

HPSC - Weekly Infectious Disease Report



Statutory Notifications of Infectious Diseases reported in Ireland via the Computerised Infectious Disease Reporting (CIDR) system for:

Week 47, 2023

(Notification Period: 19/11/2023 - 25/11/2023)

Data are Provisional

Report produced by the Health Protection Surveillance Centre on 29/11/2023

Notes:

- This report is based on data reported by laboratories and Departments of Public Health via the Computerised Infectious Disease Reporting (CIDR) system.
- Currently, 80 of the 89 notifiable diseases as specified under the Infectious Diseases (Amendment) Regulations 2022 (S.I. No. 258 of 2022) are reported on CIDR.
- Additional guidance notes are available on page 7 of this report.



Table 1: Summary of Infectious Diseases Reported for Week 47, 2023

Infectious Disease	Week Ending	2023	2022	Increase/Decrease
	25/11/2023	Week 1 - 47	Week 1 - 47	+/-
Acute anterior poliomyelitis	0	0	0	0
Anthrax	0	0	0	0
Bacillus cereus food-borne infection or intoxication	0	0	3	-3
Bacterial meningitis (not otherwise specified)	0	11	11	0
Botulism	0	0	2	-2
Brucellosis	0	5	1	4
Campylobacter infection	65	3,474	3379	95
Carbapenem-resistant Enterobacteriaceae infection (invasive)	0	32	24	8
Chancroid	0	0	0	0
Chickenpox - hospitalised cases	2	163	70	93
Chikungunya disease	0	0	0	0
Chlamydia trachomatis infection	139	12,424	9546	2,878
Cholera	0	0	0	0
Clostridium difficile infection	40	2,060	1925	135
Clostridium perfringens (type A) food-borne disease	0	1	1	0
COVID-19*	422	32,414	905844	-873,430
Creutzfeldt Jakob disease	0	16	5	11
Creutzfeldt Jakob disease (variant)	0	0	0	0
Cryptosporidiosis	21	809	551	258
Cytomegalovirus infection (congenital)	0	14	21	-7
Dengue fever	0	16	9	7
Diphtheria	0	0	0	0
Echinococcosis	0	0	1	-1
Giardiasis	5	299	239	60
Gonorrhoea	107	6,253	3547	2,706
Granuloma inguinale	0	0	0	0
Haemophilus influenzae disease (invasive)	2	66	59	7
Hepatitis A (acute)	0	47	57	-10
Hepatitis B (acute and chronic)	9	538	462	76
Hepatitis C	10	488	444	44
Hepatitis E	0	42	32	10
Herpes simplex (genital)	49	1,560	1478	82
Herpes simplex (neonatal)	0	1	1	0
Human immunodeficiency virus infection	25	854	779	75
Influenza	90	8,906	3615	5,291
Legionellosis	0	32	24	8
Leprosy	0	0	1	-1
Leptospirosis	3	40	11	29
Listeriosis	0	18	18	0
Lyme disease	0	4	3	1
Lymphogranuloma venereum	0	34	24	10
Malaria	2	84	50	34
Measles	0	4	2	2
Meningococcal disease	0	38	18	20
Mpox infection	0	15	221	-206
Mumps	2	116	83	33
Noroviral infection	30	1,127	868	259
Paratyphoid	0	11	7	4
Pertussis	0	14	7	7
Plague	0	0	0	0
Q fever	0	3	0	3
Rabies	0	0	0	0
Respiratory syncytial virus infection	730	4,212	4467	-255
Rotavirus infection	7	538	454	84
Rubella	0	0	0	0
Salmonellosis	2	378	307	71
Severe Acute Respiratory Syndrome (SARS)	0	0	0	0



Table 1: Summary of Infectious Diseases Reported for Week 47, 2023

Infectious Disease	Week Ending	2023	2022	Increase/Decrease
	25/11/2023	Week 1 - 47	Week 1 - 47	+/-
Shigellosis	5	204	144	60
Smallpox	0	0	0	0
Staphylococcal food poisoning	0	0	0	0
Streptococcus group A infection (invasive)	6	504	54	450
Streptococcus group B infection (invasive)	2	38	29	9
Streptococcus pneumoniae infection (invasive)	11	370	306	64
Syphilis	31	885	824	61
Tetanus	0	0	0	0
Toxoplasmosis	0	16	15	1
Trichinosis	0	0	0	0
Trichomoniasis	3	63	66	-3
Tuberculosis	10	205	191	14
Tularemia	0	1	0	1
Typhoid	0	15	30	-15
Typhus	0	1	0	1
Verotoxigenic Escherichia coli infection	10	876	912	-36
Viral encephalitis	2	56	34	22
Viral haemorrhagic fevers	0	0	0	0
Viral meningitis	4	300	286	14
West Nile fever	0	1	0	1
Yellow fever	0	0	0	0
Yersiniosis	0	28	17	11
Zika virus infection	0	1	0	1
Total	1846	80725		

