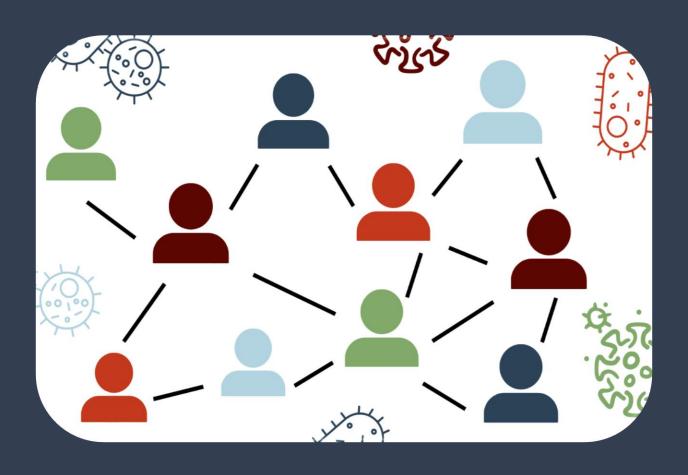


2016-2020

Spotlight Disease Report for Health Department Jurisdictions in Stark County, Ohio

Chlamydia & Gonorrhea



Spotlight Disease Report for Stark County, Ohio

Chlamydia & Gonorrhea

This report was compiled and prepared by

Amanda Archer, MPH McClaren Rodriguez, MPH

Kaelyn Boyd, MPH, CHES
Christina Henning, MPH, REHS

Data provided by

Ohio Disease Reporting System (ODRS)

Canton City Public Health Laboratory Data

National Center for HIV, Viral Hepatitis, STD, and TB Prevention (NCHHSTP) AtlasPlus

United States Census Bureau

Please direct questions or comments regarding this report to

Amanda Archer

Phone: (330) 438-4646

Email: aarcher@cantonhealth.org













TABLE OF CONTENTS

KEY FINDINGS	4
EXECUTIVE SUMMARY	5
CHLAMYDIA: BRIEF OVERVIEW	7
DESCRIPTION & BACKGROUND	7
SIGNS & SYMPTOMS	7
CHLAMYDIA SCREENING & TREATMENT	7
GONORRHEA: BRIEF OVERVIEW	8
DESCRIPTION & BACKGROUND	8
SIGNS & SYMPTOMS	8
ANTIBIOTIC RESISTANT GONORRHEA (ARG)	8
GONORRHEA SCREENING AND TREATMENT	8
STARK COUNTY (OVERALL) DATA	9
CANTON CITY DATA	13
MASSILLON CITY DATA	16
ALLIANCE CITY DATA	19
STARK COUNTY (REMAINING) DATA	22
GEOGRAPHIC DATA	25
PREVENTION	27
PREVENTION, SCREENING, TESTING	27
CCPH Brown Bag Program Flyers	27
MCHD Safe Sex Tips Handout	28
SCREENING & TESTING	29
REINFECTION	30
HEALTH EQUITY	31
DEMOGRAPHIC PROFILES	32
REFERENCES	36

KEY FINDINGS

In 2020, the rate of chlamydial infection among Stark County residents was **7 times higher** among Black/African American individuals compared to White individuals.



14x

In 2020, the rate of gonorrhea among Stark County residents was almost **14 times higher** among Black/African American individuals compared to White individuals.

The same racial disparity was observed regardless of health department jurisdiction.

Targeted prevention efforts must be done to combat this issue.



From 2016 to 2020, a majority of chlamydia and gonorrhea cases are among **young adults aged 15-24** among all health department jurisdictions in Stark County.



In Canton, most chlamydia and gonorrhea cases have been among the 15–19-year-old age group.

Massillon and Alliance residents had similar chlamydial infection rates among the younger age groups. However, the gonorrheal infection rates among these jurisdictions have gradually gotten higher among older age groups.



1,365 out of 8,879
(15.4%) total
chlamydial
infections in
Stark County
from 2016 to
2020 were due to
reinfections

446 out of 3,206
(13.9%) total
gonorrheal
infections in Stark
County from 2016
to 2020 were due
to reinfections



EXECUTIVE SUMMARY

Sexually transmitted infections (STIs) remain a significant public health concern in the United States (US). According to the Centers for Disease Control and Prevention (CDC), 1.6 million chlamydia cases and 677,769 gonorrhea cases were reported in 2020. Given the asymptomatic nature of these infections, the true disease burden is likely much higher. The Coronavirus disease 2019 (COVID-19) pandemic also affected STI surveillance in the US. Although the full impact of the pandemic of STIs is unclear, a combination of limited resources, social distancing measures, and reduced screening to keep up with COVID-19 cases and surveillance likely resulted in underreported STI infections and increased transmission.

Chlamydia was the most reported STI in Stark County with a rate of 481.4 cases per 100,000 people in 2019. This number is lower than the state and national rate but has been steadily increasing over the past 10 years. Most chlamydia cases in Stark County were among young people aged 20-24. In 2020, the rate of chlamydia among women (644.2) was more than double compared to men (252.9) in Stark County. Black/African American individuals were disproportionately affected by chlamydia over the past five years, with a rate 7 times higher (1719.3) than White individuals (217.9) per 100,000 people in Stark County in 2020.

The rates of gonorrhea in Stark County have fluctuated over the past 10 years, with the highest rate in 2016 (178.3) compared to a rate of 145.2 cases per 100,000 people in 2019. The rates of gonorrhea from 2016 to 2020 have been slightly higher among females in Stark County, except for in 2017 when the gonorrhea rate among men (146.5) was higher than women (140.3). Gonorrhea rates have been the highest among 20–24-year-olds, but closely followed by gonorrhea rates among the 25–29-year-olds. Like chlamydia, Black/African American individuals continue to account for a much larger proportion of gonorrhea infections compared to White individuals in Stark County over the past five years.

Research has shown that risk assessment and prevention strategies lower the risk of transmitting or acquiring an STI. Identifying common risk factors and trends in Stark County is key for reducing the STI burden and increasing awareness. Additionally, acknowledging how the social determinants of health (the conditions in which people are born, grow, work, live, and age) impact the presence of health disparities is an important step in working towards a healthy community. To achieve health equity in a community, all public health work must be geared towards understanding what each individual or group needs to live their healthiest lives.

The purpose of this report is to provide an overview of chlamydial and gonorrheal infection trends over the past five years among four different health department jurisdictions in Stark County, Ohio. Through this report, we hope to share epidemiologic information, prevention strategies, and identify future improvements to STI-related programs to lower the STI disease burden in Stark County.

CHLAMYDIA: BRIEF OVERVIEW

DESCRIPTION & BACKGROUND

Chlamydia is a common STI caused by infection with *Chlamydia trachomatis*. The infection spreads through oral, vaginal, or anal sex with an infected person. This can cause cervicitis, urethritis, and proctitis.³

Chlamydia is the most common reportable bacterial sexually transmitted infection (STI) in the US.³ Chlamydia is often difficult to detect due to a lack of noticeable symptoms. Therefore, many chlamydia cases go unreported and untreated.

