

HIV DIAGNOSIS TRENDS IN GEORGIA





The **2014–2022 HIV Diagnosis Trends in Georgia Report** is published by the Georgia Department of Public Health (DPH), Division of Epidemiology, HIV Epidemiology Section, 200 Piedmont Avenue SE, West Tower Floor 10, Atlanta, GA 30334. Data are presented from known diagnoses and laboratory reports entered into the Georgia Enhanced HIV/AIDS Reporting System (eHARS). All data are provisional.

The 2014–2022 HIV Diagnosis Trends in Georgia Report is not copyrighted and may be used and reproduced without permission. Citation of the source is, however, appreciated.

SUGGESTED CITATION: Georgia Department of Public Health, HIV Epidemiology Section, 2014–2022 HIV Diagnosis Trends in Georgia Report, https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance, Published May 2024, [Accessed: date]

ACKNOWLEDGEMENTS: Publication of this report was made possible with the contributions of the Georgia DPH HIV Epidemiology Section's Core HIV Surveillance staff, HIV Case Report Forms submitted by Georgia healthcare facility staff, HIV infection-related laboratory test results transmitted by laboratory facilities in Georgia, data matches with other DPH programs, and the ongoing efforts of multiple individuals from public and private sector organizations dedicated to improving surveillance, prevention, testing, and care of people with HIV infection.

This report was prepared by the following staff from the Georgia Department of Public Health: Jose Adame, MPH; Nellie Garlow, MPH; Jenna Gettings, DVM, MPH; Cherie Drenzek, DVM, MS. Please direct all inquiries to Dr. Jenna Gettings (*Jenna.Gettings@dph.ga.gov*).

Georgia HIV Core Surveillance Team contributors: Lauren Barrineau-Vejjajiva, Thelma Fannin, LaTosha Johnson, LaToya Lemons, Daniel Mauck, Mildred McGainey, Kim Norris, Rama Namballa, Doris Pearson, Courtney Philpot, A. Eugene Pennisi, Sylve Rawls, Akilah Spratling, Erica Williams, and Gerrianna Williams.

TABLE OF CONTENTS

METHODS & DEFINITIONS
HIV SURVEILLANCE DURING THE COVID-19 PANDEMIC
TRENDS BY GEOGRAPHIC AREA
FIGURE 1. NEW HIV DIAGNOSIS COUNTS, GEORGIA, 2014–2022
FIGURE 2. NEW HIV DIAGNOSIS RATES, GEORGIA, 2014–2022
FIGURE 3. NEW HIV DIAGNOSIS COUNTS BY THE ELIGIBLE METROPOLITAN AREA, GEORGIA, 2018–2022
FIGURE 4. NEW HIV DIAGNOSIS RATES BY THE ELIGIBLE METROPOLITAN AREA, GEORGIA, 2018–2022
FIGURE 5. NEW HIV DIAGNOSIS RATES IN THE FOUR EHE COUNTIES, GEORGIA, 2018–2022
TRENDS BY DEMOGRAPHIC CHARACTERISTICS
FIGURE 6. NEW HIV DIAGNOSIS RATES BY SEX ASSIGNED AT BIRTH, GEORGIA, 2014–202211
FIGURE 7. NEW HIV DIAGNOSIS COUNTS BY GENDER IDENTITY, GEORGIA, 2014–2022
FIGURE 8. NEW HIV DIAGNOSIS COUNTS BY RACE/ETHNICITY, GEORGIA, 2014–202212
FIGURE 9. NEW HIV DIAGNOSIS RATES BY RACE/ETHNICITY, GEORGIA, 2014–202212
FIGURE 10. NEW HIV DIAGNOSIS RATES BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022
FIGURE 11. NEW HIV DIAGNOSIS COUNTS BY HIV TRANSMISSION CATEGORY, GEORGIA, 2014–2022
Trends BY SPECIAL POPULATIONS
FIGURE 12. NEW HIV DIAGNOSIS COUNTS AMONG MSM BY RACE/ETHNICITY, GEORGIA, 2014–2022
FIGURE 13. NEW HIV DIAGNOSIS COUNTS AMONG MSM BY AGE GROUPS (IN YEARS), GEORGIA, 2014–202215
FIGURE 14. NEW HIV DIAGNOSIS COUNTS AMONG BLACK MSM BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022
FIGURE 15. NEW HIV DIAGNOSIS COUNTS AMONG HISPANIC/LATINO MSM BY AGE GROUPS (IN YEARS), GEORGIA, 2014–
FIGURE 16. NEW HIV DIAGNOSIS RATES AMONG FEMALES BY RACE/ETHNICITY, GEORGIA, 2014–2022
FIGURE 17. NEW HIV DIAGNOSIS RATES AMONG FEMALES BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022
FIGURE 18. NEW HIV DIAGNOSIS COUNTS AMONG TRANSGENDER/ADDITIONAL GENDER IDENTITY POPULATIONS BY
RACE/ETHNICITY, GEORGIA, 2014–2022
FIGURE 19. NEW HIV DIAGNOSIS COUNTS AMONG TRANSGENDER/ADDITIONAL GENDER IDENTITY INDIVIDUALS BY AGE
GROUPS (IN YEARS) GEORGIA, 2014–2022
FIGURE 20. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO HETEROSEXUAL CONTACT AMONG BLACK CISGENDER MEN BY
AGE GROUPS (IN YEARS), GEORGIA, 2014–2022
FIGURE 21. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO HETEROSEXUAL CONTACT AMONG BLACK CISGENDER WOMEN BY
AGE GROUPS (IN TEARS), GEORGIA, 2014–2022
FIGURE 22. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO IDU BY KACE/ETHNICHTY, GEORGIA, 2014–2022
FIGURE 23. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO IDU BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022
SUPPLEMENTARY INFORMATION

