Annual Epidemiology and Surveillance Report

Data through 2020

District of Columbia Department of Health | HIV/AIDS, Hepatitis, STD, and TB Administration
New HIV Diagnoses
Newly Diagnosed HIV Cases, Deaths, and Living HIV Cases, by Year, District of Columbia, 1983-2020

Implementation of 1993 case definition
Code-based HIV reporting
Name-based reporting
Implementation of expanded city-wide HIV testing initiative
Molecular HIV surveillance
DC needle exchange program
PrEP uptake
HAART

† Living HIV cases who were DC residents at diagnosis
* 2020 deaths not available at time of publication
New HIV Diagnoses by Year of Diagnosis—District of Columbia, 2007-2020

- **Number of Persons Newly Diagnosed:**
  - 1,374 (2007)
  - 1174 (2008)
  - 910 (2009)
  - 867 (2010)
  - 705 (2011)
  - 637 (2012)
  - 536 (2013)
  - 442 (2014)
  - 405 (2015)
  - 388 (2016)
  - 381 (2017)
  - 327 (2018)
  - 273 (2019)
  - 217 (2020)

- **82% Decrease**
New HIV Diagnoses by Year and Gender Identity—District of Columbia, 2016-2020

Number of Persons Newly Diagnosed

Year of Diagnosis

<table>
<thead>
<tr>
<th>Year</th>
<th>Transgender</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>3.1%</td>
<td>24.2%</td>
<td>72.7%</td>
</tr>
<tr>
<td>2017</td>
<td>2.9%</td>
<td>23.1%</td>
<td>74.0%</td>
</tr>
<tr>
<td>2018</td>
<td>2.8%</td>
<td>20.8%</td>
<td>76.5%</td>
</tr>
<tr>
<td>2019</td>
<td>1.1%</td>
<td>22.0%</td>
<td>76.9%</td>
</tr>
<tr>
<td>2020</td>
<td>4.1%</td>
<td>18.9%</td>
<td>76.0%</td>
</tr>
</tbody>
</table>

n=388  
n=381  
n=327  
n=273  
n=217
New HIV Diagnoses by Gender Identity—District of Columbia, 2020 (n=217)

- Male (n=165) - 75.3%
- Female (n=41) - 19.5%
- Transgender (n=9) - 4.3%

Percentage of Persons Newly Diagnosed
New HIV Diagnoses by Gender Identity and Mode of Transmission—District of Columbia, 2020 (n=217)

- **Sexual Contact**
  - Male (n=165): MSM 74.5%
  - Female (n=41): Heterosexual Contact 87.8%
  - Transgender (n=9): Sexual Contact 77.8%

- **MSM/IDU**
  - Male: 3.0%
  - Transgender: 11.1%

- **Heterosexual Contact**
  - Male: 14.5%
  - Female: 9.8%

- **Risk Not Identified (RNI)**
  - Male: 7.9%
  - Female: 9.8%
  - Transgender: 11.1%

† Risk Not Identified (RNI)
* Other: perinatal transmission, hemophilia, blood transfusion, and occupational exposure
### New HIV Diagnoses by Age at Diagnosis—District of Columbia, 2020 (n=217)

<table>
<thead>
<tr>
<th>Age at Diagnosis</th>
<th>Percentage of Persons Newly Diagnosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;13</td>
<td>2.3%</td>
</tr>
<tr>
<td>13-17</td>
<td>2.3%</td>
</tr>
<tr>
<td>18-19</td>
<td>13.8%</td>
</tr>
<tr>
<td>20-24</td>
<td>21.7%</td>
</tr>
<tr>
<td>25-29</td>
<td>24.4%</td>
</tr>
<tr>
<td>30-39</td>
<td>13.4%</td>
</tr>
<tr>
<td>40-49</td>
<td>15.2%</td>
</tr>
<tr>
<td>50-59</td>
<td>6.0%</td>
</tr>
<tr>
<td>60+</td>
<td>0.9%</td>
</tr>
<tr>
<td>Missing</td>
<td></td>
</tr>
</tbody>
</table>
New HIV Diagnoses by Race/Ethnicity—District of Columbia, 2020 (n=217)

- **Black** (n=147): 68.0%
- **White** (n=31): 13.4%
- **Latino/a** (n=27): 12.6%
- **Other*** (n=12): 6.1%

*Other race includes mixed race individuals, Asians, Alaska Natives, American Indians, Native Hawaiian, Pacific Islander, and unknown.
Characteristics of Newly Diagnosed HIV Cases—District of Columbia, 2016-2020

1 in 5 were Black Women

1 in 3 were Black men who have sex with men

1 in 4 were aged 30-39
Rates of New HIV Diagnoses—DC, 2019 and 2020

HIV Cases, 2019
N= 273*

Rate of HIV per 100,000 persons
- 0.0 - 16.5
- 16.6 - 46.1
- 46.2 - 73.9
- 74.0 - 107.4
- 107.5 - 192.2

*10% of cases had a missing address or an address that did not geocode and were not included in this map.