* On 20 February 2020, the Minister for Health signed the Infectious Diseases (Amendment) Regulations 2020 (S.I. No. 53 of 2020), to include COVID-19 on the list of notifiable diseases

** On 27 May 2022, the Minister for Health signed the Infectious Diseases (Amendment) Regulations 2022 (S.I. No. 258 of 2022), to include Mpox on the list of notifiable diseases

All notified cases recorded on CIDR for the time period shown are included in this report and depending on the disease these can include confirmed, probable, possible and suspect cases. The breakdown of cases by case classification are shown in Table 5. The case definitions are available on the HPSC website at <https://www.hpsc.ie/notifiablediseases/casedefinitions/>

Due to a technical error, there were 10 late notifications of malaria made during week 24 2023. These cases occurred between January 2021 and January 2023.

Three of the CJD cases in 2023 were from 2020 and 2021 but went onto the CIDR database in 2023.

*** A significant upsurge of iGAS occurred between October 2022 and August 2023, which led to a marked increase in cases. This was probably related, in part, to pandemic restrictions, and their progressive easing. In addition, the case definition of iGAS infection was updated at the end of Dec 2022 to include other severe cases of GAS infection.



Table 2: Infectious Diseases Notified by HSE Area for Week 47, 2023
(excluding instances of less than 5 events of: Acute anterior poliomyelitis, Botulism, Cholera, Creutzfeldt Jakob disease, Creutzfeldt Jakob disease (variant), Paratyphoid, Typhoid, Leprosy, Rabies or Zika virus infection)

Infectious Disease	E	M	MW	NE	NW	S	SE	W	Total
Campylobacter infection	19	8	3	9	3	11	4	8	65
Chickenpox - hospitalised cases	1	0	0	1	0	0	0	0	2
Chlamydia trachomatis infection	51	2	7	7	19	19	19	15	139
Clostridium difficile infection	9	0	2	1	3	7	13	5	40
COVID-19	131	19	32	55	32	51	67	35	422
Cryptosporidiosis	6	2	0	0	1	3	7	2	21
Giardiasis	0	1	0	0	0	1	2	1	5
Gonorrhoea	62	3	11	2	6	7	7	9	107
Haemophilus influenzae disease (invasive)	0	0	0	1	0	1	0	0	2
Hepatitis B (acute and chronic)	7	0	0	1	0	0	0	1	9
Hepatitis C	5	0	2	1	0	1	1	0	10
Herpes simplex (genital)	26	5	1	0	1	6	1	9	49
Human immunodeficiency virus infection	18	0	1	4	1	1	0	0	25
Influenza	25	1	3	2	17	20	6	16	90
Leptospirosis	0	0	1	1	0	0	1	0	3
Malaria	0	0	1	0	0	0	0	1	2
Mumps	0	0	0	0	0	0	2	0	2
Noroviral infection	15	0	2	7	0	3	2	1	30
Respiratory syncytial virus infection	188	49	41	57	112	127	72	84	730
Rotavirus infection	2	0	1	0	1	2	0	1	7
Salmonellosis	0	0	0	0	0	0	2	0	2
Shigellosis	0	0	1	0	1	0	1	2	5
Streptococcus group A infection (invasive)	3	0	0	1	0	2	0	0	6
Streptococcus group B infection (invasive)	1	0	0	0	0	0	1	0	2
Streptococcus pneumoniae infection (invasive)	6	0	0	0	0	3	1	1	11
Syphilis	23	1	0	2	1	1	2	1	31
Trichomoniasis	1	0	0	0	1	0	1	0	3
Tuberculosis	5	0	0	0	0	3	1	1	10
Verotoxigenic Escherichia coli infection	2	2	0	2	0	0	2	2	10
Viral encephalitis	0	1	0	0	0	0	0	1	2
Viral meningitis	2	0	0	0	0	1	1	0	4
Total	608	94	109	154	199	270	216	196	1846



