

Summary of Communicable Diseases

2015 – 2017

Interior Health and HSDA

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On 20 August 2018

Data Sources:

- 1) Sexually transmitted and blood-borne infection data, except Hepatitis C, were extracted from Cognos STI and HIV-AIDS data cubes on 03 Aug 2018.
- 2) All other communicable disease data were extracted from Panorama via CD Data Mart, extracted on 15 Feb 2018.
- 3) Population data for respective years was obtained from BC Stats on 30 July 2018.

Notes:

- Data is presented for the calendar years (January 1 – December 31)
 - STI and HIV data is available until November 30, 2017 only
- 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 2015 - 2017 Interior Health

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2013-2017 Average	
		2015	2016	2017	2015	2016	2017	Cases	Rate
Direct Contact & Respiratory	Creutzfeldt-Jakob Disease	1	0	0	0.1	0.0	0.0	0.6	0.1
	Legionella Infection	5	2	5	0.7	0.3	0.7	2.6	0.4
	Meningococcal Disease, Invasive	5	2	12	0.7	0.3	1.6	5.6	0.8
	Pneumococcal Disease, Invasive	70	67	78	9.5	9.0	10.3	64.6	8.7
	Streptococcal Disease, Group A, Invasive	33	55	77	4.5	7.4	10.2	45.4	6.1
	Tuberculosis, Active	8	12	11	1.1	1.6	1.5	12.6	1.7
Enteric, Food & Waterborne	Amebiasis	0	3	0	0.0	0.4	0.0	3.0	0.4
	Campylobacter Infection	229	236	283	30.9	31.7	37.4	239.6	32.4
	Cryptosporidium Infection	7	25	20	0.9	3.4	2.6	16.8	2.3
	Cyclospora Infection	2	1	9	0.3	0.1	1.2	4.2	0.6
	Escherichia coli Infection, shiga-toxigenic	15	33	37	2.0	4.4	4.9	29.6	4.0
	Giardia Infection	74	69	67	10.0	9.3	8.9	71.8	9.7
	Hepatitis A	1	5	2	0.1	0.7	0.3	3.2	0.4
	Hepatitis E	0	0	1	0.0	0.0	0.1	0.4	0.1
	Listeria Infection	1	1	1	0.1	0.1	0.1	0.8	0.1
	Paratyphoid Fever	0	1	0	0.0	0.1	0.0	1.6	0.2
	Salmonella Infection	199	171	165	26.9	22.9	21.8	153.8	20.8
	Shigella Infection	5	12	5	0.7	1.6	0.7	5.6	0.8
	Typhoid Fever	0	1	2	0.0	0.1	0.3	1.4	0.2
	Vibrio Infection	6	2	3	0.8	0.3	0.4	3.6	0.5
Yersinia infection	50	59	75	6.8	7.9	9.9	49.4	6.7	
Sexually Transmitted & Bloodborne	Chlamydia ¹	2005	2224	1943	270.7	298.4	256.7	1997.8	270.3
	Gonorrhea ¹	244	271	217	32.9	36.4	28.7	187.8	25.4
	Hepatitis C: Acute	12	6	27	1.6	0.8	3.6	11.2	1.5
	Hepatitis C: Chronic/Unknown	375	422	398	50.6	56.6	52.6	372.0	50.3
	HIV ¹	16	14	5	2.2	1.9	0.7	12.8	1.7
	Syphilis, Infectious ¹	22	34	31	3.0	4.6	4.1	19.4	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	0.8	0.1
	Hepatitis B: Chronic Carrier	17	12	22	2.3	1.6	2.9	19.0	2.6
	Hepatitis B: Unknown/Undetermined Status ²	6	17	9	0.8	2.3	1.2	10.0	1.4
	Influenza	310	447	717	41.9	60.0	94.7	407.0	55.1
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	2	2	4	0.3	0.3	0.5	4.2	0.6
	Pertussis	174	193	193	23.5	25.9	25.5	147.6	20.0
Vectorborne & Zoonotic	Hantavirus	0	0	4	0.0	0.0	0.5	1.0	0.1
	Lyme Disease	2	4	8	0.3	0.5	1.1	3.2	0.4
	Malaria	3	4	8	0.4	0.5	1.1	5.2	0.7
	West Nile Virus	0	0	1	0.0	0.0	0.1	0.4	0.1
	Zika Virus	0	3	1	0.0	0.4	0.1	0.8	0.1

1 STI and HIV data available until end of November 2017 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 2015 - 2017 East Kootenay