Notes – MSM: Men who have sex with men EHE: Ending the HIV Epidemic in the U.S initiative IDU: Injection drug use

METHODS & DEFINITIONS

- Figures are based on data reported through December 31, 2023 for adolescents and adults aged 13+ years who were newly diagnosed with HIV between January 1, 2014 through December 31, 2022.
- Multiple imputation¹, a statistical method used to assign probable values to cases with missing transmission categories, was used in instances when transmission data was missing. Transmission categories include:
 - MMSC = Male-to-male sexual contact
 - IDU = Injection drug use
 - MMSC/IDU = Male-to-male sexual contact and injection drug use
 - HET = Heterosexual contact with a person known to have, or to be at high risk for HIV infection
- Rates are based on estimates of the Georgia resident population retrieved from the Georgia Department of Public Health, Office of Health Indicators for Planning (OHIP), OASIS. Rates are per 100,000 population in the specified categories.
- Rates are not presented for populations with fewer than 12 cases because these rates are considered unreliable.
- Counts are not presented for populations with five or less cumulative new diagnosis. Total case counts for all demographic populations can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage (<u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-casesurveillance</u>).
- Missingness for the county variable was comparably higher prior to 2017 than in 2018–2022 and is therefore not displayed in figures with a geographic level smaller than the entire state of Georgia.
- The Atlanta EMA (Eligible Metropolitan Area) consists of counties that are eligible for Ryan White HIV/AIDS Part A grants. These counties consist of: Barrow, Bartow, Carroll, Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Pickens, Rockdale, Spalding, Walton.



Map of Atlanta EMA Counties

¹Centers for Disease Control and Prevention. Diagnoses of HIV Infection in the United States and Dependent Areas 2021: Technical Notes. <u>https://www.cdc.gov/hiv/library/reports/hiv-surveillance/vol-34/content/technical-notes.html#:~:text=Multiple%20imputation%20is%20used%20to,Duplicates</u>. Updated March 2023. Accessed January 5th, 2024.

HIV SURVEILLANCE DURING THE COVID-19 PANDEMIC

- After the COVID-19 pandemic was declared a national and state emergency in March 2020, access to healthcare services, including HIV testing, prevention, and care-related services, became reduced or temporarily suspended.¹
- The number of people diagnosed with HIV decreased in 2020, in part because of decreased testing availability and changes in healthcare seeking patterns but returned to pre-pandemic levels in 2021.² Therefore, 2020 HIV surveillance data should be interpreted with caution (see below figure).
- In 2022, HIV diagnoses were slightly higher than pre-pandemic levels, which may indicate increased healthcare availability and healthcare seeking behaviors since the 2020 COVID-19-related disruptions.