Table 3: Infectious Diseases Notified by Age Group for Week 47, 2023

Infectious Disease	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	Unknown	Total
Campylobacter infection	3	5	1	4	7	7	4	7	9	18	0	65
Chickenpox - hospitalised cases	0	1	1	0	0	0	0	0	0	0	0	2
Chlamydia trachomatis infection	0	0	0	21	50	44	13	9	1	1	0	139
Clostridium difficile infection	4	0	0	0	0	2	1	4	6	23	0	40
COVID-19	28	3	6	1	4	18	34	38	39	251	0	422
Cryptosporidiosis	9	2	1	3	0	2	4	0	0	0	0	21
Giardiasis	0	0	0	0	0	2	1	1	1	0	0	5
Gonorrhoea	0	0	0	6	35	35	21	7	2	1	0	107
Haemophilus influenzae disease (invasive)	1	0	0	0	0	1	0	0	0	0	0	2
Hepatitis B (acute and chronic)	0	0	0	0	0	2	3	4	0	0	0	9
Hepatitis C	0	0	0	0	0	1	3	3	2	1	0	10
Herpes simplex (genital)	0	0	0	4	12	26	4	2	0	1	0	49
Human immunodeficiency virus infection	0	0	0	0	1	10	4	5	5	0	0	25
Influenza	12	7	3	8	4	15	9	6	9	17	0	90
Leptospirosis	0	0	1	0	0	0	1	0	1	0	0	3
Malaria	0	0	0	0	0	1	0	1	0	0	0	2
Mumps	0	0	0	0	0	0	0	1	0	1	0	2
Noroviral infection	9	2	0	0	0	0	2	2	1	14	0	30
Respiratory syncytial virus infection	568	42	7	2	4	5	7	15	17	63	0	730
Rotavirus infection	7	0	0	0	0	0	0	0	0	0	0	7
Salmonellosis	0	0	0	0	0	0	0	0	0	2	0	2
Shigellosis	0	0	0	0	0	2	0	1	1	1	0	5
Streptococcus group A infection (invasive)	0	1	0	0	0	1	0	0	0	4	0	6
Streptococcus group B infection (invasive)	2	0	0	0	0	0	0	0	0	0	0	2
Streptococcus pneumoniae infection (invasive)	5	1	0	0	0	0	0	1	1	3	0	11
Syphilis	0	0	0	0	1	14	8	4	3	1	0	31
Trichomoniasis	0	0	0	0	0	1	2	0	0	0	0	3
Tuberculosis	0	0	1	0	1	0	3	2	1	2	0	10
Verotoxigenic Escherichia coli infection	2	0	1	0	0	0	1	1	2	3	0	10
Viral encephalitis	0	0	0	0	0	0	0	1	0	1	0	2
Viral meningitis	2	0	0	1	0	1	0	0	0	0	0	4
Total	652	64	22	50	119	190	125	115	101	408	0	1846



Table 4: Infectious Diseases Notified by Sex for Week 47, 2023

Infectious Disease	Male	Female	Unknown	Not Specified	Total
Campylobacter infection	34	30	1	0	65
Chickenpox - hospitalised cases	2	0	0	0	2
Chlamydia trachomatis infection	70	69	0	0	139
Clostridium difficile infection	14	25	0	1	40
COVID-19	215	207	0	0	422
Cryptosporidiosis	8	13	0	0	21
Giardiasis	3	2	0	0	5
Gonorrhoea	82	24	1	0	107
Haemophilus influenzae disease (invasive)	1	1	0	0	2
Hepatitis B (acute and chronic)	6	2	1	0	9
Hepatitis C	7	3	0	0	10
Herpes simplex (genital)	15	34	0	0	49
Human immunodeficiency virus infection	18	7	0	0	25
Influenza	41	48	1	0	90
Leptospirosis	1	2	0	0	3
Malaria	2	0	0	0	2
Mumps	0	2	0	0	2
Noroviral infection	15	15	0	0	30
Respiratory syncytial virus infection	365	365	0	0	730
Rotavirus infection	3	4	0	0	7
Salmonellosis	1	1	0	0	2
Shigellosis	2	3	0	0	5
Streptococcus group A infection (invasive)	4	2	0	0	6
Streptococcus group B infection (invasive)	0	2	0	0	2
Streptococcus pneumoniae infection (invasive)	5	6	0	0	11
Syphilis	29	2	0	0	31
Trichomoniasis	0	3	0	0	3
Tuberculosis	4	6	0	0	10
Verotoxigenic Escherichia coli infection	5	5	0	0	10
Viral encephalitis	0	2	0	0	2
Viral meningitis	4	0	0	0	4
Total	956	885	4	1	1846