HIV Cases, 2020
N= 217*

Rate of HIV per 100,000 persons
- 0.0 - 15.0
- 15.1 - 31.3
- 31.4 - 58.3
- 58.4 - 105.8
- 105.9 - 262.1

*8% of cases had a missing address or an address that did not geocode and were not included in this map.
Rates of HIV Cases Newly Diagnosed in 2020 and Living in DC through 2020—District of Columbia

New HIV Diagnoses, 2020  
N=217*

HIV Cases Living in DC through 2020,  
N= 12,161*

*8% of cases had a missing address or an address that did not geocode and were not included in this map.

*2% of cases had a missing address or an address that did not geocode and were not included in this map.
Linkage to HIV care within 30 days of Diagnosis and Viral Suppression within 90 Days and 6 Months of Diagnosis among New HIV Diagnoses, by Year of Diagnosis—District of Columbia, 2016-2020 (n=1,547*)

*deceased individuals excluded
Perinatal HIV Cases by Year of Birth—District of Columbia, 2007-2020

Number of New Perinatal HIV Cases by Year of Birth

- 2007: 1
- 2008: 2
- 2009: 1
- 2010: 1
- 2011: 1
- 2012: 3
- 2013: 1
- 2014: 2
- 2015: 2
- 2016: 2
- 2017: 2
- 2018: 2
- 2019: 2
- 2020: 2

DC HEALTH
People with HIV Living in the District of Columbia
People with HIV Living in District of Columbia, 2020

All Living HIV Cases, DC Residents at Diagnosis
N=18,106

All Living HIV Cases, DC Resident at Diagnosis and DC Resident at Last Reported Lab in Past 5 Years,
N=10,046

All Living HIV Cases, DC Resident at Last Reported Lab in Past 5 Years,
N=12,161

All Living HIV Cases, Non-DC Resident at Diagnosis but DC Resident at Last Reported Lab in Past 5 Years,
N=2,115

All Living HIV Cases, DC Resident at Diagnosis and Non-DC Resident at Last Reported Lab in Past 5 Years or No Lab Reported in Past 5 Years,
N=8,060

Residential Out-Migration

Residential In-Migration

DC HEALTH
HIV Prevalence by Race/Ethnicity and Gender Identity, District of Columbia, 2020, n=12,161

Overall Prevalence: 1.7%
Epidemic level: 1.0%

Proportion of Residents Living with HIV

<table>
<thead>
<tr>
<th>Group</th>
<th>Prevalence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Men</td>
<td>4.0%</td>
</tr>
<tr>
<td>Latino Men</td>
<td>2.1%</td>
</tr>
<tr>
<td>Black Women</td>
<td>1.7%</td>
</tr>
<tr>
<td>White Men</td>
<td>1.3%</td>
</tr>
<tr>
<td>Latina Women</td>
<td>0.3%</td>
</tr>
<tr>
<td>White Women</td>
<td>0.1%</td>
</tr>
<tr>
<td>Race/Ethnicity and Gender Identity</td>
<td>Proportion of HIV Cases Living in DC, 2020 (n=12,161)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Black MSM and MSM/IDU</strong></td>
<td>28%</td>
</tr>
<tr>
<td>Black Heterosexual Men</td>
<td>8%</td>
</tr>
<tr>
<td>Black Men Other/RNI</td>
<td>5.5%</td>
</tr>
<tr>
<td>Black Men IDU</td>
<td>4%</td>
</tr>
<tr>
<td>Black Heterosexual Women</td>
<td>16%</td>
</tr>
<tr>
<td>Black Women Other/RNI</td>
<td>4%</td>
</tr>
<tr>
<td>Black Women IDU</td>
<td>4%</td>
</tr>
<tr>
<td>White MSM and MSM/IDU</td>
<td>13%</td>
</tr>
<tr>
<td>White Men Other</td>
<td>1.5%</td>
</tr>
<tr>
<td>Latino MSM and MSM/IDU</td>
<td>5.5%</td>
</tr>
<tr>
<td>Latino Male Other</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
<tr>
<td>Black Transgender</td>
<td>1.6%</td>
</tr>
<tr>
<td>Other Transgender</td>
<td>0.5%</td>
</tr>
<tr>
<td>Latina Women</td>
<td>1%</td>
</tr>
<tr>
<td>White Women</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

