



New York City Department of Health & Mental Hygiene
Bureau of Hepatitis, HIV, and Sexually Transmitted Infections

New York City STI Surveillance Data, 2019-2020

Table. Cumulative numbers and rates per 100,000 population of infections reported to the Bureau of Hepatitis, HIV, and Sexually Transmitted Infections, overall and by reported sex, New York City, 2019-2020¹

Infection	2019 (final)		2020 (preliminary)	
	N	Rate	N	Rate
Chlamydia				
Citywide	76,206	908.29	55,964	671.29
Female	40,521	923.74	30,952	710.55
Male	35,568	888.44	24,913	626.62
Gonorrhea				
Citywide	28,973	345.32	24,943	299.19
Female	6,439	146.79	6,732	154.54
Male	22,438	560.47	18,131	456.04
Primary and Secondary Syphilis				
Citywide	1,987	23.68	2,184	26.20
Female	110	2.51	135	3.10
Male	1,864	46.56	2,025	50.93
Early, Non-Primary Non-Secondary Syphilis				
Citywide	3,678	43.84	3,943	47.30
Female	203	4.63	243	5.58
Male	3,436	85.83	3,618	91.00
Unknown Duration or Late Syphilis				
Citywide	2,675	31.88	2,235	26.81
Female	478	10.90	401	9.21
Male	2,176	54.35	1,803	45.35
Congenital Syphilis				
Citywide	17	16.60	18	18.20
Lymphogranuloma Venereum				
Citywide	8	0.10	8	0.10
Female	0	0.00	0	0.00
Male	8	0.20	8	0.20
Neonatal Herpes²				
Citywide	14	13.67		
Female	6	11.99		
Male	8	15.28		

¹ Numbers in this report should be interpreted in the context of the COVID-19 pandemic and the New York State “stay at home” order (“PAUSE”) which closed non-essential businesses, banned non-essential gatherings, and restricted public transportation use from March 23-June 7, 2020

² Reports for neonatal herpes cases in 2020 have not been finalized at the time of publication

Notes

Public health reporting

The Health Department receives reports from providers and laboratories for a number of infectious diseases, including sexually transmitted infections (STIs), as required by law in the New York City (NYC) Health Code. Basic demographic information on the person being tested is reported to the Health Department, including name, address, and date of birth. The following STIs are reportable to the Health Department within 24 hours of diagnosis:

- Chlamydia
- Chancroid
- Gonorrhea
- Granuloma inguinale (donovanosis)
- Herpes, neonatal (infants \leq 60 days)
- Lymphogranuloma venereum
- Syphilis (all stages, including congenital)

Annual summary data are limited to NYC residents.

Case counts vs. rates

The Health Department reports both counts and rates of cases. We report rates to allow comparison between different groups — such as by sex — with differently sized populations. For example, we may report that the rate of gonorrhea cases is 100 per 100,000 males in NYC. That means for every 100,000 males living in NYC, there are 100 males reported with a gonorrhea infection.

Calculation of rates per 100,000 people

Rates were calculated using interpolated intercensal population estimates, updated in 2020 by the Health Department's Bureau of Epidemiology Services. The Health Department produced these population estimates based on estimates from the U.S. Census Bureau and NYC Department of City Planning. Because of the schedule for releasing updated population estimates, 2019 and 2020 rates per 100,000 were calculated with 2018 and 2019 population estimates, respectively.

For congenital syphilis and neonatal herpes, rates were calculated using the number of live births among NYC residents. Because of the schedule for releasing updated vital statistics data, 2019 and 2020 rates per 100,000 were calculated with 2018 and 2019 live birth counts, respectively.

Reported sex

Information on the sex of people reported with an STI is based primarily on provider- and laboratory-reports received by the Bureau of Hepatitis, HIV, and STI, with additional information collected from case investigation or partner services interviews for specific infections (e.g., syphilis). The following options are included on the report form: male, female, and transgender. Due to the small number of cases among transgender/gender non-conforming people, data on these cases are not included in annual summary data at this time.

Additional Resources

- NYC Sexual Health Clinics: <https://www1.nyc.gov/site/doh/services/sexual-health-clinics.page>
- Provider reporting of STI/HIV: <https://www1.nyc.gov/site/doh/providers/reporting-and-services/reporting-central.page>
- NYC Syphilis Registry: <https://www1.nyc.gov/assets/doh/downloads/pdf/std/hcp-syphilis-registry-check.pdf>
- Provider Resources: <https://www1.nyc.gov/site/doh/providers/health-topics/stds.page>

Acknowledgements

Published by the Bureau of Hepatitis, HIV, and Sexually Transmitted Infections at the New York City Department of Health & Mental Hygiene.

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Thanks to all the staff of the Surveillance, Case Investigation and Partner Services Teams for collecting and collating the data presented in this report, and to the Epidemiology Team for preparing and reviewing this report.

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Suggested Citation:

New York City Department of Health & Mental Hygiene
Bureau of Hepatitis, HIV, and Sexually Transmitted Infections
New York City STI Surveillance Data, 2019-2020 October 2021