SIGNS & SYMPTOMS

For women, these infections can lead to chronic pelvic pain, ectopic pregnancy, tubal factor infertility, and pelvic inflammatory disease (PID). Chlamydial infection can also result in another type of sexually transmitted disease (STD) called lymphogranuloma venereum (LGV). LGV has been the common cause of proctitis outbreaks among men who have sex with men (MSM).³ Untreated chlamydia can lead to PID, which occurs in 10-15% of women who do not seek treatment. Inflammation of the upper genital tract (subclinical PID) can also occur among women who do not get treated for chlamydial infection.^{4,5} Long term damage to the fallopian tubes, uterus, and surrounding tissues due to acute or subclinical PID can occur. Pregnant individuals can give chlamydia to their child during childbirth, which can subsequently cause pre-term delivery, conjunctivitis, or pneumonia in infants.³

Unfortunately, the natural history of chlamydial infection remains unclear. Most infected individuals are asymptomatic; however, two modeling studies estimated that around 10% of men and 5-30% of women with confirmed chlamydial infection develop symptoms.^{6,7}

CHLAMYDIA SCREENING & TREATMENT

Screening is necessary to detect chlamydial infections given its asymptomatic nature. For more details on chlamydia screening and treatment options, visit the CDC's current STI Treatment Guidelines for chlamydia.⁸

GONORRHEA: BRIEF OVERVIEW

DESCRIPTION & BACKGROUND

Gonorrhea is a STI caused by a bacterial infection with *Neisseria gonorrhoeae*. *N. gonorrhoeae* infects the mucous membranes of the reproductive tract, mouth, throat, eyes, and rectum. Gonorrhea is spread via oral, vaginal, or anal sexual contact with an infected partner. It can also be spread perinatally from mother to child during childbirth.⁹

Gonorrhea is the second most reported bacterial STI in US. Many gonorrhea infections are asymptomatic. Therefore, data should be interpreted with caution as only a fraction of the true burden of disease is represented in the data.

SIGNS & SYMPTOMS

Most men and women infected with gonorrhea are asymptomatic. For women, if symptoms do appear they are often mild and then mistaken for a bladder or vaginal infection. Initially, signs and symptoms that manifest in women include dysuria, vaginal discharge, or vaginal bleeding between periods. For men, signs and symptoms include urethral infection; yellow, white, or green urethral discharge that usually appears 1 to 14 days after initial infection. Rectal and pharyngeal infection for anyone is often asymptomatic. However, rectal infection may include discharge, itching, soreness, bleeding, or painful bowel movements. Pharyngeal infection may result in a sore throat.⁹

ANTIBIOTIC RESISTANT GONORRHEA (ARG)

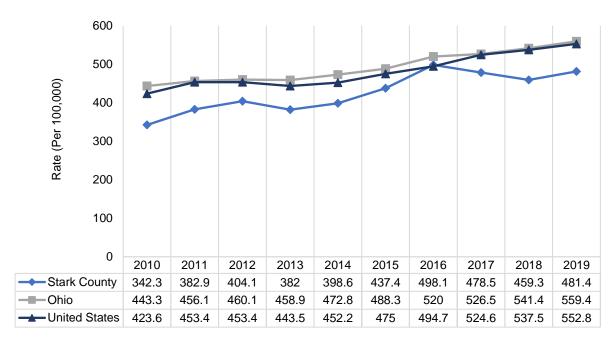
Antibiotic resistance has been defined as the ability of bacteria to resist the effects of drugs used to treat them; therefore, bacteria is no longer killed by a drug that has worked in the past. Over time, gonorrhea has developed an antibiotic resistance to the drugs that are normally prescribed to treat the infection. Currently, only one class of antibiotics still works effectively to treat this infection, called cephalosporins. There is an urgent need for the new development of and continued research on drugs that can be used to treat gonorrhea, as the bacteria is constantly evolving to resist current methods of treatment.

GONORRHEA SCREENING AND TREATMENT

Like chlamydia, screening is necessary to detect gonorrheal infections given its asymptomatic nature. For more details on gonorrhea screening and treatment options, visit the CDC's current STI Treatment Guidelines for gonorrhea.¹¹

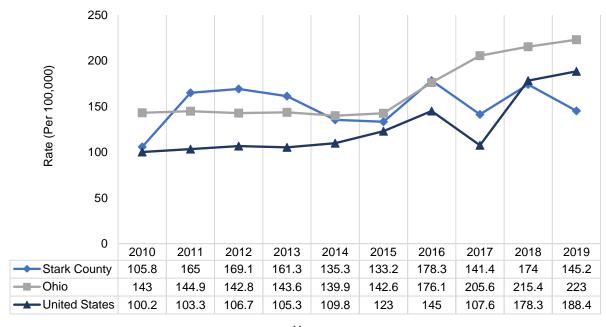
STARK COUNTY (OVERALL) DATA

Stark County, Ohio, and United States Chlamydia Rates by Year of Diagnosis, 2010-2019



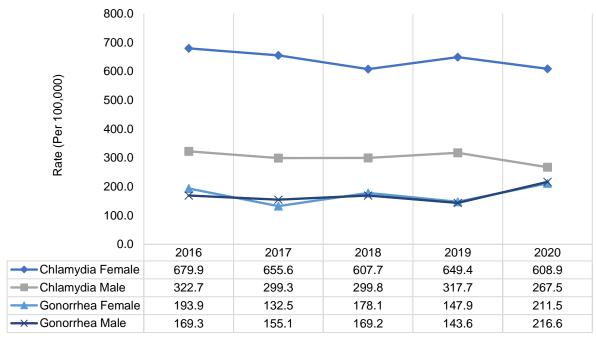
Year

Stark County, Ohio, and United States Gonorrhea Rates by Year of Diagnosis, 2010-2019



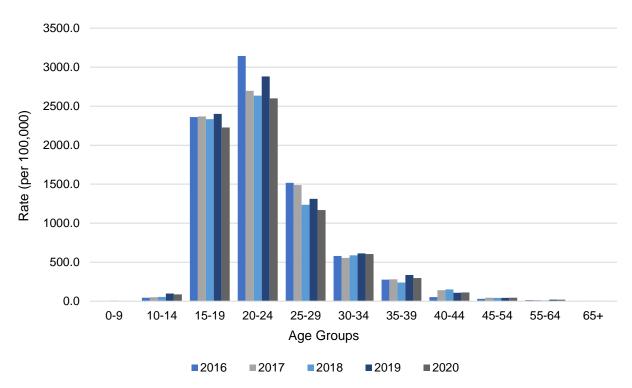
Year

Stark County (overall) Chlamydia and Gonorrhea Rates by Sex and Year of Diagnosis 2016-2020

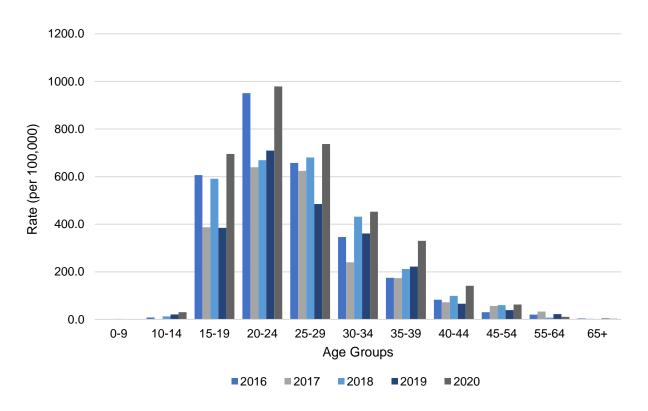


Year

Stark County (overall) Chlamydia Rates by Age Group and Year of Diagnosis 2016-2020



