

TB Annual Surveillance Report 2025

Supplemental Appendix

All data are preliminary and subject to change.

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S1. TB Disease Rates** in BC and Canada, 2016 to 2025

Year	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
BC+	5.2	6.2	6.0	6.1	6.1	6.2	6.1	6.7	6.0	6.3
Canada**	4.9	5.0	4.8	5.1	4.7	4.9	5.1	5.6	6.1	NA

*All rates are per 100,000 population. +Population denominators come from 2024 Population Estimates from BC Statistics. **Canadian rates from the Public Health Agency of Canada¹.

S2-A. People With TB Disease by Sex and Age Group in BC, 2016 to 2025

Gender	Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Female	<1 Year	1	0	0	0	0	0	0	0	0	2
	1-4 Years	1	1	0	1	2	0	0	3	0	2
	5-9 Years	2	0	0	0	0	1	0	1	0	1
	10-19 Years	4	7	5	11	14	6	7	6	8	8
	20-39 Years	42	45	40	47	47	49	55	59	64	60
	40-59 Years	17	30	41	21	27	45	26	41	32	29
	60+ Years	52	60	53	66	57	60	68	60	53	57
Male	<1 Year	0	1	0	1	0	0	0	0	0	0
	1-4 Years	1	3	2	0	0	3	0	2	1	1
	5-9 Years	0	2	0	1	0	0	0	0	2	2
	10-19 Years	4	8	3	7	6	1	6	11	6	3
	20-39 Years	28	32	50	44	52	55	38	66	52	69
	40-59 Years	44	41	37	32	43	35	52	52	46	30
	60+ Years	59	78	72	83	67	69	76	68	78	94

*Age at time of diagnosis

S2-B. TB Disease Rates by Sex and Age Group in BC, 2016 to 2025

Gender	Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Female	<1 Year	4.6	0	0	0	0	0	0	0	0	9.3
	1-4 Years	1.1	1.1	0	1.1	2.2	0	0	3.4	0	2.4
	5-9 Years	1.7	0	0	0	0	0.8	0	0.8	0	0.8
	10-19 Years	1.6	2.8	2	4.3	5.5	2.4	2.7	2.2	2.9	2.9
	20-39 Years	6.5	6.8	5.8	6.6	6.5	6.7	7.3	7.3	7.6	7.3
	40-59 Years	2.4	4.2	5.9	3	3.9	6.5	3.7	5.8	4.4	4
	60+ Years	8.4	9.4	8	9.6	8.1	8.2	9.1	7.8	6.7	7
Male	<1 Year	0	4.3	0	4.5	0	0	0	0	0	0
	1-4 Years	1	3.1	2.1	0	0	3.2	0	2.2	1.1	1.1
	5-9 Years	0	1.6	0	0.8	0	0	0	0	1.5	1.5
	10-19 Years	1.5	3	1.1	2.6	2.2	0.4	2.1	3.8	2	1
	20-39 Years	4.2	4.7	7	6	6.9	7.2	4.8	7.9	5.9	8
	40-59 Years	6.5	6.1	5.5	4.8	6.4	5.2	7.7	7.6	6.6	4.3
	60+ Years	10.6	13.6	12.1	13.5	10.6	10.6	11.4	9.9	11.1	13

*Age at time of diagnosis

S3-A. Percentage of TB Disease Among Canadian Born Population by Age Group, 2016 to 2025

Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<1 Year	3.0	2.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	6.9
1-4 Years	6.1	6.8	0.0	0.0	4.1	4.3	0.0	13.2	2.9	10.3
5-9 Years	6.1	4.5	0.0	0.0	0.0	2.1	0.0	2.6	2.9	6.9
10-19 Years	3.0	9.1	0.0	8.5	10.2	2.1	4.3	2.6	5.7	3.4
20-39 Years	24.2	31.8	18.8	19.1	20.4	21.3	21.3	34.2	14.3	13.8
40-59 Years	27.3	29.5	40.6	29.8	36.7	38.3	34.0	23.7	45.7	31.0
60+ Years	30.3	15.9	40.6	40.4	28.6	31.9	40.4	23.7	28.6	27.6

*Age at time of diagnosis

S3-B. Percentage of TB Disease Among Population Born Outside Canada by Age Group, 2016 to 2025

Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<1 Year	0	0	0	0	0	0	0	0	0	0
1-4 Years	0	0	1	0	0	0	0	0	0	0
5-9 Years	0	0	0	0	0	0	0	0	0	0
10-19 Years	3	4	3	5	6	2	4	5	4	3
20-39 Years	28	24	31	31	33	34	30	34	36	38
40-59 Years	23	22	24	14	20	22	22	25	20	15
60+ Years	45	49	41	49	41	41	45	36	39	43