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2013-2017 Average	
		2015	2016	2017	2015	2016	2017	Cases	Rate
Direct Contact & Respiratory	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Legionella Infection	0	0	1	0.0	0.0	1.3	0.2	0.3
	Meningococcal Disease, Invasive	0	1	2	0.0	1.3	2.6	1.0	1.3
	Pneumococcal Disease, Invasive	12	7	8	15.6	9.1	10.4	6.8	8.8
	Streptococcal Disease, Group A, Invasive	3	7	5	3.9	9.1	6.5	3.8	4.9
	Tuberculosis, Active	2	2	1	2.6	2.6	1.3	1.2	1.6
Enteric, Food & Waterborne	Amebiasis	0	1	0	0.0	1.3	0.0	0.2	0.3
	Campylobacter Infection	30	29	29	38.9	37.5	37.7	27.4	35.6
	Cryptosporidium Infection	4	5	2	5.2	6.5	2.6	2.8	3.6
	Cyclospora Infection	1	0	0	1.3	0.0	0.0	0.4	0.5
	Escherichia coli Infection, shiga-toxigenic	3	8	4	3.9	10.4	5.2	4.6	6.0
	Giardia Infection	9	7	9	11.7	9.1	11.7	8.0	10.4
	Hepatitis A	0	1	1	0.0	1.3	1.3	0.6	0.8
	Hepatitis E	0	0	0	0.0	0.0	0.0	0.0	0.0
	Listeria Infection	0	0	1	0.0	0.0	1.3	0.4	0.5
	Paratyphoid Fever	0	0	0	0.0	0.0	0.0	0.2	0.3
	Salmonella Infection	33	17	25	42.8	22.0	32.5	20.6	26.8
	Shigella Infection	1	1	1	1.3	1.3	1.3	0.6	0.8
	Typhoid Fever	0	0	1	0.0	0.0	1.3	0.2	0.3
	Vibrio Infection	0	2	1	0.0	2.6	1.3	0.6	0.8
Yersinia infection	2	5	7	2.6	6.5	9.1	4.2	5.5	
Sexually Transmitted & Bloodborne	Chlamydia ¹	200	199	134	259.4	257.5	174.0	165.4	215.0
	Gonorrhea ¹	12	4	7	15.6	5.2	9.1	5.6	7.3
	Hepatitis C: Acute	5	0	3	6.5	0.0	3.9	2.0	2.6
	Hepatitis C: Chronic/Unknown	44	36	42	57.1	46.6	54.5	36.8	47.8
	HIV ¹	1	0	0	1.3	0.0	0.0	0.4	0.5
	Syphilis, Infectious ¹	2	3	6	2.6	3.9	7.8	2.2	2.9
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	2	3	4	2.6	3.9	5.2	2.2	2.9
	Hepatitis B: Unknown/Undetermined Status ²	1	2	1	1.3	2.6	1.3	0.8	1.0
	Influenza	63	65	139	81.7	84.1	180.5	70.4	91.5
	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	8	29	2	10.4	37.5	2.6	10.6	13.8
Vectorborne & Zoonotic	Hantavirus	0	0	1	0.0	0.0	1.3	0.2	0.3
	Lyme Disease	0	1	0	0.0	1.3	0.0	0.2	0.3
	Malaria	1	1	0	1.3	1.3	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 STI and HIV data available until end of November 2017 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
2015 - 2017
Kootenay Boundary**

