





Chlamydia Surveillance 2015-2019

Rhode Island Department of Health

Division of Preparedness, Response, Infectious
Disease and Emergency Medical Services

Center for HIV, Hepatitis, STD, and TB Epidemiology



About Chlamydia

- Chlamydia is caused by a bacteria that is transmitted through sexual contact.
- Most people with chlamydia are asymptomatic.
 - Symptoms in females may include burning when urinating and abnormal vaginal discharge.
 - Symptoms in males may include discharge from the penis, burning while urinating, and pain or swelling of the testicles.
- Sexually active young people and gay, bisexual, and other men who have sex with men are at a higher risk of getting chlamydia.
- Chlamydia is the most common notifiable disease in the United States.



Data Overview, Chlamydia

- There were 5,717 reported cases of chlamydia in RI in 2019.
- The incidence rate in Rhode Island was 542.2 cases per 100,000 in 2019.
- The highest rates of chlamydia are seen in Providence County.

Reported Cases of Chlamydia, Rhode Island, 2015-2019

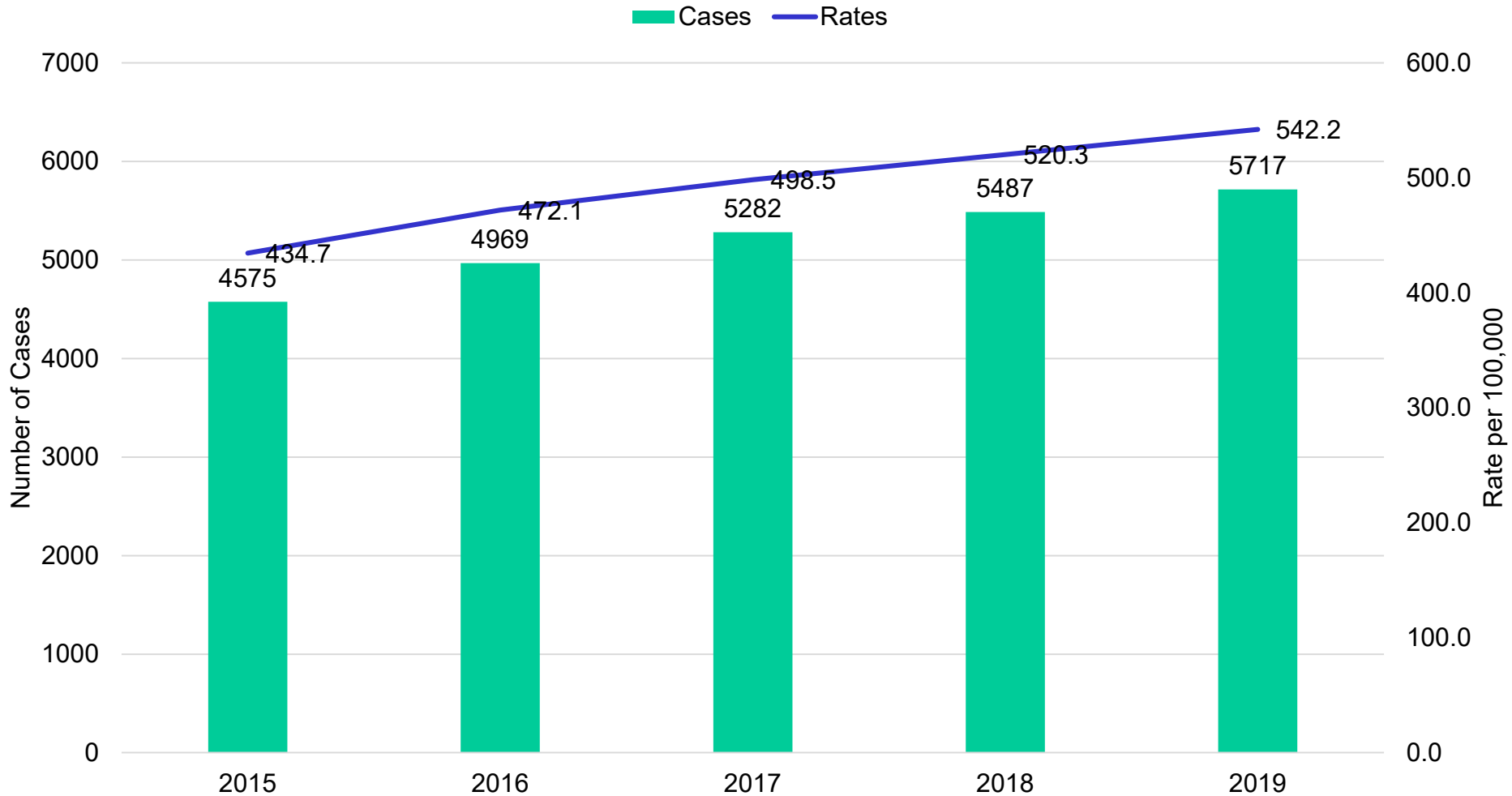


Figure 1: In 2019, there were 5,717 cases of chlamydia reported in Rhode Island, at a rate of 542.2 cases per 100,000 population. Chlamydia cases increased by 4.2% since 2018.

