BURDEN OF HIV/AIDS IN BEXAR COUNTY

San Antonio Metropolitan Health District
October 11, 2017
New HIV Diagnoses Rates, 2008-2016

US estimated based on CDC number and US population
New HIV Diagnoses, Bexar County, 2005-2016

Source: Texas HARS database
New HIV Diagnoses by Age Group
Bexar County, 2011-2016

Source: Texas HARS database, 2016 File
New HIV Diagnoses by Race/Ethnicity
Bexar County, 2011-2016

Source: Texas HARS database, 2016 File
Percent of New HIV Diagnoses by Gender, Bexar County, 2016

Bexar County:
- Male: 89%
- Female: 11%

Texas:
- Male: 83%
- Female: 17%

Source: Texas HARS database, 2016 File
Percent of New HIV Diagnoses by Risk Factor, Bexar County & Texas, 2016

Bexar County

- 80% Heterosexual
- 11% MSM
- 6% IDU
- 2% MSM/IDU

Texas

- 72% Heterosexual
- 20% MSM
- 6% IDU
- 2% MSM/IDU

Source: Texas HARS database, 2016 File
Persons Living with HIV, Bexar County, 2016

- ~ 6,000 in Bexar County
- Majority are 45+ years of age (52.4%)
- 85% males
- Race/ethnicity
  - 63% Hispanic
  - 19% White, non-Hispanic
  - 16% Black, non-Hispanic
HIV Mortality Rates, Bexar County, 2011-2015

Source: CDC Wonder
New AIDS Diagnoses by Age Group
San Antonio Transitional Grant Area, 2014-2016

Source: DSHS, ARIES
New AIDS Diagnoses by Race/Ethnicity
San Antonio Transitional Grant Area, 2014-2016

Source: DSHS, ARIES
Percent of New AIDS Diagnosis by Gender, San Antonio TGA, 2016

Source: DSHS, ARIES
Percent of New AIDS Diagnoses by Risk Factor, San Antonio TGA & Texas, 2016

San Antonio TGA
- MSM: 69.4%
- IDU: 12.3%
- MSM/IDU: 10.8%
- Heterosexual: 7.5%
- Pediatric: 0.4%

Texas
- MSM: 59.9%
- IDU: 8.8%
- MSM/IDU: 26.3%
- Heterosexual: 4.2%
- Pediatric: 1.0%

Source: DSHS, ARIES
### HIV/AIDS Burden by Five Most Populous Texas Counties, 2016

<table>
<thead>
<tr>
<th>County</th>
<th>HIV Diagnoses</th>
<th>AIDS</th>
<th>People Living with HIV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bexar</td>
<td>18.7</td>
<td>7.6</td>
<td>310.4</td>
</tr>
<tr>
<td>Dallas</td>
<td>31.7</td>
<td>16.2</td>
<td>673.1</td>
</tr>
<tr>
<td>Harris</td>
<td>26.3</td>
<td>13.1</td>
<td>538.1</td>
</tr>
<tr>
<td>Tarrant</td>
<td>15.0</td>
<td>6.1</td>
<td>266.3</td>
</tr>
<tr>
<td>Travis</td>
<td>20.2</td>
<td>6.7</td>
<td>393.2</td>
</tr>
</tbody>
</table>

HIV Clusters in Bexar County
Cluster Analyses Findings - Texas

• 16 Clusters in Texas
  – Molecular Clusters range from 5-34 cases in Texas
  – Several Clusters have cases linked in other states

• Five clusters in San Antonio*
  – Cluster 51 (27 persons)
  – Cluster 62 (17 persons)
  – Cluster 151 (16 persons)
  – Cluster 911 (11 persons)
  – Cluster 923 (19 persons)