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2013-2017 Average	
		2015	2016	2017	2015	2016	2017	Cases	Rate
Direct Contact & Respiratory	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Legionella Infection	1	0	0	1.3	0.0	0.0	0.2	0.3
	Meningococcal Disease, Invasive	1	0	0	1.3	0.0	0.0	0.4	0.5
	Pneumococcal Disease, Invasive	7	6	9	9.0	7.7	11.5	7.2	9.2
	Streptococcal Disease, Group A, Invasive	4	5	6	5.1	6.4	7.7	5.6	7.2
	Tuberculosis, Active	1	0	1	1.3	0.0	1.3	0.6	0.8
Enteric, Food & Waterborne	Amebiasis	0	0	0	0.0	0.0	0.0	0.4	0.5
	Campylobacter Infection	22	29	47	28.1	37.1	60.2	27.6	35.4
	Cryptosporidium Infection	1	6	0	1.3	7.7	0.0	2.0	2.6
	Cyclospora Infection	0	0	0	0.0	0.0	0.0	1.0	1.3
	Escherichia coli Infection, shiga-toxigenic	1	3	5	1.3	3.8	6.4	2.6	3.3
	Giardia Infection	12	13	10	15.3	16.6	12.8	11.0	14.1
	Hepatitis A	0	0	1	0.0	0.0	1.3	0.2	0.3
	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	0.0	0.0
	Paratyphoid Fever	0	0	0	0.0	0.0	0.0	0.0	0.0
	Salmonella Infection	27	30	28	34.5	38.3	35.9	23.0	29.5
	Shigella Infection	0	1	1	0.0	1.3	1.3	1.2	1.5
	Typhoid Fever	0	0	0	0.0	0.0	0.0	0.0	0.0
	Vibrio Infection	2	0	0	2.6	0.0	0.0	0.4	0.5
Yersinia infection	11	5	3	14.1	6.4	3.8	5.8	7.4	
Sexually Transmitted & Bloodborne	Chlamydia ¹	130	149	148	166.3	190.4	189.6	144.6	185.7
	Gonorrhea ¹	23	12	6	29.4	15.3	7.7	10.6	13.6
	Hepatitis C: Acute	0	0	0	0.0	0.0	0.0	0.4	0.5
	Hepatitis C: Chronic/Unknown	42	45	39	53.7	57.5	50.0	40.6	52.1
	HIV ¹	1	2	0	1.3	2.6	0.0	1.0	1.3
	Syphilis, Infectious ¹	2	5	5	2.6	6.4	6.4	3.0	3.9
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	1	0.0	0.0	1.3	0.2	0.3
	Hepatitis B: Unknown/Undetermined Status ²	0	2	1	0.0	2.6	1.3	1.0	1.3
	Influenza	40	41	59	51.2	52.4	75.6	36.8	47.3
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	0	0	1	0.0	0.0	1.3	1.0	1.3
	Pertussis	37	44	45	47.3	56.2	57.7	42.4	54.5
Vectorborne & Zoonotic	Hantavirus	0	0	0	0.0	0.0	0.0	0.0	0.0
	Lyme Disease	0	0	2	0.0	0.0	2.6	0.4	0.5
	Malaria	0	0	0	0.0	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 STI and HIV data available until end of November 2017 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 2015 - 2017 Okanagan

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2013-2017 Average	
		2015	2016	2017	2015	2016	2017	Cases	Rate
Direct Contact & Respiratory	Creutzfeldt-Jakob Disease	1	0	0	0.3	0.0	0.0	0.6	0.2
	Legionella Infection	3	0	4	0.8	0.0	1.1	1.6	0.4
	Meningococcal Disease, Invasive	3	1	7	0.8	0.3	1.9	2.8	0.8
	Pneumococcal Disease, Invasive	26	34	41	7.2	9.4	11.0	30.4	8.4
	Streptococcal Disease, Group A, Invasive	18	16	47	5.0	4.4	12.6	21.6	6.0
	Tuberculosis, Active	4	6	6	1.1	1.7	1.6	7.2	2.0
Enteric, Food & Waterborne	Amebiasis	0	0	0	0.0	0.0	0.0	0.6	0.2
	Campylobacter Infection	110	102	116	30.4	28.1	31.1	111.0	30.8
	Cryptosporidium Infection	0	2	4	0.0	0.6	1.1	3.2	0.9
	Cyclospora Infection	0	0	7	0.0	0.0	1.9	2.0	0.6
	Escherichia coli Infection, shiga-toxigenic	7	13	17	1.9	3.6	4.6	12.0	3.3
	Giardia Infection	36	24	27	10.0	6.6	7.2	31.8	8.8
	Hepatitis A	1	4	0	0.3	1.1	0.0	1.6	0.4
	Hepatitis E	0	0	0	0.0	0.0	0.0	0.2	0.1
	Listeria Infection	1	0	0	0.3	0.0	0.0	0.2	0.1
	Paratyphoid Fever	0	0	0	0.0	0.0	0.0	1.0	0.3
	Salmonella Infection	85	76	66	23.5	20.9	17.7	64.4	17.9
	Shigella Infection	3	9	3	0.8	2.5	0.8	3.2	0.9
	Typhoid Fever	0	1	1	0.0	0.3	0.3	1.0	0.3
	Vibrio Infection	2	0	0	0.6	0.0	0.0	1.4	0.4
Yersinia infection	26	32	40	7.2	8.8	10.7	24.6	6.8	
Sexually Transmitted & Bloodborne	Chlamydia ¹	997	1046	965	275.8	287.9	258.9	979.8	271.8
	Gonorrhea ¹	100	75	78	27.7	20.6	20.9	69.4	19.3
	Hepatitis C: Acute	6	5	14	1.7	1.4	3.8	6.0	1.7
	Hepatitis C: Chronic/Unknown	181	193	201	50.1	53.1	53.9	178.0	49.4
	HIV ¹	7	7	2	1.9	1.9	0.5	5.6	1.6
	Syphilis, Infectious ¹	9	23	14	2.5	6.3	3.8	10.0	2.8
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	0.4	0.1
	Hepatitis B: Chronic Carrier	8	5	10	2.2	1.4	2.7	10.4	2.9
	Hepatitis B: Unknown/Undetermined Status ²	4	6	5	1.1	1.7	1.3	5.2	1.4
	Influenza	109	211	355	30.2	58.1	95.2	195.0	54.1
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	2	2	2	0.6	0.6	0.5	1.4	0.4
	Pertussis	107	105	107	29.6	28.9	28.7	73.8	20.5
Vectorborne & Zoonotic	Hantavirus	0	0	0	0.0	0.0	0.0	0.0	0.0
	Lyme Disease	2	2	3	0.6	0.6	0.8	1.6	0.4
	Malaria	2	0	5	0.6	0.0	1.3	1.6	0.4
	West Nile Virus	0	0	1	0.0	0.0	0.3	0.4	0.1
	Zika Virus	0	3	1	0.0	0.8	0.3	0.8	0.2