Rate of Chlamydia, Age Group, Rhode Island, 2019

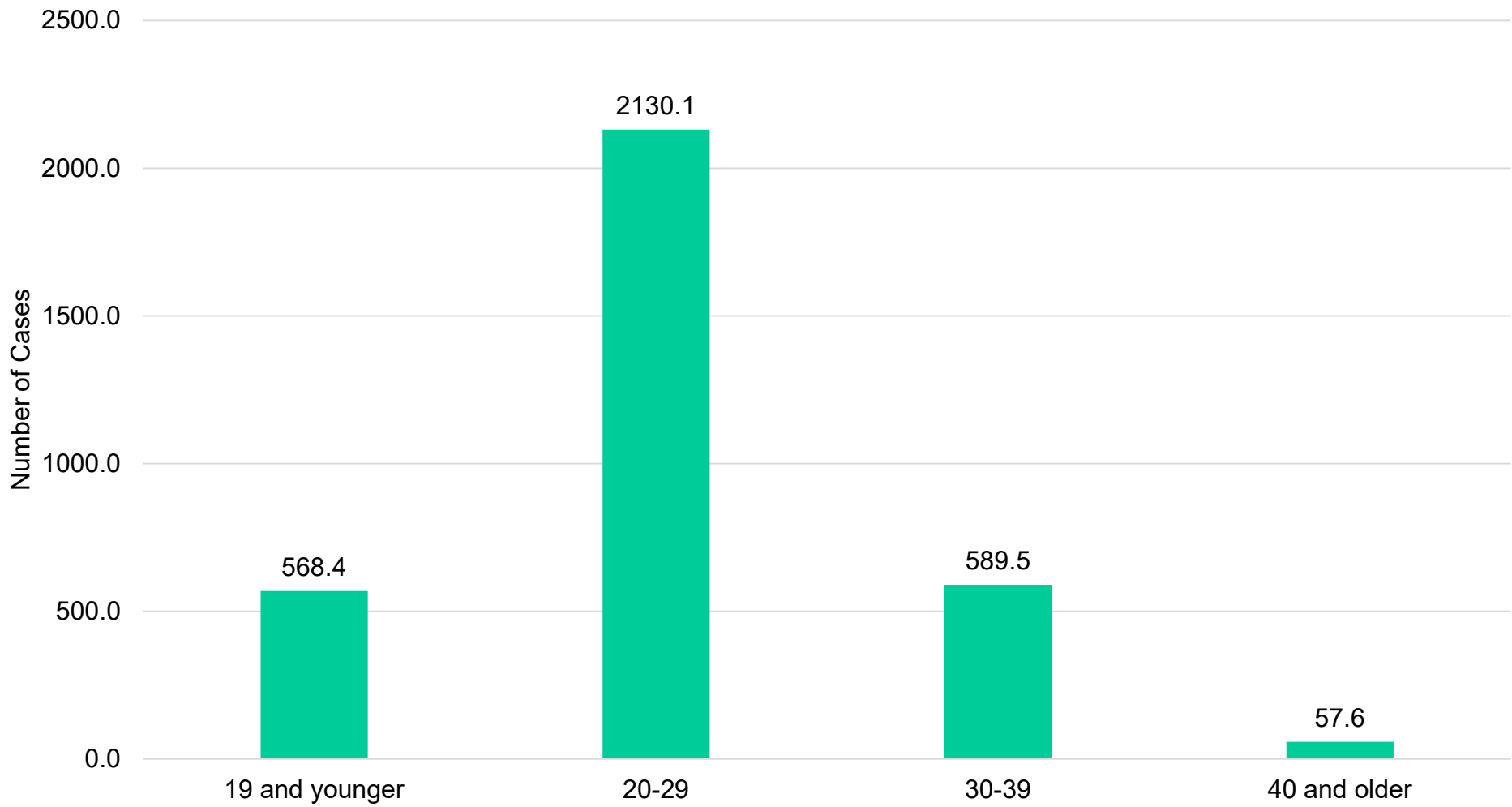


Figure 2: In 2019, chlamydia rates were highest in the 20-29 year old age group, followed by those 30-39 years old and those 19 and younger.