*Age at time of diagnosis

S3-C. People With TB Disease by Country of Birth and Health Authority in BC, 2016 to 2025

Health Authority*	Country of Birth	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Interior Health	Born Outside of Canada	10	12	13	10	11	12	14	17	14	20
	Canadian Born	2	1	5	1	4	5	1	3	1	3
Fraser Health	Born Outside of Canada	115	133	146	146	148	162	170	169	183	178
	Canadian Born	8	18	18	19	23	12	9	11	10	11
Vancouver Coastal Health	Born Outside of Canada	78	106	93	87	94	83	75	110	91	89
	Canadian Born	13	13	4	11	11	9	17	13	11	7
Island Health	Born Outside of Canada	6	8	14	13	9	11	16	21	15	28
	Canadian Born	3	7	2	10	4	11	12	9	9	4
Northern Health	Born Outside of Canada	2	0	3	8	1	8	5	14	2	4
	Canadian Born	7	5	3	6	7	10	8	2	4	4

*Residence at time of diagnosis

S4-A. Time to TB Disease Diagnosis Since Arrival in Canada for Population Born Outside of Canada, 2016 to 2025 (Count)

Time to Diagnosis	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Less than 2 years	28	33	45	39	44	32	33	83	88	66
Between 2 and 5 years	27	30	33	29	38	48	43	27	31	41
Between 5 and 10 years	22	30	27	27	31	37	25	45	29	30
Between 10 and 20 years	34	47	46	31	35	33	42	45	43	44
More than 20 years	76	85	66	95	75	95	101	94	83	94

S4-B. Percentage of Time to TB Disease Diagnosis Since Arrival in Canada for Population Born Outside of Canada, 2016 to 2025 (Rate per 100,000 Population)

Time to Diagnosis	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Less than 2 years	15	15	21	18	20	13	14	28	32	24
Between 2 and 5 years	14	13	15	13	17	20	18	9	11	15
Between 5 and 10 years	12	13	12	12	14	15	10	15	11	11
Between 10 and 20 years	18	21	21	14	16	13	17	15	16	16
More than 20 years	41	38	30	43	34	39	41	32	30	34

S4-C. People With TB Disease by Site of Disease, 2016 to 2025

Site of Disease	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Non-respiratory only	55	67	70	67	63	70	81	80	63	42
Respiratory*	200	241	233	247	252	254	247	288	269	282

*Respiratory includes all diagnoses defined as pulmonary, primary, miliary, and other pulmonary (see case definition)

S4-D. People With TB Disease by Site of Disease, 2016 to 2025

Site of Disease	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Non-respiratory only**	55	67	70	67	63	70	81	80	63	42
Respiratory*	200	241	233	247	252	254	247	288	269	282

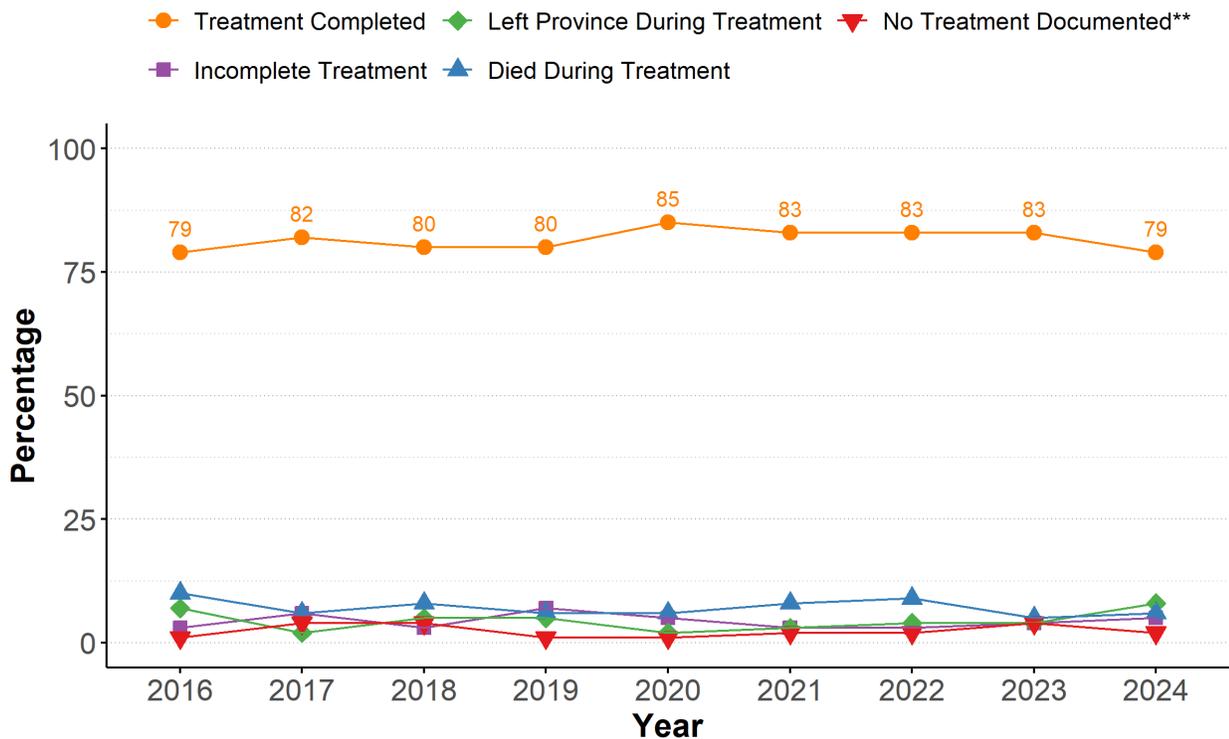
*Respiratory includes all diagnoses defined as pulmonary, primary, miliary, and other pulmonary (see case definition)