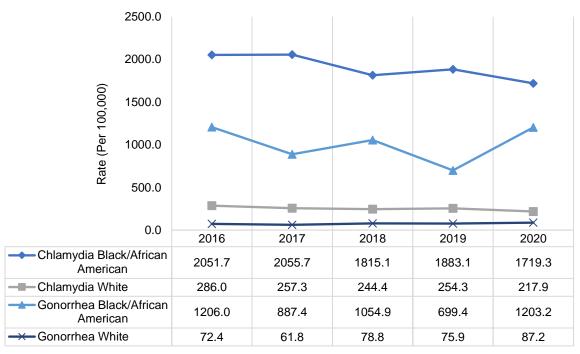
Stark County (overall) Gonorrhea Rates by Age Group and Year of Diagnosis 2016-2020



Stark County (overall) Chlamydia and Gonorrhea Case Counts by Race and Year of Diagnosis, 2016-2020

			Chla	amydia		Gonorrhea						
Race	2016	2017	2018	2019	2020	% Change	2016	2017	2018	2019	2020	% Change
American Indian/Alaskan Native	3	0	3	5	5	66.7	2	1	1	2	4	100.0
Asian/Pacific Islander	3	2	6	6	4	33.3	2	2	6	2	1	-50.0
Black/African American	558	549	499	525	473	-15.2	328	237	290	195	331	0.9
White	948	850	803	831	705	-26.3	240	204	259	248	282	17.5
Other*	174	155	181	215	189	8.6	63	47	61	55	92	46.0
Unspecified	212	250	219	236	270	27.4	47	46	32	41	85	80.9

Stark County (overall) Chlamydia and Gonorrhea Rates by Race and Year of Diagnosis, 2016-2020



Year

Stark County (total) Chlamydia and Gonorrhea Infection Rates* by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	518.8	513.7	640.6	556.1	453.7
Non-Hispanic	355.3	342.2	355.5	379.8	314.9
Gonorrhea					
Hispanic	129.7	138.9	106.8	168.1	214.3
Non-Hispanic	135.9	108.7	168.1	122.3	163.9

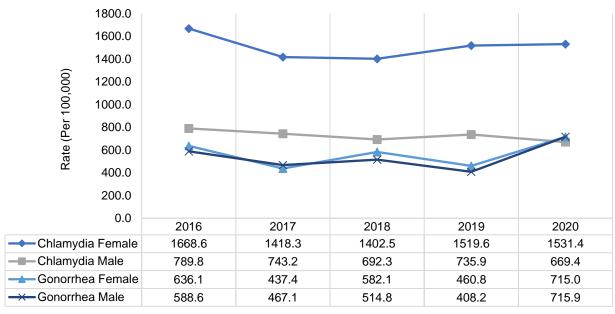
^{*}Incidence per 100,000 population

Stark County (total) Chlamydia and Gonorrhea Infection Case Counts by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	36	37	48	43	36
Non-Hispanic	1307	1256	1301	1385	1145
Gonorrhea					
Hispanic	9	10	8	13	17
Non-Hispanic	500	399	559	446	596

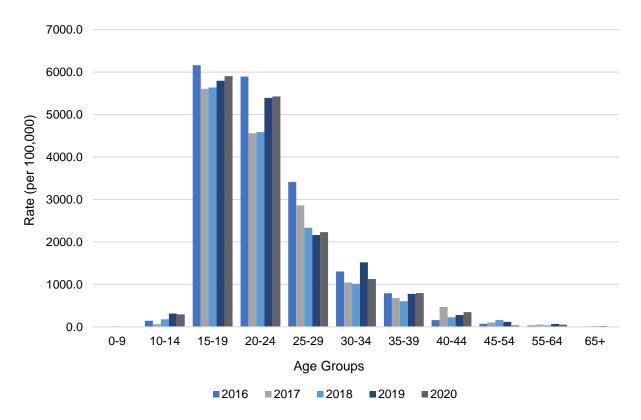
CANTON CITY DATA

Canton City Chlamydia and Gonorrhea Rates by Sex and Year of Diagnosis, 2016-2020

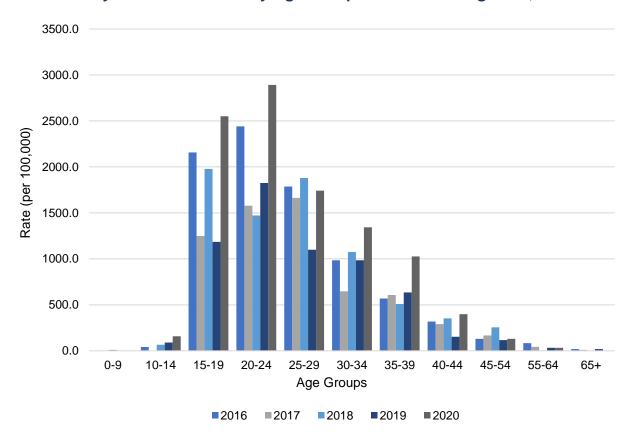


Year

Canton City Chlamydia Rates by Age Group and Year of Diagnosis, 2016-2020



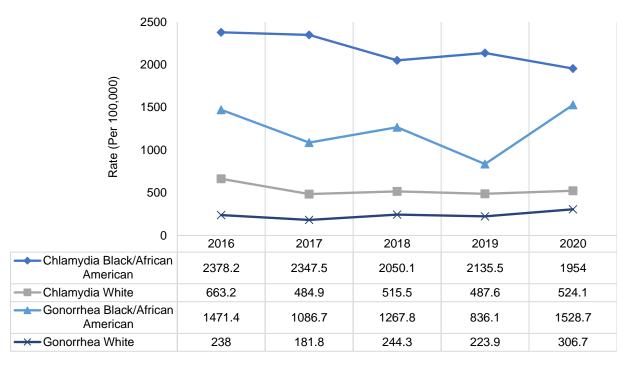
Canton City Gonorrhea Rates by Age Group and Year of Diagnosis, 2016-2020



Canton City Chlamydia and Gonorrhea Case Counts by Race and Year of Diagnosis, 2016-2020

	Chlamydia							Gonorrhea				
Race	2016	2017	2018	2019	2020	% Change	2016	2017	2018	2019	2020	% Change
American Indian/Alaskan Native	1	0	1	1	4	300.0	1	0	0	1	2	100.0
Asian/Pacific Islander	1	2	4	2	4	300.0	0	2	3	1	1	100.0
Black/African American	417	391	359	378	340	-18.5	258	181	222	148	266	3.1
White	326	240	249	233	241	-26.0	117	90	118	107	141	20.5
Other*	116	93	98	128	112	-3.4	48	35	41	35	58	20.8
Unspecified	46	62	45	68	88	91.3	19	16	8	18	39	105.3