Proportion of HIV Cases Living in DC, by Race/Ethnicity, Gender Identity and Mode of Transmission, District of Columbia, 2020 (n=12,161)
HIV Care Continuum—District of Columbia, 2020 (n=12,017)

- **Living in DC in 2019**: 12,017
- **Ever linked to care**: 11,821 (98.4%)
- **Retained in any care in 2020**: 9,130 (76%)
- **Virally suppressed in 2020**: 7,958 (66.2%)

**Definitions**:
- **Ever linked to care**: having had at least 1 CD4 test or VL test ever
- **Retained in any care**: having had at least 1 CD4 test or VL test in 2020
- **Retained with >1 medical visit**: having had at least 2 CD4 tests or VL tests in 2020
- **Virally suppressed**: having a viral load of <200 copies/mL in 2020
HIV Care Continuum among Ryan White Clients—District of Columbia, 2020 (n=4,230)

- Retained in care: having 2 or more medical visits in 2019 that were at least 90 days apart
- Prescribed ART: Ryan White clients with documentation of having been prescribed HIV medication in 2019
- Virally suppressed: Having a viral load result of <200 copies/mL at the most recent viral load test in 2019

- 84% of clients were retained in care
- 94% of clients were prescribed ART
- 85% of clients were virally suppressed

Number of Clients

- Clients with one or more medical visits in 2020: 4,230
- Clients retained in care: 3,608 (85% of clients)
- Clients who were prescribed ART: 3,950 (93% of clients)
- Clients who were virally suppressed in 2020: 3,326 (79% of clients)
District of Columbia
HIV Behavioral Surveillance Study
HIV Prevention and risk behavior characteristics among heterosexual individuals in the DC Metropolitan Statistical Area (n= 516)
National HIV Behavioral Surveillance Study (NHBS)

- 80% of participants reported serious psychological distress in the last 30 days
- 47% of participants reported having only one partner in the past 12 months
- A majority of participants (81.0%) reported not using a condom during vaginal sex
- 49% of participants had heard of PrEP; 0.8% had taken it
- Almost one-third of participants were tested for a STI in the past 12 months
- 59% of participants would be very/somewhat likely to take PrEP if it were available in DC for free
# District of Columbia Behavioral Surveillance Study, 2017-2019

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle (sample population)</td>
<td>Men who have sex with men</td>
<td>People who inject drugs</td>
<td>High-risk Heterosexuals</td>
</tr>
<tr>
<td>% of HIV+ tests that were new infections</td>
<td>20%</td>
<td>12.5%</td>
<td>33%</td>
</tr>
<tr>
<td>Know their HIV status*</td>
<td>62%</td>
<td>65%</td>
<td>61%</td>
</tr>
<tr>
<td>Condom use at last sexual encounter</td>
<td>30%</td>
<td>25%</td>
<td>20%</td>
</tr>
<tr>
<td>Knowledge of PrEP</td>
<td>94%</td>
<td>25%</td>
<td>49%</td>
</tr>
<tr>
<td>Use of PrEP</td>
<td>38%</td>
<td>0.9%</td>
<td>0.8%</td>
</tr>
</tbody>
</table>

*Self-reported HIV test in past 12 months
Sexually Transmitted Infections
Reported Primary and Secondary Syphilis by Year of Diagnosis—District of Columbia, 2016-2020
Reported Primary and Secondary Syphilis by Year of Diagnosis—District of Columbia, 2016-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Primary Syphilis</th>
<th>Secondary Syphilis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>8.89</td>
<td>18.96</td>
</tr>
<tr>
<td>2017</td>
<td>13.96</td>
<td>27.34</td>
</tr>
<tr>
<td>2018</td>
<td>14.4</td>
<td>25.23</td>
</tr>
<tr>
<td>2019</td>
<td>16.86</td>
<td>27.06</td>
</tr>
<tr>
<td>2020</td>
<td>13.04</td>
<td>20.12</td>
</tr>
</tbody>
</table>
Reported Gonorrhea and Chlamydia by Year of Diagnosis—District of Columbia, 2016-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Chlamydia</th>
<th>Gonorrhea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>7,865</td>
<td>3,466</td>
</tr>
<tr>
<td>2017</td>
<td>9,344</td>
<td>4,586</td>
</tr>
<tr>
<td>2018</td>
<td>8,970</td>
<td>4,191</td>
</tr>
<tr>
<td>2019</td>
<td>9,245</td>
<td>4,290</td>
</tr>
<tr>
<td>2020</td>
<td>5,956</td>
<td>3,593</td>
</tr>
</tbody>
</table>
Reported Gonorrhea and Chlamydia Rates per 100,000—District of Columbia, 2016-2020