Rate of Chlamydia, Sex and Year, Rhode Island, 2015-2019

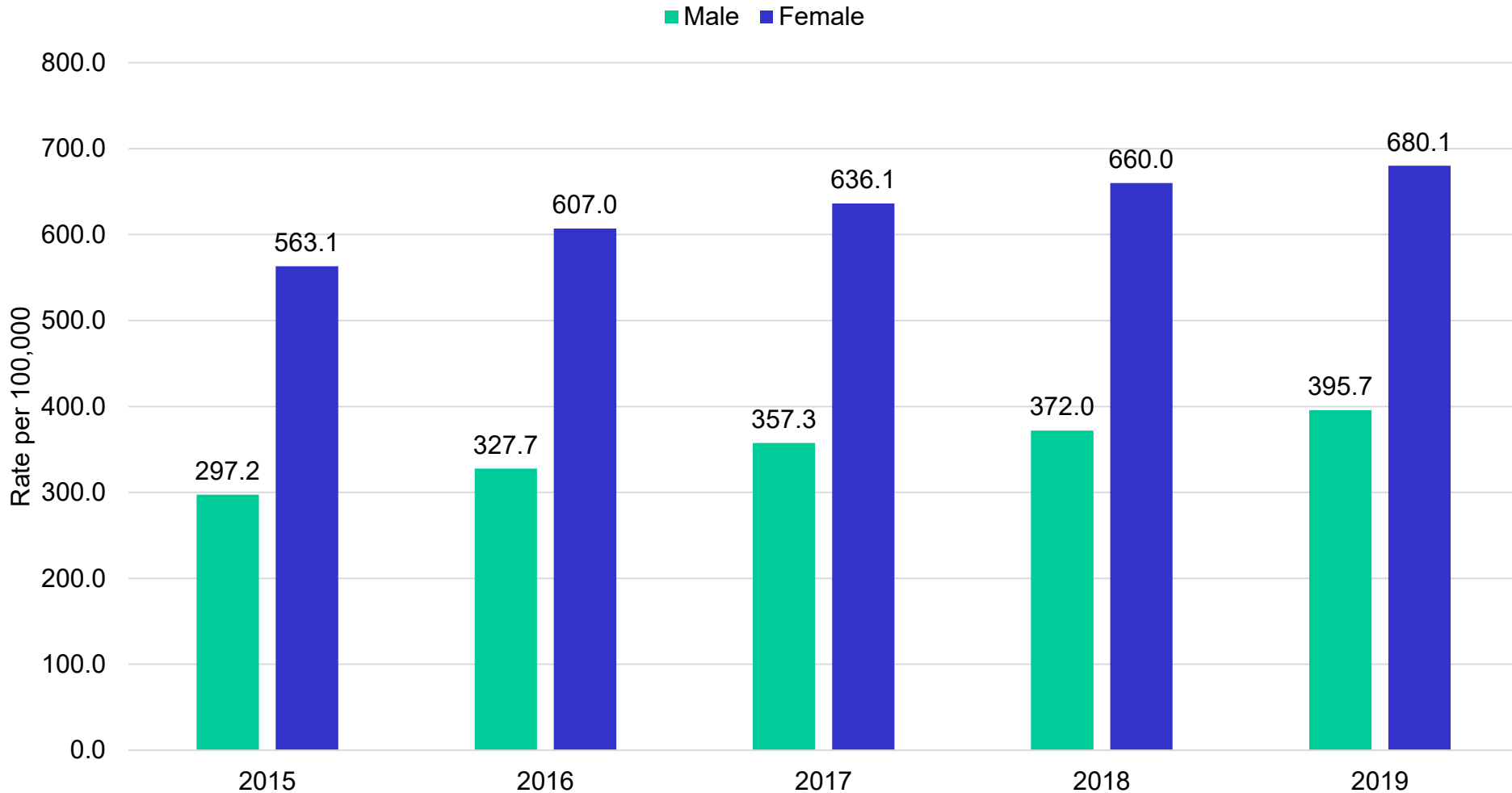


Figure 3: Chlamydia rates are consistently higher in females than in males, at a rate of 680.1 cases per 100,000 among females and 395.7 cases per 100,000 among males in 2019.