Canton City Chlamydia and Gonorrhea Infection Rates by Race and Year of Diagnosis, 2016-2020



Year

Canton City Chlamydia and Gonorrhea Infection Rates* by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	1034.5	741.0	816.9	851.1	556.4
Non-Hispanic	981.5	904.6	953.6	1000.7	873.3
Gonorrhea					
Hispanic	301.7	312.0	238.3	364.7	146.4
Non-Hispanic	490.8	367.1	530.9	398.8	588.6

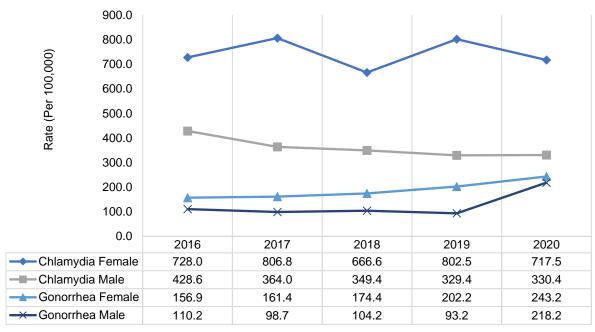
^{*}Incidence per 100,000 population

Canton City Chlamydia and Gonorrhea Infection Case Counts by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	24	19	24	28	19
Non-Hispanic	682	626	652	680	589
Gonorrhea					
Hispanic	7	8	7	12	5
Non-Hispanic	341	254	363	271	397

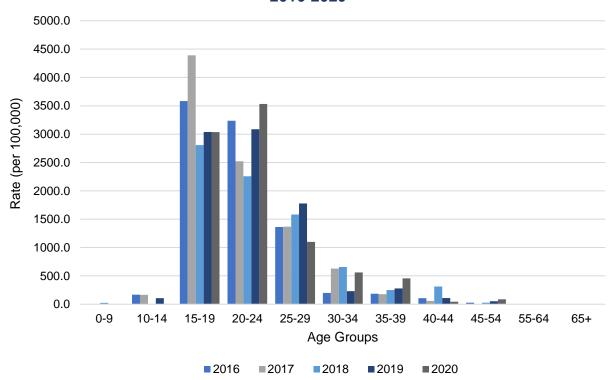
MASSILLON CITY DATA

Massillon City Chlamydia and Gonorrhea Rates by Sex and Year of Diagnosis 2016-2020

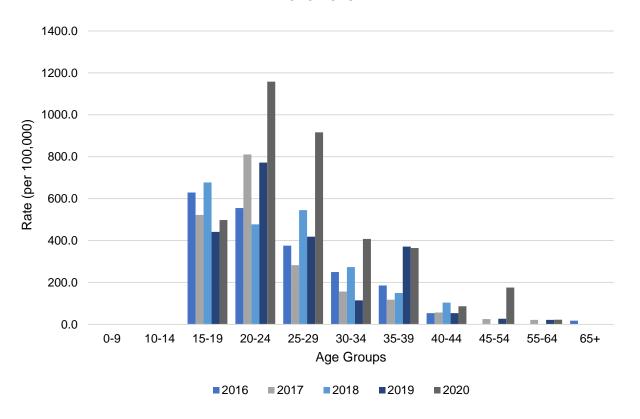


Year

Massillon City Chlamydia Rates by Age Group and Year of Diagnosis 2016-2020



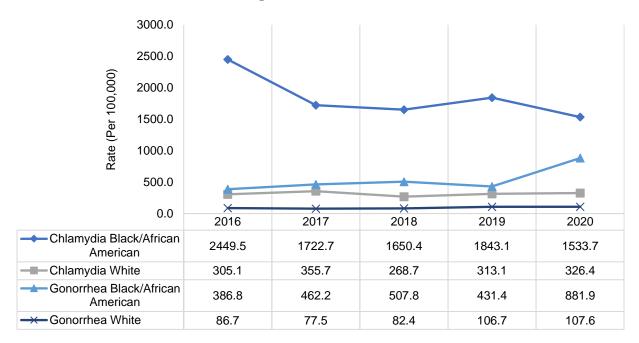
Massillon City Gonorrhea Rates by Age Group and Year of Diagnosis 2016-2020



Massillon City Chlamydia and Gonorrhea Case Counts by Race and Year of Diagnosis, 2016-2020

	Chlamydia							Gonorrhea				
Race	2016	2017	2018	2019	2020	% Change	2016	2017	2018	2019	2020	% Change
American Indian/Alaskan Native	0	0	0	0	0		0	0	0	0	0	
Asian/Pacific Islander	1	0	1	0	0	-100.0	0	0	0	0	0	
Black/African American	57	41	39	47	40	-29.8	9	11	12	11	23	155.5
White	88	101	75	88	91	3.4	25	22	23	30	30	20.0
Other*	16	20	25	17	17	6.3	5	5	5	4	9	80.0
Unspecified	24	27	24	32	23	-4.2	4	4	5	3	13	225.0

Massillon City Chlamydia and Gonorrhea Infection Rates by Race and Year of Diagnosis, 2016-2020



Year

Massillon City Chlamydia and Gonorrhea Infection Rates* by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	436.2	821.9	1018.9	1212.1	746.3
Non-Hispanic	417.8	405.2	369.3	448.0	409.7
Gonorrhea					
Hispanic		137.0			1119.4
Non-Hispanic	76.6	101.3	113.6	125.3	170.7

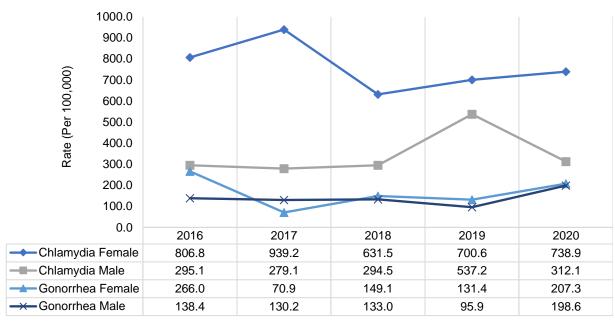
^{*}Incidence per 100,000 population

Massillon City Chlamydia and Gonorrhea Infection Case Counts by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	4	6	7	6	2
Non-Hispanic	131	128	117	143	132
Gonorrhea					
Hispanic	0	1	0	0	3
Non-Hispanic	24	32	36	40	55

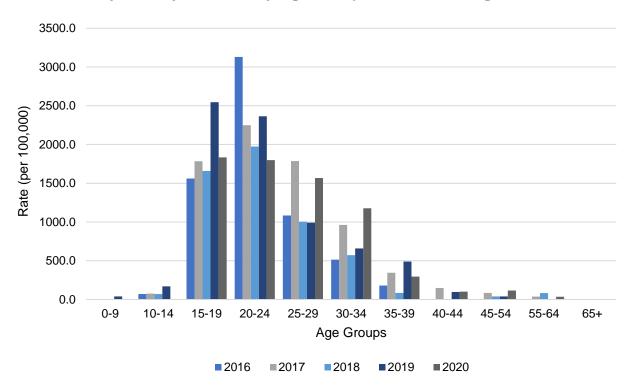
ALLIANCE CITY DATA

Alliance City Chlamydia and Gonorrhea Rates by Sex and Year of Diagnosis 2016-2020

