11	26	43	25	25	28	38	0	302
Shigellosis	7	5	6	0	8	24	11	14	4	5	0	84
Streptococcus group A infection (invasive)	20	18	2	1	2	14	20	11	9	52	0	149
Streptococcus group B infection (invasive)	65	0	0	0	0	0	0	0	0	0	1	66
Streptococcus pneumoniae infection (invasive)	42	10	4	4	2	10	40	24	59	187	0	382
Syphilis	*	*	*	7	43	203	105	59	27	5	0	450
Toxoplasmosis	0	1	1	2	3	7	8	2	0	0	0	24
Trichomoniasis	*	*	*	3	11	31	22	11	1	1	0	80
Tuberculosis	4	5	8	8	21	80	52	45	38	56	1	318
Typhoid	3	1	0	0	1	1	3	1	0	0	0	10
Verotoxigenic Escherichia coli infection	314	62	34	35	37	76	52	40	50	139	0	839
Viral encephalitis	12	1	1	3	4	10	6	2	7	15	0	61
Viral meningitis	206	4	5	9	7	35	19	5	3	6	0	299
Zika virus infection	1	0	0	0	1	4	6	1	0	0	0	13

Note: Infectious diseases with <5 cases are not presented here, see Table 1 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 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