Rate of Chlamydia, County and Year, Rhode Island, 2015-2019

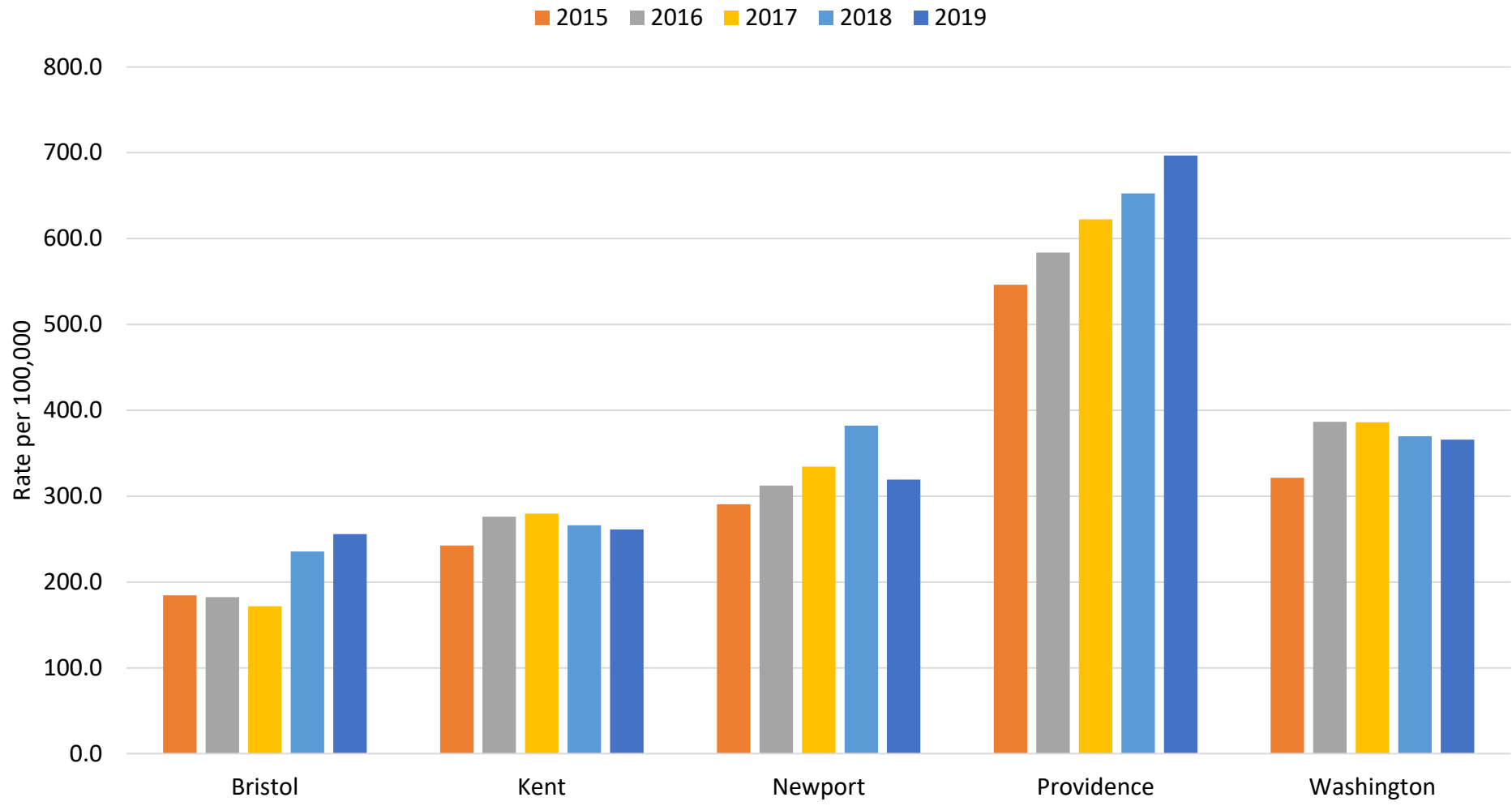


Figure 4: Between 2015 and 2019, rates of chlamydia have been consistently highest in Providence County compared to all other counties.

