

Summary of Communicable Diseases

2014 – 2016

Interior Health and HSDA

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Data Sources:

- 1) Sexually transmitted and blood-borne infection data, except Hepatitis C, were extracted from Cognos STI and HIV-AIDS data cubes on 25 Dec 2017.
- 2) All other communicable disease data were extracted from Panorama via CD Data Mart, extracted on 25 December 2017 and 18 May 2018 (CJD and Enterovirus D68 only).
- 3) Population data for respective years was obtained from BC Stats on 25 Dec 2017.

Notes:

- Data is presented for the calendar years (January 1 – December 31).
- Case counts may change over time due to lag in reporting, change in episode date, or reclassification of disease status.
- Only confirmed cases are included in this report, including confirmed epi-linked for mumps and pertussis. Cases reported reflect number of cases identified through testing and may not reflect all cases in a community.
- This report does not include all reportable communicable diseases. A full list of all reportable diseases is available on the [BC Centre for Disease Control website](#).

Summary of Communicable Diseases 2014 - 2016 Interior Health

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2012-2016 Average	
		2014	2015	2016	2014	2015	2016	Cases	Rate
Direct Contact & Respiratory	Legionella Infection	0	5	2	0.0	0.7	0.3	1.6	0.2
	Creutzfeldt-Jakob Disease	2	1	2	0.3	0.1	0.3	1.0	0.1
	Enterovirus D68 ¹	15	0	12	2.0	0.0	1.6	5.4	0.7
	Meningococcal Disease, Invasive	7	5	2	1.0	0.7	0.3	3.8	0.5
	Pneumococcal Disease, Invasive	58	70	67	7.9	9.5	9.0	60.2	8.2
	Streptococcal Disease, Group A, Invasive	38	33	55	5.2	4.5	7.4	37.0	5.0
	Tuberculosis, Active	14	8	12	1.9	1.1	1.6	15.2	2.1
Enteric, Food & Waterborne	Amebiasis	0	0	3	0.0	0.0	0.4	5.2	0.7
	Campylobacter Infection	211	229	236	28.7	31.0	31.7	229.2	31.3
	Cryptosporidium Infection	13	7	25	1.8	0.9	3.4	15.4	2.1
	Cyclospora Infection	9	2	1	1.2	0.3	0.1	2.6	0.4
	Escherichia coli Infection, shiga-toxigenic	26	15	33	3.5	2.0	4.4	26.2	3.6
	Giardia Infection	69	74	69	9.4	10.0	9.3	73.0	10.0
	Hepatitis A	5	1	5	0.7	0.1	0.7	3.0	0.4
	Hepatitis E	1	0	0	0.1	0.0	0.0	0.4	0.1
	Listeria Infection	1	1	1	0.1	0.1	0.1	0.8	0.1
	Paratyphoid Fever	4	0	1	0.5	0.0	0.1	2.8	0.4
	Salmonella Infection	134	199	171	18.2	26.9	23.0	143.2	19.5
	Shigella Infection	2	5	12	0.3	0.7	1.6	7.0	1.0
	Typhoid Fever	2	0	1	0.3	0.0	0.1	1.2	0.2
	Vibrio Infection	4	6	2	0.5	0.8	0.3	3.4	0.5
Yersinia infection	40	50	59	5.4	6.8	7.9	38.8	5.3	
Sexually Transmitted & Bloodborne	Chlamydia	1995	2005	2224	271.6	271.2	299.1	1959.4	267.3
	Gonorrhea	101	244	271	13.8	33.0	36.5	158.2	21.6
	Hepatitis C: Acute	5	12	6	0.7	1.6	0.8	8.6	1.2
	Hepatitis C: Chronic/Unknown	334	375	422	45.5	50.7	56.8	353.4	48.2
	HIV	17	16	14	2.3	2.2	1.9	14.0	1.9
	Syphilis, Infectious	4	22	34	0.5	3.0	4.6	14.8	2.0
Vaccine Preventable	Haemophilus Influenza b, Invasive	0	0	0	0.0	0.0	0.0	0.2	0.0
	Hepatitis B: Acute	1	0	0	0.1	0.0	0.0	1.0	0.1
	Hepatitis B: Chronic Carrier	21	17	12	2.9	2.3	1.6	21.0	2.9
	Hepatitis B: Unknown/Undetermined Status ²	9	6	17	1.2	0.8	2.3	9.2	1.3
	Influenza	296	310	447	40.3	41.9	60.1	287.4	39.2
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	2	2	2	0.3	0.3	0.3	3.4	0.5
	Pertussis	126	174	193	17.2	23.5	26.0	117.2	16.0
Vectorborne & Zoonotic	Lyme Disease	1	2	4	0.1	0.3	0.5	2.0	0.3
	Malaria	5	3	4	0.7	0.4	0.5	3.6	0.5
	West Nile Virus	0	0	0	0.0	0.0	0.0	0.2	0.0
	Zika Virus	0	0	3	0.0	0.0	0.4	0.6	0.1