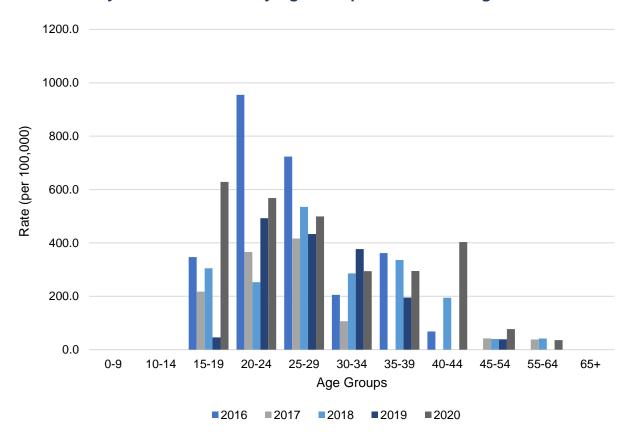


Year

Alliance City Chlamydia Rates by Age Group and Year of Diagnosis 2016-2020



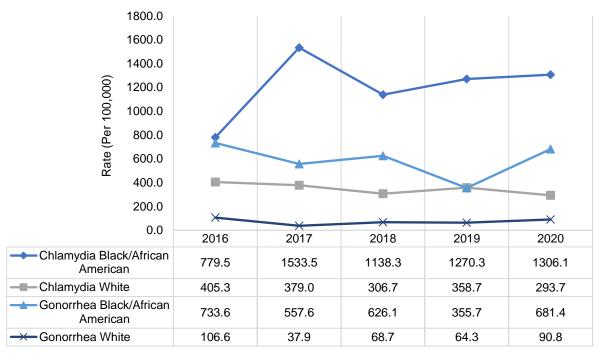
Alliance City Gonorrhea Rates by Age Group and Year of Diagnosis 2016-2020



Alliance City Chlamydia and Gonorrhea Case Counts by Race and Year of Diagnosis, 2016-2020

	Chlamydia							Gonorrhea				
Race	2016	2017	2018	2019	2020	% Change	2016	2017	2018	2019	2020	% Change
American Indian/Alaskan Native	0	0	1	2	0		0	1	0	0	0	
Asian/Pacific Islander	0	0	0	0	0		0	0	0	0	0	
Black/African American	17	33	20	25	23	35.3	16	12	11	7	12	-25.0
White	76	70	58	67	55	-27.6	20	7	13	12	17	-15.0
Other*	14	9	10	19	13	-7.1	3	1	3	4	6	100.0
Unspecified	16	24	14	23	24	50.0	6	1	4	2	9	50.0

Alliance City Chlamydia and Gonorrhea Infection Rates by Race and Year of Diagnosis, 2016-2020



Year

Alliance City Chlamydia and Gonorrhea Infection Rates* by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	139.5	137.6	443.5		369.0
Non-Hispanic	397.1	478.7	400.4	479.5	383.2
Gonorrhea					
Hispanic					738.0
Non-Hispanic	144.8	93.9	116.4	93.1	126.2

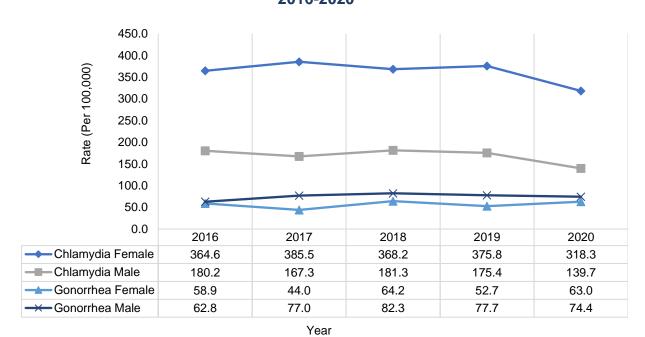
^{*}Incidence per 100,000 population

Alliance City Chlamydia and Gonorrhea Infection Case Counts by Ethnicity and Year of Diagnosis, 2016-2020

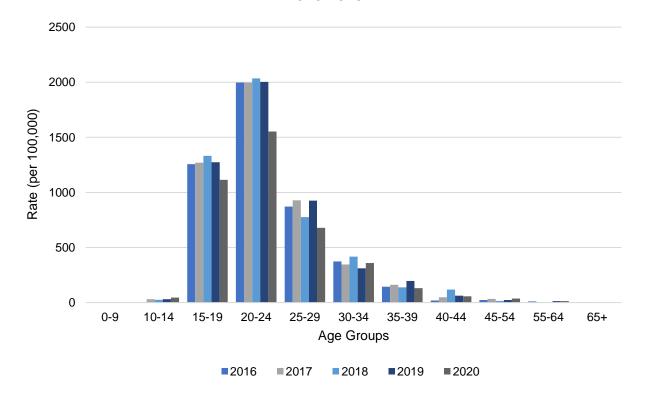
	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	1	1	2	0	1
Non-Hispanic	85	102	86	103	82
Gonorrhea					
Hispanic	0	0	0	0	2
Non-Hispanic	31	20	25	20	27

STARK COUNTY (REMAINING) DATA

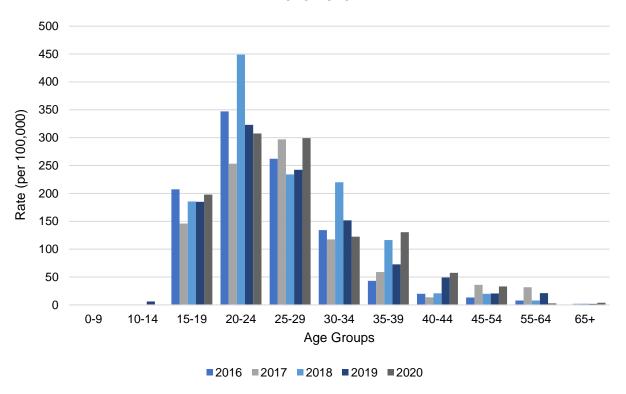
Stark County (remaining) Chlamydia and Gonorrhea Rates by Sex and Year of Diagnosis 2016-2020



Stark County (remaining) Chlamydia Rates by Age Group and Year of Diagnosis 2016-2020



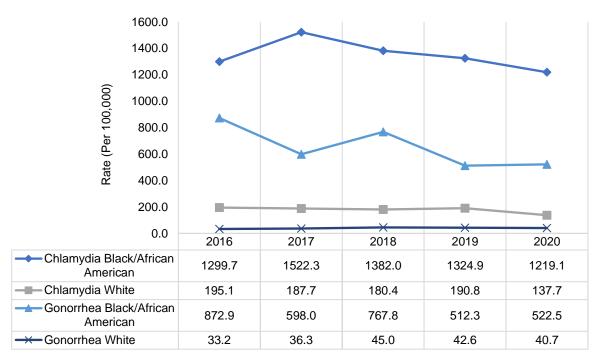
Stark County (remaining) Gonorrhea Rates by Age Group and Year of Diagnosis 2016-2020



Stark County (remaining) Chlamydia and Gonorrhea Case Counts by Race and Year of Diagnosis, 2016-2020