Rate of Chlamydia, Racial/Ethnic Group, Rhode Island, 2019

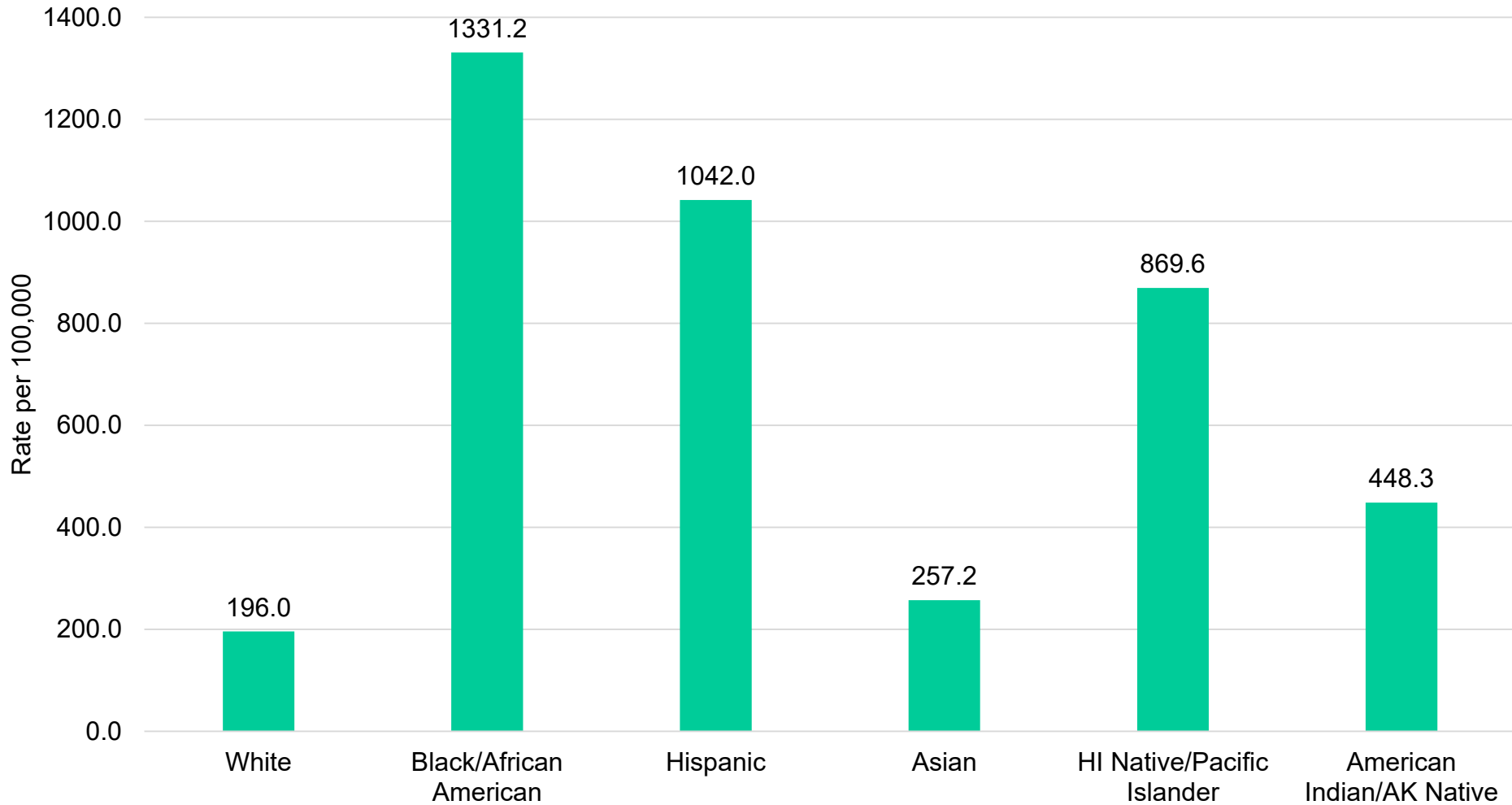


Figure 5: In 2019, rates of chlamydia were highest among non-Hispanic Blacks/African Americans, followed by Hispanics and Native Hawaiians/Other Pacific Islanders.

Chlamydia Frequency and Rates by Year, Rhode Island, 2015-2019



Table 1. Frequency by Year

	2015	2016	2017	2018	2019
Number of Cases	4575	4969	5282	5487	5717

Table 2. Rate by Year

	2015	2016	2017	2018	2019
Rate per 100,000	434.7	472.1	498.5	520.3	542.2

Chlamydia Frequency, Age Group and Year, Rhode Island, 2015-2019



Table 3. Frequency by Age Group and Year

	2015	2016	2017	2018	2019
0-19	1046	1300	1541	1418	1411
20-29	2797	2896	2981	3132	3257
30-39	559	558	535	691	746
40 and older	172	215	225	246	303
Unknown	1	0	0	0	0
Total	4575	4969	5282	5487	5717

Chlamydia Rates, Age Group and Year, Rhode Island, 2015-2019



Table 4. Rate by Age Group and Year

	2015	2016	2017	2018	2019
0-19	399.6	496.6	636.2	571.2	568.4
20-29	1890.3	1957.2	1919.8	2048.4	2130.1
30-39	447.6	446.8	402.2	546.1	589.5
40 and older	33.2	41.5	42.5	46.7	57.6

Chlamydia Frequency and Rates, Sex and Year, Rhode Island, 2015-2019



Table 5. Frequency by Sex and Year