Interpret HIV data during COVID-19 with caution

19disruptionsonhivdiagnosesingapdf/download

¹ Centers for Disease Control and Prevention. "COVID-19 disruptions in HIV testing and prevention highlight need for innovation and investment before the next public health emergency". Accessed May 8th, 2024 <u>https://www.cdc.gov/media/releases/2022/s1201-HIV-COVID-19.html</u>

² More information on the impact of COVID-19-related healthcare disruptions on HIV diagnosis trends in Georgia is available here: <u>https://dph.georgia.gov/document/document/hivepi2021conferencethelingeringimpactofcovid-</u>

TRENDS BY GEOGRAPHIC AREA

FIGURE 1. NEW HIV DIAGNOSIS COUNTS, GEORGIA, 2014–2022



Between 2014–2022, HIV diagnosis counts decreased an average of 2% per year.

FIGURE 2. NEW HIV DIAGNOSIS RATES, GEORGIA, 2014–2022

New HIV diagnosis rates are decreasing in Georgia. Between 2014–2022, there was a 3% decrease in the rate of HIV diagnoses in Georgia.



FIGURE 3. NEW HIV DIAGNOSIS COUNTS BY THE ELIGIBLE METROPOLITAN AREA*, GEORGIA, 2018–2022⁺

From 2018–2022, the number of new HIV diagnoses were higher in the Atlanta EMA compared to new diagnoses not in the Atlanta EMA.



*Eligible Metropolitan Area are counties that are eligible for Ryan White HIV/AIDS Part A grants; such counties consist of: Barrow, Bartow, Carroll, Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Pickens, Rockdale, Spalding, Walton

[†]Missingness for the county variable was comparably higher from 2015–2017 than 2018–2022 and is therefore not displayed in this figure.

FIGURE 4. NEW HIV DIAGNOSIS RATES BY THE ELIGIBLE METROPOLITAN AREA*, GEORGIA, 2018–2022⁺



From 2018–2022, the rate of new HIV diagnoses were higher in the Atlanta EMA compared to areas not in the Atlanta EMA.

*Eligible Metropolitan Area are counties that are eligible for Ryan White HIV/AIDS Part A grants; such counties consist of: Barrow, Bartow, Carroll, Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Pickens, Rockdale, Spalding, Walton

*Missingness for the county variable was comparably higher from 2015–2017 than 2018–2022 and is therefore not displayed in this figure.

FIGURE 5. NEW HIV DIAGNOSIS RATES IN THE FOUR EHE COUNTIES*, GEORGIA, 2018–2022[†]





*Priority regional counties were selected the Ending the HIV Epidemic in the U.S initiative as set by the Office of Infectious Disease and HIV/AIDS Policy, U.S. Department of Health & Human Services³

+Missingness for the county variable was comparably higher in 2015–2017 compared to 2018–2022 and is therefore not displayed in this graph.

³ Office of Infectious Disease and HIV/AIDS Policy, U.S. Department of Health & Human Services. EHE Priority Jurisdictions <u>https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/jurisdictions/phase-one/</u> Updated December 2023. Accessed February 25th, 2024.

TRENDS BY DEMOGRAPHIC CHARACTERISTICS

FIGURE 6. NEW HIV DIAGNOSIS RATES BY SEX ASSIGNED AT BIRTH, GEORGIA, 2014–2022



Between 2014–2022, HIV diagnosis rates were consistently higher among males compared to females.

FIGURE 7. NEW HIV DIAGNOSIS COUNTS BY GENDER IDENTITY, GEORGIA, 2014–2022





FIGURE 8. NEW HIV DIAGNOSIS COUNTS BY RACE/ETHNICITY, GEORGIA, 2014–2022



Between 2014–2022, HIV diagnosis counts were consistently higher among Black/African American populations compared to other groups.

Note: The cumulative count of new HIV diagnoses among those who were American Indian/Alaska Native or Native Hawaiian/Pacific Islander was less than five in each reported year; therefore, counts are not shown in this figure. Total counts for all racial/ethnic groups, can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance</u>

FIGURE 9. NEW HIV DIAGNOSIS RATES BY RACE/ETHNICITY, GEORGIA, 2014–2022

Between 2014–2022, HIV diagnosis rates were consistently highest among Black/African American populations compared to other groups. HIV diagnosis rates are increasing in Hispanic/Latino populations, but decreasing or remaining at low levels in all other groups.