	Chlamydia			Gonorrhea								
Race	2016	2017	2018	2019	2020	% Change	2016	2017	2018	2019	2020	% Change
American Indian/Alaskan Native	2	0	1	2	1	50.0	1	0	1	1	2	100.0
Asian/Pacific Islander	1	0	1	4	0	-100.0	2	0	3	1	0	-100.0
Black/African American	67	84	81	75	70	4.5	45	33	45	29	30	-33.3
White	458	439	421	443	318	-30.6	78	85	105	99	94	20.5
Other*	28	33	48	51	47	67.9	7	6	12	12	19	171.4
Unspecified	126	137	136	113	135	7.1	18	25	15	18	24	33.3

Stark County (remaining) Chlamydia and Gonorrhea Infection Rates by Race and Year of Diagnosis, 2016-2020



Year

Stark County (remaining) Chlamydia and Gonorrhea Infection Rates* by Ethnicity and Year of Diagnosis, 2016-2020

	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	234.5	345.8	439.0	251.1	351.8
Non-Hispanic	166.5	163.3	182.4	188.6	141.0
Gonorrhea					
Hispanic	67.0	31.4	29.3	27.9	175.9
Non-Hispanic	42.3	38.0	55.2	47.3	48.2

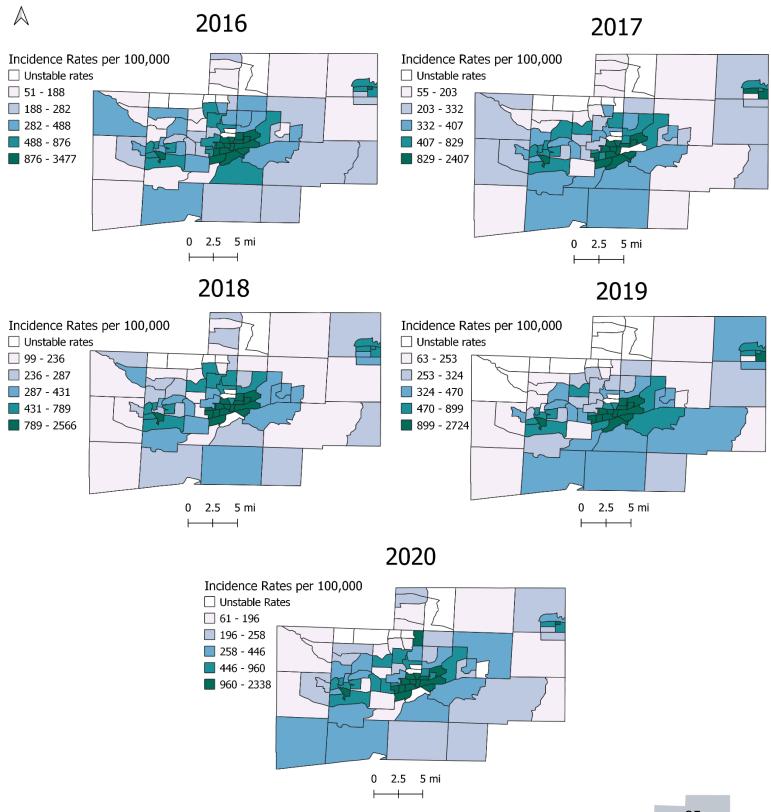
^{*}Incidence per 100,000 population

Stark County (remaining) Chlamydia and Gonorrhea Infection Case Counts by Ethnicity and Year of Diagnosis, 2016-2020

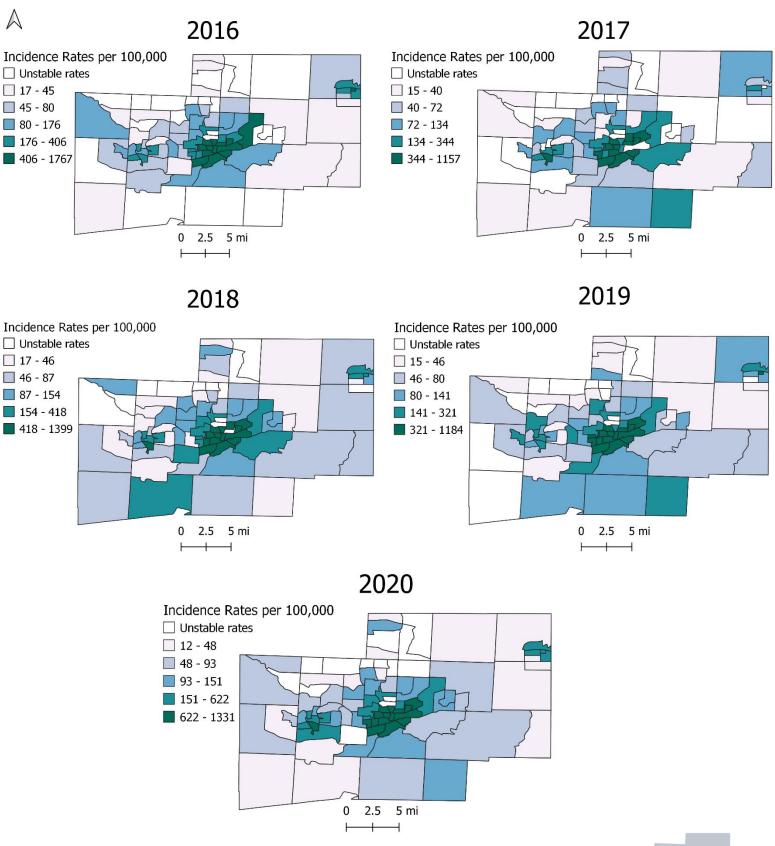
	2016	2017	2018	2019	2020
Chlamydia					
Hispanic	7	11	15	9	14
Non-Hispanic	409	400	446	459	342
Gonorrhea					
Hispanic	2	1	1	1	7
Non-Hispanic	104	93	135	115	117

GEOGRAPHIC DATA

Number of Reported Chlamydia Cases in Stark County by Census Tract 2016-2020



Number of Reported Gonorrhea Cases in Stark County by Census Tract 2016-2020



PREVENTION, SCREENING, TESTING

PREVENTION

STIs can easily be prevented, diagnosed, and treated. If you are sexually active, it is important to ask your doctor to test for STIs. **Knowing your STI status is critical to stopping transmission.** Other ways you can protect yourself from STIs are by reducing your number of sexual partners, mutual monogamy, talking with sexual partner(s) about staying safe before sex, and the correct and consistent use of condoms.¹²

Both Canton City Public Health (CCPH) and the Massillon City Health Department (MCHD) have adopted "Brown Bag Programs" aimed at addressing barriers to sexual healthcare, such as cost of services, lack of transportation, and lack of knowledge. This program provides free condoms for anyone who comes into the health department and asks for them - no matter if they are there for other services or not. By asking for a "brown bag" and handing them out in a literal brown paper bag, there is some discretion to the exchange.

CCPH Brown Bag Program Flyers









Safe Sex Tips

Use Condoms

Correct and consistent use of the male latex condom is highly effective in reducing STD transmission. Use a condom every time you have anal, vaginal, or oral sex.