Table 5: Infectious Diseases Notified by Case Classification for Week 47, 2023

Infectious Disease	Confirmed	Probable	Possible	Not Specified	Total
Campylobacter infection	65	0	0	0	65
Chickenpox - hospitalised cases	2	0	0	0	2
Chlamydia trachomatis infection	139	0	0	0	139
Clostridium difficile infection	40	0	0	0	40
COVID-19	422	0	0	0	422
Cryptosporidiosis	21	0	0	0	21
Giardiasis	5	0	0	0	5
Gonorrhoea	107	0	0	0	107
Haemophilus influenzae disease (invasive)	2	0	0	0	2
Hepatitis B (acute and chronic)	9	0	0	0	9
Hepatitis C	10	0	0	0	10
Herpes simplex (genital)	49	0	0	0	49
Human immunodeficiency virus infection	25	0	0	0	25
Influenza	90	0	0	0	90
Leptospirosis	3	0	0	0	3
Malaria	2	0	0	0	2
Mumps	1	0	1	0	2
Noroviral infection	30	0	0	0	30
Respiratory syncytial virus infection	730	0	0	0	730
Rotavirus infection	7	0	0	0	7
Salmonellosis	2	0	0	0	2
Shigellosis	2	3	0	0	5
Streptococcus group A infection (invasive)	6	0	0	0	6
Streptococcus group B infection (invasive)	2	0	0	0	2
Streptococcus pneumoniae infection (invasive)	11	0	0	0	11
Syphilis	30	1	0	0	31
Trichomoniasis	3	0	0	0	3
Tuberculosis	8	1	1	0	10
Verotoxigenic Escherichia coli infection	9	1	0	0	10
Viral encephalitis	2	0	0	0	2
Viral meningitis	4	0	0	0	4
Total	1838	6	2	0	1846

Guidance Notes

1. Case Definitions for Notifiable Diseases

The latest version of case definitions is available on the HPSC website at <https://www.hpsc.ie/notifiablediseases/casedefinitions/>

2. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

3. Clostridium difficile infection

Both new and recurrent cases of *C. difficile* infection (CDI) are notifiable. Only positive *C. difficile* test results meeting the case definition should be notified in CIDR. CDI is not notifiable in children less than 2 years of age.

4. Hepatitis B (acute and chronic) infection

When notifying cases of Hepatitis B in CIDR, please specify whether the case is acute or chronic.

5. Herpes simplex (neonatal)

Herpes simplex (neonatal) is notifiable only in infants aged 6 weeks of age or less (42 days), see case definition for details.

6. Influenza

Influenza positive detections in children aged 2-17 years who have been recently vaccinated (in previous 14 days) with the Live Attenuated Influenza Vaccine (LAIV) are initially notified as possible influenza cases, pending further confirmatory testing at the National Virus Reference Laboratory, to determine if the positive test result is due to acute influenza virus infection or detection of LAIV vaccine virus. If the NVRL confirms LAIV vaccine virus detection (as opposed to an acute influenza virus infection), the case will be de-notified.

7. Streptococcus group B infection (invasive)

All cases of invasive *Streptococcus* group B infection are notifiable in infants <90 days of age under the disease *Streptococcus* group B infection (invasive), as per the case definition. If cases occur in persons 90 days of age or older AND have a clinical diagnosis of meningitis, then these cases should be notified under the disease bacterial meningitis (not otherwise specified). Cases of invasive *Streptococcus* group B infection in persons 90 days or older without meningitis are not notifiable.

8. Verotoxigenic Escherichia coli infection

All verotoxin positive *Escherichia coli* cases should be notified. In situations where the verotoxin results are pending, it is recommended that, at a minimum, cases due to the five most common serogroups (O26, O103, O111, O145 and O157) are reported in CIDR. Any cases later confirmed to be verotoxin negative are then denotified. Therefore, figures presented in this weekly report for Verotoxigenic *E. coli* infection may change.