Note: The cumulative count of new HIV diagnoses among those who were American Indian/Alaska Native or Native Hawaiian/Pacific Islander was less than 12 in each reported year; therefore, rates are not shown in this figure. Total counts for all racial/ethnic groups, can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-</u> <u>section/hivaids-case-surveillance</u>

FIGURE 10. NEW HIV DIAGNOSIS RATES BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022



Between 2014–2022, HIV diagnosis rates were highest among individuals ages 18–24 and 25–34.

FIGURE 11. NEW HIV DIAGNOSIS COUNTS BY HIV TRANSMISSION CATEGORY*, GEORGIA, 2014–2022

Between 2014–2022, HIV diagnosis rates were consistently highest among individuals with an HIV transmission category of male-to-male sexual contact, followed by heterosexual contact. Only a small proportion of HIV diagnoses were attributed to injection drug use overtime.



*HIV transmission category is adjusted for missing risk using multiple imputation methods MMSC: Male-to-male sexual contact; HET: Heterosexual contact; IDU: Injection drug use Note: The rate of transmission categories such as Perinatal, Other/Pediatric, and Adult Other are not displayed due to less than five cases being documented in each reported year.

TRENDS BY SPECIAL POPULATIONS

FIGURE 12. NEW HIV DIAGNOSIS COUNTS AMONG MSM* BY RACE/ETHNICITY, GEORGIA, 2014–2022



Between 2014–2022, HIV diagnosis counts were consistently highest among Black/African American MSM.

*MSM: Men who have sex with men (i.e. individuals with an HIV transmission category of male-to-male sexual contact) Note: The cumulative count of new HIV diagnoses among MSM who were American Indian/Alaska Native or Native Hawaiian/Pacific Islander was less than five in each reported year; therefore, counts are not shown in this figure. Total counts for all racial/ethnic groups, can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-</u> <u>section/hivaids-case-surveillance</u>

FIGURE 13. NEW HIV DIAGNOSIS COUNTS AMONG MSM* BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022



Between 2014–2022, among MSM, HIV diagnosis counts were highest among MSM ages 25–34 and 18–24.

* MSM: Men who have sex with men (i.e. individuals with an HIV transmission category of male-to-male sexual contact)

FIGURE 14. NEW HIV DIAGNOSIS COUNTS AMONG BLACK MSM* BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022

Between 2014–2022, among Black/African American MSM, HIV diagnosis counts were highest for those ages 25–34 and 18–24.



FIGURE 15. NEW HIV DIAGNOSIS COUNTS AMONG HISPANIC/LATINO MSM* BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022





Note: The count of new HIV diagnoses among Hispanic/Latino MSM who were between the years of 13–17 or 65+ was five or less in each reported year; therefore, counts are not shown in this figure. Total counts can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance</u>

FIGURE 16. NEW HIV DIAGNOSIS RATES AMONG FEMALES BY RACE/ETHNICITY, GEORGIA, 2014–2022





Note: The cumulative count of new HIV diagnoses among females who were Asian or Native Hawaiian/Pacific Islander was less than 12 for each reported year; therefore, rates are not shown in this figure.

FIGURE 17. NEW HIV DIAGNOSIS RATES AMONG FEMALES BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022

Between 2014–2022, females were diagnosed with HIV across a broad age range (18–64). This is much broader than the overarching population diagnosed with HIV (see Figure 10 for comparison).



Note: The count of new HIV diagnoses among females who were between the ages of 13-17 years and 65+ years was less than 12 in some reported years; therefore, rates are not shown in this figure.