Reduce # of Sex Partners

Reducing your number of sex partners can decrease your risk for STDs. It is still important that you and your partner get tested, and that you share your test results with one another.

<u>Vaccinations</u>

Vaccines are safe, effective, and recommended ways to prevent hepatitis B and HPV. <u>HPV vaccines</u> for males and females can protect against some of the most common types of HPV. However, HPV vaccines are recommended for all teen girls and women through age 26 and all teen boys and men through age 21, who did not get all three doses of the vaccine when they were younger.

You should also get <u>vaccinated for hepatitis B</u> if you were not vaccinated when you were younger.

\$TD/HIV testing: Available at Canton City Public Health

Tuesday&Friday 8:00 AM - 10:30 AM Walk-in clinic, no appointment needed. Arrive early, as the clinic may fill up.

HIV Testing Only: Wednesday, 1:30 PM - 3:00 PM;

2nd Thursday of every month, 4:00 PM - 6:45 PM

Or by appointment: Call 330-489-3322 and ask to speak to a HIV prevention team member.

Resource: https://www.cdc.gov/std/prevention/default.htm

SCREENING & TESTING

Chlamydia Screening – Sexual Health Clinics by Canton City Public Health, OH, regardless of residency status, 2016-2020

Year	YTD Samples Tested	YTD Samples Positive	% Positivity
2016	797	78	9.8%
2017	700	54	7.7%
2018	654	55	8.4%
2019	717	67	9.3%
2020	391	35	8.9%

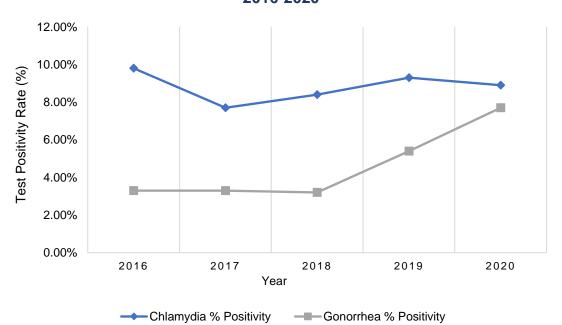
Note: The screening results above may be skewed because the number of individual tests were reported, not the number of patients. So, there may be multiple test results for one person.

Gonorrhea Screening – Sexual Health Clinics by Canton City Public Health, OH, regardless of residency status, 2016-2020

Year	YTD Samples Tested	YTD Samples Positive	% Positivity
2016	797	26	3.3%
2017	700	23	3.3%
2018	654	21	3.2%
2019	717	39	5.4%
2020	391	30	7.7%

Note: The screening results above may be skewed because the number of individual tests were reported, not the number of patients. So, there may be multiple test results for one person.

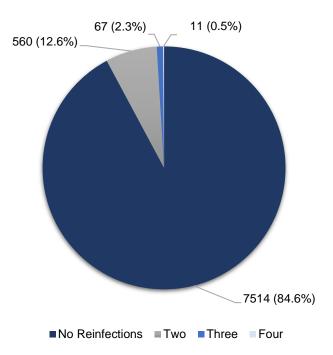
Chlamydia and Gonorrhea Test Positivity Rate performed by Canton City Public Health 2016-2020



REINFECTION

For this report, reinfection has been defined as **one person** having two or more infections within a calendar year.

Number of People with Chlamydia Reinfections and Percent Caseload in Stark County, 2016-2020



Out of 8,879 total
chlamydia cases in Stark
County from 2016 to 2020:
560 people made up 1,120
cases
12.6% of case load
67 people made up 201
cases
2.3% of case load

11 people made up 44
cases
0.5% of case load

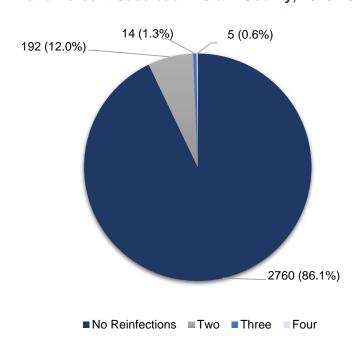
Number of People with Gonorrhea Reinfections and Percent Caseload in Stark County, 2016-2020

Out of 3,206 total
gonorrhea cases in Stark
County from 2016 to 2020:

192 people made up 384
cases
12.0% of case load

14 people made up 42
cases
1.3% of case load

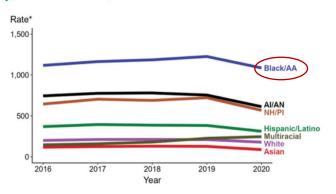
5 people made up 20 cases
0.6% of case load



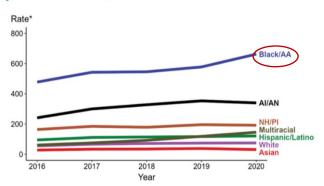
HEALTH EQUITY

The data in this report showed disproportionately higher rates of chlamydial and gonorrheal infections among Black/African American individuals compared to White individuals in Stark County. This disparity is not just among Stark County residents; the national rates of chlamydia and gonorrhea over the past five years have also been significantly higher among Black/African American individuals compared to White individuals.¹⁵

Chlamydia — Rates of Reported Cases by Race/Hispanic Ethnicity, United States, 2016–2020



Gonorrhea — Rates of Reported Cases by Race/Hispanic Ethnicity, United States, 2016–2020



Understanding the underlying factors such as where individuals are born, live, work, play, and worship that contribute to this racial disparity is necessary to ensure health equity regardless of sex, race, age, and socioeconomic status. To embody the missions, values, and vision of healthy communities in Stark County, affirmative action towards combatting these racial health disparities needs to be a top priority.

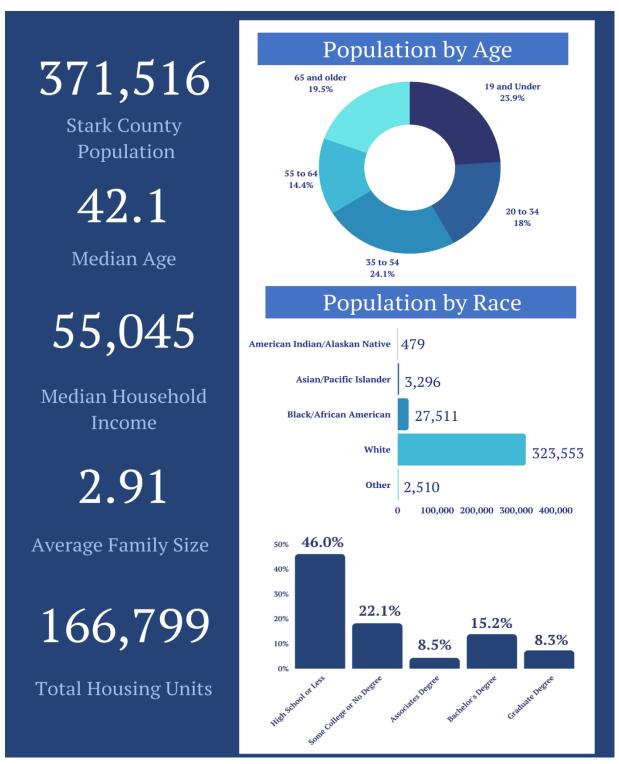


https://betterbikeshare.org/2019/10/24/equi

DEMOGRAPHIC PROFILES

Stark County is the 11th largest county in Ohio by land area and the 8th most populated county in Ohio. In 2020, approximately 371,516 people resided in Stark County, Ohio.¹⁴