*reported by DSHS on September 21, 2017
Cluster 51 - San Antonio

**Age in years**

- 13-19: 4%
- 20-29: 63%
- 30-39: 22%
- 40-49: 4%
- 50-59: 7%

**Race/Ethnicity**

- African...: 11%
- Hispanic...: 78%
- White: 11%
- Asian: 0%

**Transmission Risk**

- MSM: 74%
- IDU: 0%
- MSM/IDU: 4%
- No Risk Identified: 22%
Cluster 62 - San Antonio

**Age in years**
- 13-19: 0%
- 20-29: 82%
- 30-39: 12%
- 40-49: 6%
- 50-59: 0%

**Race/Ethnicity**
- African American: 12%
- Hispanic: 76%
- White: 12%
- Asian: 0%

**Transmission Risk**
- MSM: 94%
- IDU: 0%
- MSM/IDU: 0%
- No Risk Identified: 6%
Cluster 151 - San Antonio

Age in years

- 13-19: 31%
- 20-29: 63%
- 30-39: 6%
- 40-49: 0%
- 50-59: 0%

Race/Ethnicity

- African American: 13%
- Hispanic: 69%
- White: 13%
- Asian: 6%

Transmission Risk

- MSM: 100%
- IDU: 0%
- MSM/IDU: 0%
- No Risk Identified: 0%
Cluster 911 - San Antonio

**Age in years**
- 13-19: 9%
- 20-29: 73%
- 30-39: 18%
- 40-49: 0%
- 50-59: 0%

**Race/Ethnicity**
- African: 0%
- Hispanic: 91%
- White: 9%
- Asian: 0%

**Transmission Risk**
- MSM: 100%
- IDU: 0%
- MSM/IDU: 0%
- No Risk Identified: 0%
Cluster 923 - San Antonio

**Age in years**

- Age 13-19: 47% 47%
- Age 20-29: 47%
- Age 30-39: 5%
- Age 40-49: 0%
- Age 50-59: 0%

**Transmission Risk**

- Male to Male Sexual Contact: 89%
- Injection Drug (IDU): 0%
- MSM/IDU: 0%
- No Risk Identified: 11%
Cluster Characteristics - San Antonio

• 100% Males
• Highest proportion of HIV new diagnosis in 20-29 year olds – 65%
• Highest proportion of HIV new diagnosis among Hispanics – 80%
• Highest proportion of HIV new diagnosis among MSM – 89%
Comparison of San Antonio Clusters to Bexar County Newly Diagnosed HIV - Sex at Birth

San Antonio Clusters

100%

Bexar County

88%

12%

Source: TX DSHS prt: Molecular HIV Surveillance: Genotyping and Molecular Classification
Comparison of San Antonio Clusters to Bexar County Newly Diagnosed HIV - Race/Ethnicity

San Antonio Clusters
- Black/African American: 1%
- Hispanic/Latino: 9%
- White: 10%
- Other: 0%
- Total: 80%

Bexar County
- Black/African American: 2%
- Hispanic/Latino: 15%
- White: 15%
- Other: 0%
- Total: 67%

Source: TX DSHS prt: Molecular HIV Surveillance: Genotyping and Cluster Identification
Comparison of San Antonio Clusters to Bexar County Newly Diagnosed HIV - Transmission Risk

San Antonio Clusters

- MSM: 89%
- IDU: 10%
- MSM\IDU: 1%
- No Risk Identified (NRI): 0%

Bexar County

- MSM: 79%
- IDU: 11%
- MSM/IDU: 4%
- Heterosexual: 6%

Source: TX DSHS prt: Molecular HIV Surveillance: Genotyping and Cluster Identification
Drug Resistance in Molecular Cluster Cases in Texas

Source: TX DSHS prt: Molecular HIV Surveillance: Genotyping and Cluster Identification
San Antonio TGA HIV Treatment Cascade, 2016

- HIV+ Individuals Living, 2015: 6,343
- At least 1 visit/lab: 4,978
- Retained in Care: 4,547
- Achieved Viral Suppression: 3,878

Source: DSHS, ARIES
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https://www.sanantonio.gov/Health/News/HealthDataReports