FIGURE 18. NEW HIV DIAGNOSIS COUNTS AMONG TRANSGENDER/ADDITIONAL GENDER IDENTITY POPULATIONS BY RACE/ETHNICITY, GEORGIA, 2014–2022





Note: The cumulative count of new HIV diagnoses among transgender/additional gender identity populations who were Asian, American Indian/Alaska Native, or Native Hawaiian/Pacific Islander was five or less in each reported year; therefore, case counts are not shown in this figure. Total case counts for all racial/ethnic groups among transgender/additional gender identity populations can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance

FIGURE 19. NEW HIV DIAGNOSIS COUNTS AMONG TRANSGENDER/ADDITIONAL GENDER IDENTITY INDIVIDUALS BY AGE GROUPS (IN YEARS) GEORGIA, 2014–2022



https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance

Between 2014–2022, among transgender/additional gender identity populations, HIV diagnosis counts were highest among those ages 25–34 and 18–24.

FIGURE 20. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO HETEROSEXUAL CONTACT AMONG BLACK CISGENDER MEN BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022

Between 2014–2022, among Black/African American cisgender men (heterosexual contact), most HIV diagnoses occurred among those ages 25–64.



from 2014–2022; therefore, case counts are not shown in this figure. Total case counts for all age groups can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance

FIGURE 21. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO HETEROSEXUAL CONTACT AMONG BLACK CISGENDER WOMEN BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022

Between 2014–2022, Black/African American cisgender women were diagnosed with HIV across a broad age range (18–64). This is much broader than the overarching population diagnosed with HIV (see Figure 10 for comparison).



FIGURE 22. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO IDU* BY RACE/ETHNICITY, GEORGIA, 2014–2022

Between 2014–2022, Black/African American and White populations accounted for most HIV diagnoses attributed to IDU. White populations accounted for a much larger proportion of HIV diagnoses attributed to IDU compared to HIV diagnoses of any transmission category (see Figure 8 for comparison).



*IDU: Injection drug use

Note: The cumulative count of new HIV diagnoses among IDU who were Asian, American Indian/Alaska Native, and Native Hawaiian/Pacific Islander was less than five from 2014–2022; therefore, case counts are not shown in this figure. Total case counts for transmission categories by racial/ethnic groups can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance</u>

FIGURE 23. NEW HIV DIAGNOSIS COUNTS ATTRIBUTED TO IDU* BY AGE GROUPS (IN YEARS), GEORGIA, 2014–2022

Between 2014–2022, people with an HIV diagnosis attributed to IDU were diagnosed across a broad age range and most commonly between ages 25–34.

*IDU: Injection drug use

Note: The cumulative count of new HIV diagnoses among IDU who were between 13-17 years was less than five from 2014–2022; therefore, case counts are not shown in this figure. Total case counts transmission categories among all age groups can be found in the GA Department of Public Health HIV Epidemiology Surveillance webpage <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance</u>

SUPPLEMENTARY INFORMATION

Additional data on HIV in Georgia:

Georgia Department of Public Health HIV Epidemiology Section's Main Website: <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section</u>

- Prior year HIV Trends in Georgia Reports/Slides are available under "HIV Case Surveillance Data Archive": https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-surveillance
- Other resources available include surveillance summary reports, HIV care continuum reports, fact sheets, special reports, and presentations: <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-</u> <u>section/hivaids-case-surveillance</u>

Centers for Disease Control and Prevention, Division of HIV Prevention: <u>https://www.cdc.gov/hiv/default.html</u> AIDSVu: <u>https://aidsvu.org/</u>

Reporting:

All health care providers diagnosing and/or providing care to a patient with HIV are required by Georgia law (O.C.G.A. §31-12-1) to report HIV infection using the HIV/AIDS Case Report Form.

Case report forms should be completed within seven (7) days of diagnosing a patient with HIV and/or AIDS or within seven (7) days of assuming care of an HIV positive patient who is new to the provider, regardless of whether the patient has previously received care elsewhere.

Adult and Pediatric case report forms are available at <u>https://dph.georgia.gov/epidemiology/georgias-hivaids-epidemiology-section/hivaids-case-reporting</u>

For more questions on HIV case reporting in Georgia please contact the HIV Surveillance Coordinator at 1-800-827-9769 (no faxing permitted). eFax: 404-506-9297

Requesting data:

To request data, please visit <u>http://dph.georgia.gov/phip-data-request</u> to create a PHIP data request account and login.

Please direct question to: Jenna Gettings, DVM, MPH Director HIV Epidemiology Section jenna.gettings@dph.ga.gov