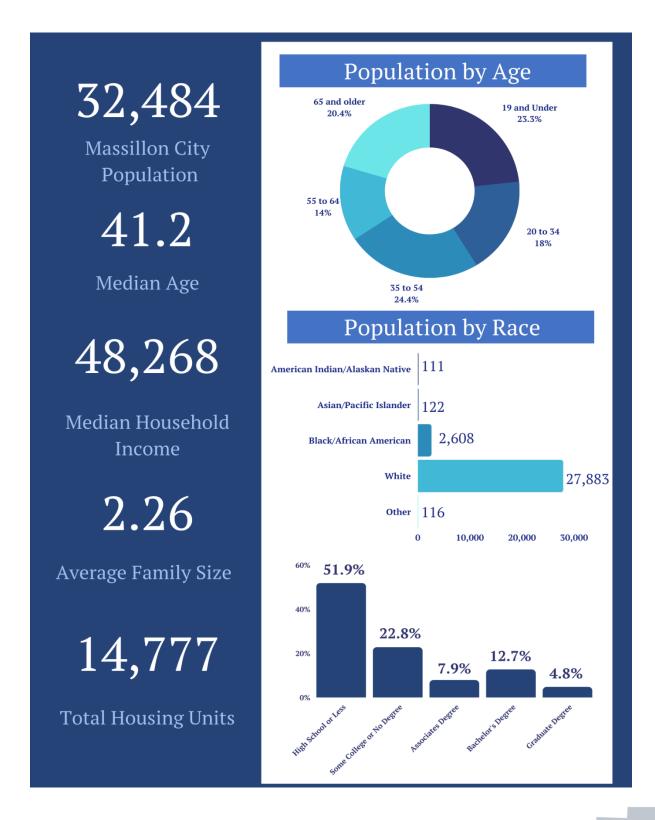
Stark County (total)



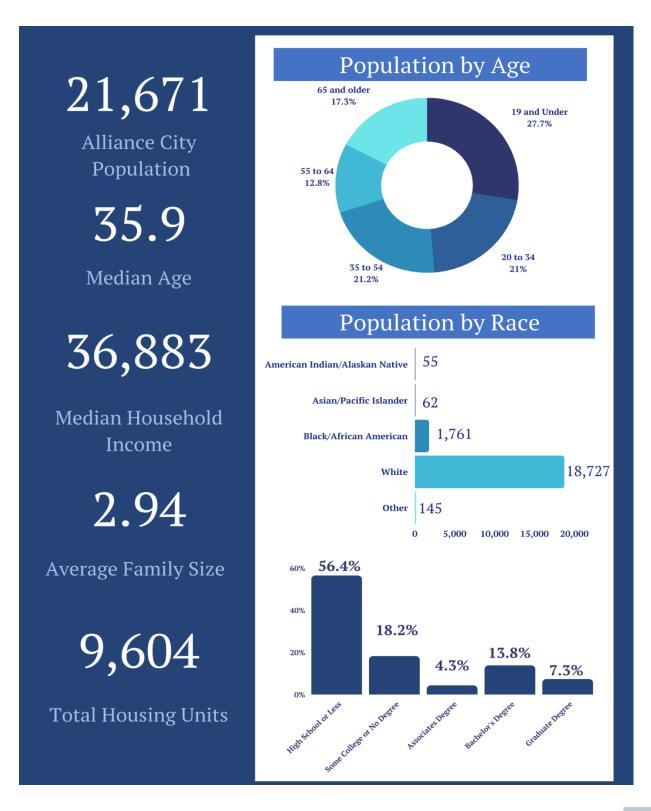
Canton City (2020)



Massillon City (2020)



Alliance City (2020)



REFERENCES

- Sexually Transmitted Disease Surveillance, 2020. Centers for Disease Control and Prevention. https://www.cdc.gov/std/statistics/2020/default.htm. Published April 12, 2022. Accessed May 3, 2022.
- Impact of COVID-19 on STDs. Centers for Disease Control and Prevention. https://www.cdc.gov/std/statistics/2020/impact.htm. Published April 12, 2022. Accessed May 3, 2022.
- Detailed STD Facts Chlamydia. Centers for Disease Control and Prevention. https://www.cdc.gov/std/chlamydia/stdfact-chlamydia-detailed.htm#_ENREF_21. Published April 12, 2022. Accessed May 3, 2022.
- Cates W, Wasserheit JN. Genital chlamydial infections: Epidemiology and reproductive sequelae. *American Journal of Obstetrics and Gynecology*. 1991;164(6):1771-1781. doi:10.1016/0002-9378(91)90559-a
- Weström L, Joesoef R, Reynolds G, Hagdu A, Thompson SE. Pelvic inflammatory disease and fertility. A cohort study of 1,844 women with laparoscopically verified disease and 657 control women with normal laparoscopic results. Sexually Transmitted Diseases. 1992;19(4):185-192. doi:10.1097/00007435-199207000-00001.
- Farley TA, Cohen DA, Elkins W. Asymptomatic sexually transmitted diseases: The case for screening. *Preventive Medicine*. 2003;36(4):502-509. doi:10.1016/s0091-7435(02)00058-0
- Korenromp EL, Sudaryo MK, de Vlas SJ, et al. What proportion of episodes of gonorrhoea and chlamydia becomes symptomatic? *International Journal of STD* & AIDS. 2002;13(2):91-101. doi:10.1258/0956462021924712
- 8. Chlamydial infections STI treatment guidelines. Centers for Disease Control and Prevention. https://www.cdc.gov/std/treatment-guidelines/chlamydia.htm. Published July 22, 2021. Accessed May 3, 2022.
- Detailed STD facts Gonorrhea. Centers for Disease Control and Prevention. https://www.cdc.gov/std/gonorrhea/stdfact-gonorrhea-detailed.htm. Published April 12, 2022. Accessed May 3, 2022.

- 10. Basic information about ARG STD information from CDC. Centers for Disease Control and Prevention. https://www.cdc.gov/std/gonorrhea/arg/basic.htm. Published July 22, 2021. Accessed May 3, 2022.
- 11. Gonococcal infections STI treatment guidelines. Centers for Disease Control and Prevention. https://www.cdc.gov/std/treatment-guidelines/gonorrhea.htm. Published July 22, 2021. Accessed May 3, 2022.
- 12. Prevention STD information from CDC. Centers for Disease Control and Prevention. https://www.cdc.gov/std/prevention/default.htm. Published March 23, 2022. Accessed May 3, 2022.
- 13. Sexual Health and HIV/AIDS. Health Department Canton City Board of Health. http://cantonhealth.org/nursing/?pg=263. Accessed May 3, 2022.
- 14. United States Census Bureau Data. Explore census data. https://data.census.gov/cedsci/. Accessed May 3, 2022.
- 15. Figures. Centers for Disease Control and Prevention. https://www.cdc.gov/std/statistics/2020/figures.htm. Published April 29, 2022. Accessed May 4, 2022.