S5-A. Percentage of People With TB Disease by Treatment Outcome, 2016 to 2024

Treatment Outcome*	2016	2017	2018	2019	2020	2021	2022	2023	2024
Treatment Completed	78	82	80	80	85	84	83	83	79
- Within 12 Months	64	70	71	65	68	76	74	75	72
- Greater Than 12 Months	14	12	9	15	17	8	9	8	7
Incomplete Treatment	3	6	3	7	5	3	3	4	5
Left Province During Treatment	7	2	5	5	2	3	4	4	8
Died During Treatment	10	6	8	6	6	8	9	5	6
No Treatment Documented**	1	4	4	1	1	2	2	4	2

*Excluding those diagnosed post-mortem. See case definitions. **People without documented treatment may include individuals for whom follow-up is ongoing, individuals who were not treated, and/or instances where treatment information was not adequately captured within Panorama; data remediation is routinely ongoing.

S5-B. Percentage of People With TB Disease by Treatment Outcome*, 2016 to 2024



*Excluding those diagnosed post-mortem. See case definitions. **People without documented treatment may include individuals for whom follow-up is ongoing, individuals who were not treated, and/or instances where treatment information was not adequately captured within Panorama; data remediation is routinely ongoing.

S5-C. People With TB Disease by Reason for Incomplete Treatment, 2016 to 2024

Reason	2016	2017	2018	2019	2020	2021	2022	2023	2024
Drug Reaction/Intolerance	2	0	1	4	3	4	2	5	2
Lost to Follow Up	2	7	5	10	4	3	2	4	5
Non-Adherence	2	1	3	1	2	0	2	0	2
Other	0	1	0	5	4	1	1	3	4
Unknown	2	8	0	1	3	1	3	1	5

S5-D. Percentage of People With TB Disease by Reason for Incomplete Treatment, 2016 to 2024

Documented Reason	2016	2017	2018	2019	2020	2021	2022	2023	2024
Drug Reaction/Intolerance	25	0	11	19	19	44	20	38	11
Lost to Follow Up	25	41	56	48	25	33	20	31	28
Non-Adherence	25	6	33	5	13	0	20	0	11
Other	0	6	0	24	25	11	10	23	22
Unknown	25	47	0	5	19	11	30	8	28

S6-A - Died During Treatment by Sex and Age, 2024

Gender	Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Female	10-19 Years	0	0	0	1	0	0	0	0	0	0
	20-39 Years	0	0	0	0	1	0	0	1	0	0
	40-59 Years	1	0	0	0	2	1	0	1	2	0
	60+ Years	4	8	5	10	8	11	9	5	5	4
Male	<1 Year	0	1	0	0	0	0	0	0	0	0
	20-39 Years	0	0	2	0	0	0	1	0	1	1
	40-59 Years	5	0	2	1	2	1	3	5	1	2
	60+ Years	16	10	15	8	8	14	15	7	12	13