¹ Subtyping for Enterovirus D68 did not occur prior to 2014; data are for 2014 – 2016 only.

² Hepatitis B: Unknwn n/Undetermined Status – these cases do not meet the criteria of either acute case or a chronic infection.

Summary of Communicable Diseases 2014 - 2016 East Kootenay

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2012-2016 Average	
		2014	2015	2016	2014	2015	2016	Cases	Rate
Direct Contact & Respiratory	Legionella Infection	0	0	0	0.0	0.0	0.0	0.0	0.0
	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Enterovirus D68 ¹	0	0	1	0.0	0.0	1.3	0.2	0.3
	Meningococcal Disease, Invasive	1	0	1	1.3	0.0	1.3	0.6	0.8
	Pneumococcal Disease, Invasive	2	12	7	2.6	15.6	9.1	6.0	7.8
	Streptococcal Disease, Group A, Invasive	4	3	7	5.2	3.9	9.1	3.8	5.0
	Tuberculosis, Active	0	2	2	0.0	2.6	2.6	1.0	1.3
Enteric, Food & Waterborne	Amebiasis	0	0	1	0.0	0.0	1.3	0.2	0.3
	Campylobacter Infection	25	30	29	32.5	39.1	37.6	28.0	36.5
	Cryptosporidium Infection	2	4	5	2.6	5.2	6.5	2.4	3.1
	Cyclospora Infection	1	1	0	1.3	1.3	0.0	0.4	0.5
	Escherichia coli Infection, shiga-toxigenic	5	3	8	6.5	3.9	10.4	4.4	5.7
	Giardia Infection	6	9	7	7.8	11.7	9.1	8.4	11.0
	Hepatitis A	1	0	1	1.3	0.0	1.3	0.4	0.5
	Hepatitis E	0	0	0	0.0	0.0	0.0	0.0	0.0
	Listeria Infection	1	0	0	1.3	0.0	0.0	0.2	0.3
	Paratyphoid Fever	0	0	0	0.0	0.0	0.0	0.2	0.3
	Salmonella Infection	17	33	17	22.1	43.0	22.0	18.2	23.7
	Shigella Infection	0	1	1	0.0	1.3	1.3	0.6	0.8
	Typhoid Fever	0	0	0	0.0	0.0	0.0	0.0	0.0
	Vibrio Infection	0	0	2	0.0	0.0	2.6	0.4	0.5
Yersinia infection	5	2	5	6.5	2.6	6.5	3.6	4.7	
Sexually Transmitted & Bloodborne	Chlamydia	142	200	199	184.9	260.4	257.9	167.0	217.8
	Gonorrhoea	3	12	4	3.9	15.6	5.2	4.8	6.3
	Hepatitis C: Acute	1	5	0	1.3	6.5	0.0	1.8	2.3
	Hepatitis C: Chronic/Unknown	36	44	36	46.9	57.3	46.7	35.0	45.7
	HIV	0	1	0	0.0	1.3	0.0	0.8	1.0
	Syphilis, Infectious	0	2	3	0.0	2.6	3.9	1.4	1.8
Vaccine Preventable	Haemophilus Influenza b, Invasive	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis B: Acute	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis B: Chronic Carrier	0	2	3	0.0	2.6	3.9	1.6	2.1
	Hepatitis B: Unknown/Undetermined Status ²	0	1	2	0.0	1.3	2.6	0.6	0.8
	Influenza	33	63	65	43.0	82.0	84.2	45.8	59.7
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	0	0	0	0.0	0.0	0.0	0.0	0.0
	Pertussis	9	8	29	11.7	10.4	37.6	11.6	15.1
Vectorborne & Zoonotic	Lyme Disease	0	0	1	0.0	0.0	1.3	0.2	0.3
	Malaria	1	1	1	1.3	1.3	1.3	1.0	1.3
	West Nile Virus	0	0	0	0.0	0.0	0.0	0.0	0.0
	Zika Virus	0	0	0	0.0	0.0	0.0	0.0	0.0

¹ Subtyping for Enterovirus D68 did not occur prior to 2014; data are for 2014 – 2016 only.