	2015	2016	2017	2018	2019
Female	3064	3303	3455	3585	3694
Male	1511	1666	1827	1902	2023
Total	4575	4969	5282	5487	5717

Table 6. Rate by Sex and Year

	2015	2016	2017	2018	2019
Female	563.1	607.0	634.2	660.0	680.1
Male	297.2	327.7	354.4	372.0	395.7

Chlamydia Frequency, County and Year, Rhode Island, 2015-2019



Table 7. Frequency by County and Year

	2015	2016	2017	2018	2019
Bristol	92	91	84	116	127
Kent	403	459	458	439	431
Newport	241	259	279	316	264
Providence	3423	3658	3968	4121	4400
Washington	408	491	487	467	462
Unknown	8	11	6	28	33
All	4575	4969	5282	5487	5717

Chlamydia Rates by County and Year, Rhode Island, 2015-2019



Table 8. Rate by County and Year

	2015	2016	2017	2018	2019
Bristol	184.5	182.5	171.7	235.6	256.0
Kent	242.5	276.2	279.7	266.2	261.4
Newport	290.6	312.5	334.3	382.0	319.2
Providence	546.2	583.7	622.6	652.7	696.8
Washington	321.3	386.7	386.0	369.7	365.7



Notes on Data

- For years 2015-2016, rates calculated based on 2010 US Census Population.
- For years 2017-2019, rates calculated based on 2016 RI Population Estimate Data.
- Rates expressed per 100,000 population.



References

- <https://www.cdc.gov/std/chlamydia/default.htm>
- <https://www.cdc.gov/std/chlamydia/stats.htm>