1 STI and HIV data available until end of November 2017 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
2015 - 2017
Thompson Cariboo Shuswap**

Disease		Counts and Rates of Reported Cases							
		Number of cases			Rates (per 100,000)			2013-2017 Average	
		2015	2016	2017	2015	2016	2017	Cases	Rate
Direct Contact & Respiratory	Creutzfeldt-Jakob Disease	0	0	0	0.0	0.0	0.0	0.0	0.0
	Legionella Infection	1	2	0	0.4	0.9	0.0	0.6	0.3
	Meningococcal Disease, Invasive	1	0	3	0.4	0.0	1.3	1.4	0.6
	Pneumococcal Disease, Invasive	25	20	20	11.2	8.8	8.7	20.2	9.0
	Streptococcal Disease, Group A, Invasive	8	27	19	3.6	11.9	8.3	14.4	6.4
	Tuberculosis, Active	1	4	3	0.4	1.8	1.3	3.6	1.6
Enteric, Food & Waterborne	Amebiasis	0	2	0	0.0	0.9	0.0	1.8	0.8
	Campylobacter Infection	67	76	91	29.9	33.6	39.7	73.6	32.9
	Cryptosporidium Infection	2	12	14	0.9	5.3	6.1	8.8	3.9
	Cyclospora Infection	1	1	2	0.4	0.4	0.9	0.8	0.4
	Escherichia coli Infection, shiga-toxigenic	4	9	11	1.8	4.0	4.8	10.4	4.6
	Giardia Infection	17	25	21	7.6	11.0	9.2	21.0	9.4
	Hepatitis A	0	0	0	0.0	0.0	0.0	0.8	0.4
	Hepatitis E	0	0	1	0.0	0.0	0.4	0.2	0.1
	Listeria Infection	0	1	0	0.0	0.4	0.0	0.2	0.1
	Paratyphoid Fever	0	1	0	0.0	0.4	0.0	0.4	0.2
	Salmonella Infection	54	48	46	24.1	21.2	20.1	45.8	20.4
	Shigella Infection	1	1	0	0.4	0.4	0.0	0.6	0.3
	Typhoid Fever	0	0	0	0.0	0.0	0.0	0.2	0.1
	Vibrio Infection	2	0	2	0.9	0.0	0.9	1.2	0.5
	Yersinia infection	11	17	25	4.9	7.5	10.9	14.8	6.6
Sexually Transmitted & Bloodborne	Chlamydia ¹	678	830	696	302.7	366.6	303.7	708.0	316.1
	Gonorrhea ¹	109	180	126	48.7	79.5	55.0	102.2	45.6
	Hepatitis C: Acute	1	1	10	0.4	0.4	4.4	2.8	1.3
	Hepatitis C: Chronic/Unknown	108	148	116	48.2	65.4	50.6	116.6	52.1
	HIV ¹	7	5	3	3.1	2.2	1.3	5.8	2.6
	Syphilis, Infectious ¹	9	3	6	4.0	1.3	2.6	4.2	1.9
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	0.4	0.2
	Hepatitis B: Chronic Carrier	7	4	7	3.1	1.8	3.1	6.2	2.8
	Hepatitis B: Unknown/Undetermined Status ²	1	7	2	0.4	3.1	0.9	3.0	1.3
	Influenza	98	130	164	43.8	57.4	71.6	104.8	46.8
	Measles	0	0	0	0.0	0.0	0.0	0.0	0.0
	Mumps	0	0	1	0.0	0.0	0.4	1.8	0.8
	Pertussis	22	15	39	9.8	6.6	17.0	20.8	9.3
Vectorborne & Zoonotic	Hantavirus	0	0	3	0.0	0.0	1.3	0.8	0.4
	Lyme Disease	0	1	3	0.0	0.4	1.3	1.0	0.4
	Malaria	0	3	3	0.0	1.3	1.3	1.6	0.7
	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 STI and HIV data available until end of November 2017 only

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