² Hepatitis B: Unknown/Undetermined Status – these cases do not meet the criteria of either acute case or a chronic infection.

Summary of Communicable Diseases 2014 - 2016 Kootenay Boundary

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2012-2016 Average	
		2014	2015	2016	2014	2015	2016	Cases	Rate
Direct Contact & Respiratory	Legionella Infection	0	1	0	0.0	1.3	0.0	0.2	0.3
	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Enterovirus D68 ¹	0	0	3	0.0	0.0	3.9	0.6	0.8
	Meningococcal Disease, Invasive	1	1	0	1.3	1.3	0.0	0.4	0.5
	Pneumococcal Disease, Invasive	9	7	6	11.6	9.0	7.7	7.0	9.0
	Streptococcal Disease, Group A, Invasive	9	4	5	11.6	5.2	6.4	5.2	6.7
	Tuberculosis, Active	1	1	0	1.3	1.3	0.0	0.6	0.8
Enteric, Food & Waterborne	Amebiasis	0	0	0	0.0	0.0	0.0	1.2	1.6
	Campylobacter Infection	18	22	29	23.3	28.4	37.4	23.2	30.0
	Cryptosporidium Infection	2	1	6	2.6	1.3	7.7	2.8	3.6
	Cyclospora Infection	5	0	0	6.5	0.0	0.0	1.0	1.3
	Escherichia coli Infection, shiga-toxigenic	2	1	3	2.6	1.3	3.9	2.0	2.6
	Giardia Infection	6	12	13	7.8	15.5	16.8	10.4	13.4
	Hepatitis A	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis E	0	0	0	0.0	0.0	0.0	0.0	0.0
	Listeria Infection	0	0	0	0.0	0.0	0.0	0.2	0.3
	Paratyphoid Fever	0	0	0	0.0	0.0	0.0	0.0	0.0
	Salmonella Infection	17	27	30	22.0	34.9	38.7	19.4	25.1
	Shigella Infection	2	0	1	2.6	0.0	1.3	1.0	1.3
	Typhoid Fever	0	0	0	0.0	0.0	0.0	0.0	0.0
	Vibrio Infection	0	2	0	0.0	2.6	0.0	0.4	0.5
Yersinia infection	3	11	5	3.9	14.2	6.4	5.6	7.2	
Sexually Transmitted & Bloodborne	Chlamydia	153	130	149	197.7	167.9	192.0	134.0	173.1
	Gonorrhea	7	23	12	9.0	29.7	15.5	9.6	12.4
	Hepatitis C: Acute	0	0	0	0.0	0.0	0.0	0.4	0.5
	Hepatitis C: Chronic/Unknown	32	42	45	41.3	54.3	58.0	38.2	49.4
	HIV	1	1	2	1.3	1.3	2.6	1.6	2.1
	Syphilis, Infectious	2	2	5	2.6	2.6	6.4	2.0	2.6
Vaccine Preventable	Haemophilus Influenza b, Invasive	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis B: Acute	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis B: Chronic Carrier	0	0	0	0.0	0.0	0.0	0.4	0.5
	Hepatitis B: Unknown/Undetermined Status ²	1	0	2	1.3	0.0	2.6	1.2	1.6
	Influenza	27	40	41	34.9	51.7	52.8	30.0	38.8
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	2	0	0	2.6	0.0	0.0	0.8	1.0
	Pertussis	57	37	44	73.6	47.8	56.7	35.2	45.5
Vectorborne & Zoonotic	Lyme Disease	0	0	0	0.0	0.0	0.0	0.2	0.3
	Malaria	2	0	0	2.6	0.0	0.0	1.0	1.3
	West Nile Virus	0	0	0	0.0	0.0	0.0	0.0	0.0
	Zika Virus	0	0	0	0.0	0.0	0.0	0.0	0.0

¹ Subtyping for Enterovirus D68 did not occur prior to 2014; data are for 2014 – 2016 only.