*Age at diagnosis

S6-B - Died During Treatment by Length of Treatment, 2024

Treatment Duration Before Death	2016	2017	2018	2019	2020	2021	2022	2023	2024
< 12 weeks	13 (50%)	10 (53%)	15 (63%)	15 (75%)	12 (57%)	22 (81%)	16 (57%)	13 (68%)	15 (71%)
12-26 weeks	8 (31%)	2 (11%)	3 (13%)	3 (15%)	6 (29%)	2 (7%)	4 (14%)	4 (21%)	1 (5%)
27-52 weeks	2 (8%)	1 (5%)	5 (21%)	1 (5%)	3 (14%)	3 (11%)	6 (21%)	2 (11%)	4 (19%)
> 52 weeks	0 (0%)	0 (0%)	1 (4%)	1 (5%)	0 (0%)	0 (0%)	1 (4%)	0 (0%)	1 (5%)
Unknown	3 (12%)	6 (32%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (4%)	0 (0%)	0 (0%)
Total died during treatment	26	19	24	20	21	27	28	19	21

S7-A. People With TB Disease with Drug Resistance, 2016 to 2025

Resistance	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Isoniazid Only	19	16	18	21	23	28	19	22	26	23
Rifampin Only	0	0	2	0	0	0	1	1	1	0
Multi-Drug*	3	2	1	2	2	1	5	5	4	8
Susceptible**	173	240	231	244	253	246	267	284	258	268
No Resistance Information Documented	60	50	51	47	37	49	36	57	53	59

*Multi-drug resistance is defined as resistance to both isoniazid and rifampin

**Susceptible to isoniazid and rifampin

S7-B. Percentage of People With TB Disease with Drug Resistance, 2016 to 2025

Resistance	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Isoniazid Only	7.5	5.2	5.9	6.7	7.3	8.6	5.8	6.0	7.6	6.4
Rifampin Only	0.0	0.0	0.7	0.0	0.0	0.0	0.3	0.3	0.3	0.0
Multi-Drug*	1.2	0.6	0.3	0.6	0.6	0.3	1.5	1.4	1.2	2.2

*Multi-drug resistance is defined as resistance to both isoniazid and rifampin

S8-A Number of Contacts of People With Respiratory TB Disease in BC by Health Authority*, 2016 to 2025

Region	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Interior Health	279	389	178	128	155	235	81	448	534	248
Fraser Health	862	1,045	1,532	1,201	614	631	359	541	528	315
Vancouver Coastal Health	379	432	357	290	334	384	317	319	180	154
Island Health	88	477	221	457	124	164	131	313	255	406
Northern Health	219	120	78	118	73	116	104	41	28	32

*Residence at time of diagnosis

S8-B Number of Contacts per Person With Respiratory TB Disease in BC by Health Authority*, 2016 to 2025

Region	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Interior Health	21.5	29.9	9.9	11.6	10.3	13.8	5.4	22.4	35.6	9.9
Fraser Health	6.7	6.9	9.3	7.2	3.6	3.6	2.0	3.0	2.7	1.7
Vancouver Coastal Health	4.0	3.6	3.7	2.9	3.2	4.2	3.4	2.6	1.7	1.6
Island Health	9.8	28.1	13.8	19.9	9.5	7.5	4.7	10.4	10.6	11.3
Northern Health	21.9	24.0	9.8	8.4	8.1	6.4	8.0	2.6	4.7	4.0

*Residence at time of diagnosis

S9. Mean, Median, Max, and Total Number of Contacts* Reported per Person With Respiratory TB Disease in BC, 2016 to 2025

Measure	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Mean	9.3	10.3	10.2	8.9	5.2	6.0	4.0	5.8	5.7	4.1
Median	6.0	5.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
Max	89	234	98	216	44	78	36	205	291	160
Total	1,869	2,471	2,370	2,197	1,300	1,530	992	1,662	1,527	1,157

* Excludes anonymous contacts

S10-A. Contacts of People With Respiratory TB Disease in BC by Age Group, 2016 to 2025

Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<1 Year	29	21	26	18	24	19	24	26	17	24
1-4 Years	112	157	91	105	55	52	80	92	70	56
5-9 Years	87	68	76	45	53	54	34	48	45	27
10-19 Years	111	134	157	300	126	257	76	125	62	87
20-39 Years	570	754	883	679	453	483	326	520	554	362
40-59 Years	568	813	793	711	356	392	277	475	491	327
60+ Years	388	524	344	339	233	273	175	376	288	274

*Age of contact at time of source TB diagnosis

S10-B. Percentage of Contacts of Respiratory People With TB Disease in BC by Age Group, 2016 to 2025

