Table of Contents

Infectious Syphilis in British Columbia .............................................................................................................. 2
1. Infectious syphilis case reports in BC, 2010-2021* ....................................................................................... 2
2. Infectious syphilis case reports in BC by quarter ......................................................................................... 3
3. Infectious syphilis case reports in BC by month ......................................................................................... 4
Infectious Syphilis by Gender and Age Group .................................................................................................. 5
4. Infectious syphilis case reports in BC by gender, 2010-2021* .................................................................. 5
5. Rate of infectious syphilis case reports in BC by age group and by quarter - total .................................... 6
6. Rate of infectious syphilis case reports in BC by age group and by quarter - female ................................. 7
7. Rate of infectious syphilis case reports in BC by age group and by quarter - male ................................. 8
Infectious Syphilis by Health Authority ......................................................................................................... 9
8. Infectious syphilis case reports in BC by health authority 2010-2021* - total ........................................... 9
9. Infectious syphilis case reports in BC by health authority 2010-2021* - female ...................................... 10
10. Infectious syphilis case reports in BC by health authority 2010-2021* - male ....................................... 11
11. Count of infectious syphilis case reports in BC by health authority and by quarter .............................. 12
12. Rate of infectious syphilis case reports in BC by quarter ....................................................................... 13
Infectious Syphilis by Gender and Gender of Sexual Partner ...................................................................... 14
13. Proportion of infectious syphilis case reports by gender of sexual partner and by quarter ........................ 14
Infectious Syphilis in by Stage of Infection ...................................................................................................... 15
14. Proportion of infectious syphilis case reports in BC by stage of infection and by quarter ........................ 15
Infectious Neurosyphilis ................................................................................................................................ 16
15. Infectious neurosyphilis case reports in BC by quarter ........................................................................... 16
Infectious Syphilis among Females 15-49 years ............................................................................................... 17
16. Infectious syphilis case reports in BC among females 15-49 years, 2010-2021* ................................. 17
Infectious Syphilis Diagnosed During Prenatal Screening ............................................................................ 18
17. Infectious syphilis case reports in BC among females 15-49 years diagnosed during prenatal screening by quarter .............................................................................................................. 18
Congenital Syphilis ........................................................................................................................................ 19
18. Congenital syphilis case reports in BC by stage, 1998-2021................................................................. 19
Syphilis Testing Episodes ............................................................................................................................... 20
19. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - total ............................ 20
20. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - female ....................... 21
21. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - male ............................ 22
Technical Appendix ....................................................................................................................................... 23
British Columbia Syphilis Case Definitions ................................................................................................ 23
Data Sources .................................................................................................................................................. 23
Infectious Syphilis in British Columbia

1. Infectious syphilis case reports in BC, 2010-2021*

Preliminary data and subject to change

- *Projected case counts/rate assumes that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

- Note that 2018 to 2021 case counts are subject to change.

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

Preliminary data and subject to change
3. Infectious syphilis case reports in BC by month

Preliminary data and subject to change
Infectious Syphilis by Gender and Age Group

4. Infectious syphilis case reports in BC by gender, 2010-2021*

- Preliminary data and subject to change

- *Projected case counts assume that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

- Note: Gender is based on the gender 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.
5. Rate of infectious syphilis case reports in BC by age group and by quarter – total

Preliminary data and subject to change

-Note: Excludes cases where age could not be calculated due to missing date of birth.
6. Rate of infectious syphilis case reports in BC by age group and by quarter - female

Preliminary data and subject to change

-Note: Excludes cases where age could not be calculated due to missing date of birth.
7. Rate of infectious syphilis case reports in BC by age group and by quarter - male

Preliminary data and subject to change

-Note: Excludes cases where age could not be calculated due to missing date of birth.
Infectious Syphilis by Health Authority

8. Infectious syphilis case reports in BC by health authority 2010-2021* - total

- Fraser
- Interior
- Northern
- Vancouver Coastal
- Vancouver Island

Preliminary data and subject to change

*Projected case counts assume that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

- Note: Excludes missing and unknown geography.
9. Infectious syphilis case reports in BC by health authority 2010-2021* - female

Preliminary data and subject to change

*-Projected case counts assume that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

-Note: Excludes missing and unknown geography.
10. Infectious syphilis case reports in BC by health authority 2010-2021* - male

Preliminary data and subject to change

*Projected case counts assume that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

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

Preliminary data and subject to change

-Note: Excludes missing and unknown geography.
12. Rate of infectious syphilis case reports in BC by quarter

Preliminary data and subject to change

- Note: Excludes missing and unknown geography.
Infectious Syphilis by Gender and Gender of Sexual Partner

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

Preliminary data and subject to change

- 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

Preliminary data and subject to change
Infectious Neurosyphilis

15. Infectious neurosyphilis case reports in BC by quarter

Preliminary data and subject to change

Note: Infectious neurosyphilis cases include both neuro and or ocular body sites.
16. Infectious syphilis case reports in BC among females 15-49 years, 2010-2021*

Preliminary data and subject to change

*Projected case counts assume that the average number of reported cases per month year to date (YTD) will remain constant throughout 2021.

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.
Infectious Syphilis Diagnosed During Prenatal Screening

17. Infectious syphilis case reports in BC among females 15-49 years diagnosed during prenatal screening by quarter

Preliminary data and subject to change

-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.
Congenital Syphilis

18. Congenital syphilis case reports in BC by stage, 1998-2021

![Bar chart showing congenital syphilis cases by year and stage from 1998 to 2021. The chart indicates preliminary data and subject to change.](image-url)

Preliminary data and subject to change
Syphilis Indicators in British Columbia: BCCDC CPS Surveillance Report

19. Syphilis non-prenatal testing episodes* and percent positivity in BC by month - total

Preliminary data and subject to change

-*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

![Graph showing the number of syphilis non-prenatal testing episodes and percent positivity in BC by month for females.](image)

**Preliminary data and subject to change**

-\(^*\)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

Preliminary data and subject to change

- *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 sunsetted and a new electronic medical record system (Intrahealth Profile EMR) went live on March 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” 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 Q3 infectious syphilis report was extracted from Intrahealth Profile EMR on October 15th, 2021.