Number of Reported Cases per 100,000

Chlamydia
Gonorrhea
Reported Primary and Secondary Syphilis by Year of Diagnosis—District of Columbia, 2016-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Newly Reported Cases</th>
<th>Secondary Syphilis</th>
<th>Primary Syphilis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>191</td>
<td>68%</td>
<td>32%</td>
</tr>
<tr>
<td>2017</td>
<td>287</td>
<td>66%</td>
<td>34%</td>
</tr>
<tr>
<td>2018</td>
<td>278</td>
<td>64%</td>
<td>36%</td>
</tr>
<tr>
<td>2019</td>
<td>310</td>
<td>64%</td>
<td>38%</td>
</tr>
<tr>
<td>2020</td>
<td>234</td>
<td>61%</td>
<td>39%</td>
</tr>
</tbody>
</table>
Characteristics of Reported Primary and Secondary Syphilis—District of Columbia, 2020

- 9 in 10 were Men
- 3 in 5 were Black
- 2 in 5 were aged 30-39
- 183% increase in women age 15-44 since 2016
### Congenital Syphilis (CS) Cases by Year of Birth—District of Columbia, 2012-2020

<table>
<thead>
<tr>
<th>Year of Birth</th>
<th>Number of Infants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>1</td>
</tr>
<tr>
<td>2013</td>
<td>1</td>
</tr>
<tr>
<td>2014</td>
<td>1</td>
</tr>
<tr>
<td>2015</td>
<td>1</td>
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<tr>
<td>2016</td>
<td>1</td>
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<tr>
<td>2017</td>
<td>1</td>
</tr>
<tr>
<td>2018</td>
<td>1</td>
</tr>
<tr>
<td>2019</td>
<td>1</td>
</tr>
<tr>
<td>2020</td>
<td>3</td>
</tr>
</tbody>
</table>

- **Confirmed CS**: 1, 1, 1, 1, 1, 1, 1, 1, 3
- **Probable CS**: 1, 1, 1, 1, 1, 1, 1, 1, 3
Rates of Newly Diagnosed HIV and Primary and Secondary Syphilis Cases—District of Columbia, 2020

HIV Cases, 2020
N=217*

Primary and Secondary Syphilis, 2020
N=236*

*8% of cases had a missing address or an address that did not geocode and were not included in this map.

*0.8% of cases had a missing address or an address that did not geocode and were not included in this map.
Rates of Reported Chlamydia Cases—District of Columbia, 2020 (n=5,956*)

*5% of cases had a missing address or an address that did not geocode and were not included in this map.
### Characteristics of Reported Chlamydia Cases, District of Columbia, 2020

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women</td>
<td>1 in 2</td>
</tr>
<tr>
<td>Age 13-19</td>
<td>1 in 5</td>
</tr>
<tr>
<td>Age 20-29</td>
<td>1 in 2</td>
</tr>
</tbody>
</table>
Rates of Reported Gonorrhea Cases, District of Columbia, 2020 (n=3,593*)

Rate of Gonorrhea per 100,000 persons:
- 0.0 - 165.3
- 165.4 - 420.7
- 420.8 - 678.7
- 678.8 - 1,033.9
- 1,034.0 - 1,600.5

*7% of cases had a missing address or an address that did not geocode and were not included in this map.
Characteristics of Reported Gonorrhea Cases, District of Columbia, 2020

7 in 10 were Men

1 in 2 were aged 20-29
Rates of Reported Primary and Secondary Syphilis Cases per 100,000—Top 10 US Counties and Independent Cities, 2019

- San Francisco County, CA: 65.5
- Fulton County, GA: 52
- Baltimore (City), MD: 51.8
- Washington, DC: 43.8
- New York County, NY: 41.9
- St. Louis (city), MO: 41.3
- Dekalb County, GA: 40.8
- Pulaski County, AR: 40.7
- Bernalillo County, NM: 39.3
- Jackson County, MO: 37.7
Rates of Reported Gonorrhea Cases per 100,000—Top 10 US Counties and Independent Cities, 2019