² Hepatitis B: Unknown n/Undetermined Status – these cases do not meet the criteria of either acute case or a chronic infection.

Summary of Communicable Diseases 2014 - 2016 Okanagan

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2012-2016 Average	
		2014	2015	2016	2014	2015	2016	Cases	Rate
Direct Contact & Respiratory	Legionella Infection	0	3	0	0.0	0.8	0.0	0.8	0.2
	Creutzfeldt-Jakob Disease	2	1	2	0.6	0.3	0.5	1.0	0.3
	Enterovirus D68 ¹	0	0	3	0.0	0.0	0.8	0.6	0.2
	Meningococcal Disease, Invasive	2	3	1	0.6	0.8	0.3	1.8	0.5
	Pneumococcal Disease, Invasive	23	26	34	6.5	7.2	9.3	27.2	7.6
	Streptococcal Disease, Group A, Invasive	15	18	16	4.2	5.0	4.4	15.4	4.3
	Tuberculosis, Active	7	4	6	2.0	1.1	1.6	9.4	2.6
Enteric, Food & Waterborne	Amebiasis	0	0	0	0.0	0.0	0.0	1.6	0.4
	Campylobacter Infection	98	110	102	27.7	30.4	27.8	110.6	31.1
	Cryptosporidium Infection	3	0	2	0.8	0.0	0.5	3.6	1.0
	Cyclospora Infection	3	0	0	0.8	0.0	0.0	0.6	0.2
	Escherichia coli Infection, shiga-toxigenic	10	7	13	2.8	1.9	3.5	10.8	3.0
	Giardia Infection	38	36	24	10.7	9.9	6.5	32.6	9.2
	Hepatitis A	3	1	4	0.8	0.3	1.1	1.8	0.5
	Hepatitis E	1	0	0	0.3	0.0	0.0	0.4	0.1
	Listeria Infection	0	1	0	0.0	0.3	0.0	0.2	0.1
	Paratyphoid Fever	4	0	0	1.1	0.0	0.0	2.2	0.6
	Salmonella Infection	58	85	76	16.4	23.5	20.7	62.6	17.6
	Shigella Infection	0	3	9	0.0	0.8	2.5	4.2	1.2
	Typhoid Fever	1	0	1	0.3	0.0	0.3	1.0	0.3
	Vibrio Infection	3	2	0	0.8	0.6	0.0	1.8	0.5
Yersinia infection	18	26	32	5.1	7.2	8.7	18.6	5.2	
Sexually Transmitted & Bloodborne	Chlamydia	998	997	1046	281.9	275.4	285.4	957.8	269.3
	Gonorrhoea	34	100	75	9.6	27.6	20.5	58.0	16.3
	Hepatitis C: Acute	3	6	5	0.8	1.7	1.4	4.8	1.3
	Hepatitis C: Chronic/Unknown	154	181	193	43.5	50.0	52.7	168.4	47.3
	HIV	7	7	7	2.0	1.9	1.9	6.0	1.7
	Syphilis, Infectious	1	9	23	0.3	2.5	6.3	8.0	2.2
Vaccine Preventable	Haemophilus Influenza b, Invasive	0	0	0	0.0	0.0	0.0	0.2	0.1
	Hepatitis B: Acute	0	0	0	0.0	0.0	0.0	0.6	0.2
	Hepatitis B: Chronic Carrier	15	8	5	4.2	2.2	1.4	12.4	3.5
	Hepatitis B: Unknown/Undetermined Status ²	7	4	6	2.0	1.1	1.6	4.6	1.3
	Influenza	158	109	211	44.6	30.1	57.6	134.0	37.7
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	0	2	2	0.0	0.6	0.5	1.0	0.3
	Pertussis	35	107	105	9.9	29.6	28.7	55.4	15.6
Vectorborne & Zoonotic	Lyme Disease	0	2	2	0.0	0.6	0.5	1.0	0.3
	Malaria	1	2	0	0.3	0.6	0.0	0.6	0.2
	West Nile Virus	0	0	0	0.0	0.0	0.0	0.2	0.1
	Zika Virus	0	0	3	0.0	0.0	0.8	0.6	0.2

¹ Subtyping for Enterovirus D68 did not occur prior to 2014; data are for 2014 – 2016 only.

