British Columbia
Syphilis Indicators

2022 Q2

Preliminary data and subject to change
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1. Infectious syphilis case reports in BC, 2010-2022*

*Projected case counts/rate assumes that the average number of reported cases per month year to date (YTD) will remain constant throughout 2022. See technical appendix (calculations) for more details.

-Note that 2018 to 2022 case counts are subject to change.

-Infectious Syphilis case reports exclude congenital syphilis cases.
2. Infectious syphilis case reports in BC by quarter

3. Infectious syphilis case reports in BC by month
Infectious Syphilis by Gender and Age Group

4. Infectious syphilis case reports in BC by gender, 2010-2022*

*Projected case counts.

Note: Collection on Transgender as a gender value began in 2018 in the new EMR system.
5. Rate of infectious syphilis case reports in BC by age group and by quarter - total

![Graph showing rate of infectious syphilis case reports in BC by age group and by quarter - total.]

6. Rate of infectious syphilis case reports in BC by age group and by quarter - female

![Graph showing rate of infectious syphilis case reports in BC by age group and by quarter - female.]

Syphilis Indicators in British Columbia: BCCDC CPS Surveillance Report
7. Rate of infectious syphilis case reports in BC by age group and by quarter - male
8. Infectious syphilis case reports in BC by health authority 2010-2022* - total

*Projected case counts

Note: Excludes missing and unknown geography.
9. Infectious syphilis case reports in BC by health authority 2010-2022* - female

*Projected case counts

Note: Excludes missing and unknown geography.
10. Infectious syphilis case reports in BC by health authority 2010-2022* - male

*Projected case counts

Note: Excludes missing and unknown geography.
11. Count of infectious syphilis case reports in BC by health authority and by quarter

![Graph showing infectious syphilis cases by quarter and health authority from 2015 Q1 to 2022 Q2.](image)

12. Rate of infectious syphilis case reports in BC by quarter

![Graph showing infectious syphilis rates per 100,000 population by quarter and health authority from 2015 Q1 to 2022 Q2.](image)
Infectious Syphilis by Gender and Gender of Sexual Partner

13. Proportion of infectious syphilis case reports by gender of sexual partner and by quarter

-Note: Gender of sexual partner is based on the “gender of sexual partners” variable values collected in Intrahealth Profile EMR which is structured as male, female, transgender and unknown. Data shown reflects male, female, and transgender responses only.

-Other gender of partner category includes cases who reported the gender(s) of their sexual partners as any of the following: Transgender; Female and Transgender; Male and Transgender; Male, Female and Transgender; Female partner (for female cases only).
Infectious Syphilis in by Stage of Infection

14. Proportion of infectious syphilis case reports in BC by stage of infection and by quarter

Note: Early Latent cases include both Early Latent and Early Latent Probable Stages
Infectious Neurosyphilis

15. Infectious neurosyphilis case reports in BC by quarter

![Graph showing the number of infectious neurosyphilis cases by quarter in BC.](image)
Infectious Syphilis among Females 15-49 years

16. Infectious syphilis case reports in BC among females 15-49 years, 2010-2022*

*Projected case counts.

Note: The number of infectious syphilis cases “Females 15-49 years” includes people of all genders who were assigned female at birth. The rate per 100,000 population uses the BC population data of people of female sex aged 15-49 years.
17. Infectious syphilis case reports in BC among females 15-49 years diagnosed during prenatal screening by quarter

Note: The number of infectious syphilis cases “Females 15-49 years” includes people of all genders who were assigned female at birth.
Congenital Syphilis

18. Congenital syphilis case reports in BC by stage, 1998-2022

<table>
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<tr>
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<th>Late Congenital</th>
<th>Early Congenital</th>
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<tr>
<td>2022</td>
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</tbody>
</table>
19. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - total

*Testing episode = 30-day window (see technical appendix for further details)

Note: Percent positivity is calculated as the number of infectious syphilis cases over testing episodes, where a testing episode is defined as a 30-day window.
20. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - female

*Testing episode = 30-day window (see technical appendix for further details).

Note: Percent positivity is calculated as the number of infectious syphilis cases over testing episodes, where a testing episode is defined as a 30-day window.

-The number of female syphilis non-prenatal testing episodes is based on sex reported on the laboratory requisition. The number of female infectious syphilis cases is based on gender variable values collected in Intrahealth Profile EMR.
21. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - male

*Testing episode = 30-day window (see technical appendix for further details).

Note: Percent positivity is calculated as the number of infectious syphilis cases over testing episodes, where a testing episode is defined as a 30-day window.

-The number of male syphilis non-prenatal testing episodes is based on sex reported on the laboratory requisition. The number of male infectious syphilis cases is based on gender variable values collected in Intrahealth Profile EMR.
Technical Appendix

British Columbia Syphilis Case Definitions
http://www.bccdc.ca/health-professionals/clinical-resources/case-definitions/syphilis

Data Sources

Case data: This report contains preliminary data on Infectious Syphilis. The STI-IS was sunsetting and a new electronic medical record system (EMR) went live on June 13th, 2018. The report contains data from the following sources:

- Cases reported up to March 12th, 2018: Data was extracted from the STIBBI Mart (source system STIIS);
- Cases reported after March 12th, 2018: Data was extracted from Intrahealth Profile EMR*.

*During the ongoing system transition, there will be slight changes in counts and categorization of some cases, reflecting differences in algorithms and data structure between the data sources.

Note: “Gender” is based on the gender variable values collected in Intrahealth Profile EMR which is structured as Male, Female, Transgender and Unknown. This variable is separate from the sex variable. “Females 15-49 years old” (Figures 23 and 24) is based on the sex variable values collected in Intrahealth Profile EMR which is structured as Male and Female.

Testing data: This report contains non-prenatal testing data for syphilis. A test episode consists of all tests conducted for an individual in a 30-day period (as follow-up or simultaneous test may be required to clarify test results within this period, for example).

-Syphilis testing episodes: Data was extracted from STIBBI.


***Please note that the data used to create the Q2 infectious syphilis report was extracted from EMR on July 15th, 2022.

Calculations

-The % change in cases compares the number of syphilis diagnoses during January-June 2022Q2 to January-June 2021Q2;

-The % change in incidence compares the projected annual incidence in 2022 to the annual incidence in 2021.