<table>
<thead>
<tr>
<th>Location</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Louis (city), MO</td>
<td>806</td>
</tr>
<tr>
<td>Hinds County, MS</td>
<td>748</td>
</tr>
<tr>
<td>Baltimore (City), MD</td>
<td>661</td>
</tr>
<tr>
<td>San Francisco County, CA</td>
<td>633</td>
</tr>
<tr>
<td>Washington, DC</td>
<td>624</td>
</tr>
<tr>
<td>New York County, NY</td>
<td>566</td>
</tr>
<tr>
<td>Milwaukee County, WI</td>
<td>536</td>
</tr>
<tr>
<td>Orleans Parish, LA</td>
<td>535</td>
</tr>
<tr>
<td>Jefferson County, AL</td>
<td>471</td>
</tr>
<tr>
<td>Jackson County, MO</td>
<td>466</td>
</tr>
</tbody>
</table>
Rates of Reported Chlamydia Cases per 100,000—Top 10 US Counties and Independent Cities, 2019

- Baltimore (City), MD: 1,428
- Washington, DC: 1,328
- Philadelphia County, PA: 1,285
- Bronx County, NY: 1,277
- Milwaukee County, WI: 1,234
- Richland County, SC: 1,189
- Denver County, CO: 1,108
- New York County, NY: 1,094
- Marion County, IN: 1,081
- Shelby County, TN: 1,079
Hepatitis B and C
Reported Chronic Hepatitis B Cases by Gender and Year of Diagnosis, District of Columbia, 2016-2020

Diagnosis year based on date of first reported chronic hepatitis B positive laboratory report based on 2016 CDC case definition guidance.

Cases with a reported residential address outside of the District of Columbia at the time of diagnosis are excluded from analysis.

Information for 2 people was missing in 2018 and they were removed from this analysis.
Reported Chronic Hepatitis B Cases by Age at Diagnosis and Year of Diagnosis (%), District of Columbia, 2016-2020

¹Diagnosis year based on date of first reported chronic hepatitis B positive laboratory report based on 2016 CDC case definition guidance.  
²Cases with a reported residential address outside of the District of Columbia at the time of diagnosis are excluded from analysis.
Reported Chronic Hepatitis C Cases by Gender and Year of Diagnosis, District of Columbia, 2016-2020

Chronic Hepatitis C Cases by Year and Gender:
- **2016**
  - Male: 1,322 (68%)
  - Female: 322 (32%)
- **2017**
  - Male: 1,264 (60%)
  - Female: 404 (40%)
- **2018**
  - Male: 1,491 (61%)
  - Female: 491 (39%)
- **2019**
  - Male: 1,109 (63%)
  - Female: 409 (37%)
- **2020**
  - Male: 874 (64%)
  - Female: 226 (36%)

Notes:
1. Diagnosis year based on date of first reported chronic hepatitis C positive laboratory report based on 2016 CDC case definition guidance.
2. Cases with a reported residential address outside of the District of Columbia at the time of diagnosis are excluded from analysis.
Reported Chronic Hepatitis C Cases by Age at Diagnosis and Year of Diagnosis (%), District of Columbia, 2016-2020

¹Diagnosis year based on date of first reported chronic hepatitis C positive laboratory report based on 2016 CDC case definition guidance.
²Cases with age of diagnosis missing were not included in analysis: 2016 (n=6), 2017(n=5), 2018(n=22), 2019(n=72), 2020(n=10)
³Cases with a reported residential address outside of the District of Columbia at the time of diagnosis are excluded from analysis.
Reported Chronic Hepatitis C Cases by Birth Cohort, District of Columbia 2016-2020

- Born before 1945 (n=661): 5.6%
- Born 1945 to 1965 (n=8,396): 71.2%
- Born after 1965 (n=2,690): 22.7%
Cure Cascade among Reported Chronic Hepatitis C Cases by Birth Cohort—District of Columbia, 2016-2020

- Born before 1945
- Born 1945 to 1965
- Born after 1965

- RNA confirmed: 65% (Born before 1945), 77% (Born 1945 to 1965), 60% (Born after 1965)
- Documented Genotype Test: 9% (Born before 1945), 10% (Born 1945 to 1965), 4% (Born after 1965)
- Non-Detectable at last RNA: 10% (Born before 1945), 14% (Born 1945 to 1965), 5% (Born after 1965)
Tuberculosis
Recommended Citation

Acknowledgements

• DC Department of Health, HIV/AIDS, Hepatitis, STD and TB Administration

• George Washington University, Milken Institute School of Public Health, Department of Epidemiology
Contact Information

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(202) 671-4900