² Hepatitis B: Unknown/Undetermined Status – these cases do not meet the criteria of either acute case or a chronic infection.

Summary of Communicable Diseases 2014 - 2016 Thompson Cariboo Shuswap

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2012-2016 Average	
		2014	2015	2016	2014	2015	2016	Cases	Rate
Direct Contact & Respiratory	Legionella Infection	0	1	2	0.0	0.5	0.9	0.6	0.3
	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Enterovirus D68 ¹	0	0	2	0.0	0.0	0.9	0.4	0.2
	Meningococcal Disease, Invasive	3	1	0	1.4	0.5	0.0	1.0	0.5
	Pneumococcal Disease, Invasive	24	25	20	10.9	11.3	9.0	20.0	9.1
	Streptococcal Disease, Group A, Invasive	10	8	27	4.5	3.6	12.1	12.6	5.7
	Tuberculosis, Active	6	1	4	2.7	0.5	1.8	4.2	1.9
Enteric, Food & Waterborne	Amebiasis	0	0	2	0.0	0.0	0.9	2.2	1.0
	Campylobacter Infection	70	67	76	31.7	30.4	34.2	67.4	30.6
	Cryptosporidium Infection	6	2	12	2.7	0.9	5.4	6.6	3.0
	Cyclospora Infection	0	1	1	0.0	0.5	0.4	0.6	0.3
	Escherichia coli Infection, shiga-toxigenic	9	4	9	4.1	1.8	4.0	9.0	4.1
	Giardia Infection	19	17	25	8.6	7.7	11.2	21.6	9.8
	Hepatitis A	1	0	0	0.5	0.0	0.0	0.8	0.4
	Hepatitis E	0	0	0	0.0	0.0	0.0	0.0	0.0
	Listeria Infection	0	0	1	0.0	0.0	0.4	0.2	0.1
	Paratyphoid Fever	0	0	1	0.0	0.0	0.4	0.4	0.2
	Salmonella Infection	42	54	48	19.0	24.5	21.6	43.0	19.6
	Shigella Infection	0	1	1	0.0	0.5	0.4	1.2	0.5
	Typhoid Fever	1	0	0	0.5	0.0	0.0	0.2	0.1
	Vibrio Infection	1	2	0	0.5	0.9	0.0	0.8	0.4
Yersinia infection	14	11	17	6.3	5.0	7.6	11.0	5.0	
Sexually Transmitted & Bloodborne	Chlamydia	702	678	830	317.9	307.1	373.4	700.6	318.6
	Gonorrhoea	57	109	180	25.8	49.4	81.0	85.8	39.0
	Hepatitis C: Acute	1	1	1	0.5	0.5	0.4	1.6	0.7
	Hepatitis C: Chronic/Unknown	112	108	148	50.7	48.9	66.6	111.8	50.8
	HIV	9	7	5	4.1	3.2	2.2	5.6	2.5
	Syphilis, Infectious	1	9	3	0.5	4.1	1.3	3.4	1.5
Vaccine Preventable	Haemophilus Influenza b, Invasive	0	0	0	0.0	0.0	0.0	0.0	0.0
	Hepatitis B: Acute	1	0	0	0.5	0.0	0.0	0.4	0.2
	Hepatitis B: Chronic Carrier	6	7	4	2.7	3.2	1.8	6.6	3.0
	Hepatitis B: Unknown/Undetermined Status ²	1	1	7	0.5	0.5	3.1	2.8	1.3
	Influenza	78	98	130	35.3	44.4	58.5	77.6	35.3
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	0	0	0	0.0	0.0	0.0	1.6	0.7
	Pertussis	25	22	15	11.3	10.0	6.7	15.0	6.8
Vectorborne & Zoonotic	Lyme Disease	1	0	1	0.5	0.0	0.4	0.6	0.3
	Malaria	1	0	3	0.5	0.0	1.3	1.0	0.5
	West Nile Virus	0	0	0	0.0	0.0	0.0	0.0	0.0
	Zika Virus	0	0	0	0.0	0.0	0.0	0.0	0.0

¹ Subtyping for Enterovirus D68 did not occur prior to 2014; data are for 2014 – 2016 only.

² Hepatitis B: Unknown/Undetermined Status – these cases do not meet the criteria of either acute case or a chronic infection.