Age Group*	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<1 Year	2	1	1	1	2	1	2	2	1	2
1-4 Years	6	6	4	5	4	3	8	6	5	5
5-9 Years	5	3	3	2	4	4	3	3	3	2
10-19 Years	6	5	7	14	10	17	8	8	4	8
20-39 Years	30	31	37	31	35	32	33	31	36	31
40-59 Years	30	33	33	32	27	26	28	29	32	28
60+ Years	21	21	15	15	18	18	18	23	19	24
Unknown	0	0	0	0	0	0	0	0	0	0

*Age of contact at time of source TB diagnosis

S11-A. Contacts of People With Respiratory TB Disease in BC by Country of Birth, 2016 to 2025

Country of Birth	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Born Outside of Canada	762	970	1,179	758	620	703	468	714	637	502
Canadian Born	782	994	922	936	503	653	390	636	602	439
Missing*	325	507	269	503	177	174	134	312	288	216

*Unknown or undocumented country of birth

S11-B. Percentage of Contacts of People With Respiratory TB Disease in BC by Country of Birth, 2016 to 2025

Country of Birth	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Born Outside of Canada	41	39	50	35	48	46	47	43	42	43
Canadian Born	42	40	39	43	39	43	39	38	39	38
Missing*	17	21	11	23	14	11	14	19	19	19

*Unknown or undocumented country of birth

S12-A. Contact Tracing Indicators Among Contacts of People With Respiratory TB Disease* in BC Aged 5 Years and Older by Completion at 12 Weeks After Index Person Diagnosis, 2022 to 2024

Indicator	2022	2023	2024
Number of contacts	992	1,659	1,526
Started initial assessment	640	1,145	1,066
Completed initial assessment*	627	1,124	1,042
- IGRA	30	33	101
- TST	384	844	658
- XRay	213	247	283
Secondary diagnoses	7	11	6
Positive screen**	129	207	217
- IGRA	12	13	21
- TST	117	194	196
Started treatment	26	24	29
Completed treatment	0	0	0

*Using earliest screening date

**For contacts with both IGRA and TST positive results, the IGRA date and result was used

S12-B. Contact Tracing Indicators Among Contacts of People With Respiratory TB Disease* in BC Aged 5 Years and Older by Completion at 26 Weeks After Index Person Diagnosis, 2022 to 2024

Indicator	2022	2023	2024
Number of contacts	992	1,659	1,526
Started initial assessment	786	1,387	1,272
Completed initial assessment*	782	1,377	1,258
- IGRA	40	42	109
- TST	481	1,031	824
- XRay	261	304	325
Secondary diagnoses	9	13	11
Positive screen**	183	293	298
- IGRA	32	34	31
- TST	151	259	267
Started treatment	81	102	99
Completed treatment	14	15	15

*Using earliest screening date

**For contacts with both IGRA and TST positive results, the IGRA date and result was used

S12-C. Contact Tracing Indicators Among Contacts of People With Respiratory TB Disease* in BC Aged 5 Years and Older by Completion at 2 Years After Index Person Diagnosis, 2022 to 2024

Indicator	2022	2023	2024
Number of contacts	992	1,659	1,526
Started initial assessment	915	1,473	1,356
Completed initial assessment*	911	1,463	1,343
- IGRA	43	42	112
- TST	576	1,098	889
- XRay	292	323	342
Secondary diagnoses	13	16	14
Positive screen**	240	332	334
- IGRA	51	48	39
- TST	189	284	295
Started treatment	145	192	167
Completed treatment	119	168	141

*Using earliest screening date

**For contacts with both IGRA and TST positive results, the IGRA date and result was used

S13-A. Total People Started on TPT by Treatment Outcome, 2016 to 2024

Treatment Outcome	2016	2017	2018	2019	2020	2021	2022	2023	2024
Treatment Completed	454	504	618	585	526	568	633	845	973
- Within 6 Months	171	184	391	439	398	429	521	704	825
- Within 6 - 12 Months	276	310	222	143	121	131	105	138	138
- Greater Than 12 Months	7	10	5	3	7	8	7	3	10
Incomplete Treatment	221	182	212	180	116	96	130	155	187
Total	675	686	830	765	642	664	763	1,000	1,160

S13-B. Percentage of People Started on TPT by Treatment Outcome, 2016 to 2024

Treatment Outcome	2016	2017	2018	2019	2020	2021	2022	2023	2024
Treatment Completed	67	73	75	76	82	86	83	84	84
- Within 6 Months	25	27	47	57	62	65	68	70	71
- Within 6 - 12 Months	41	45	27	19	19	20	14	14	12
- Greater Than 12 Months	1	1	1	0	1	1	1	0	1
Incomplete Treatment	33	27	26	24	18	14	17	16	16