



# HIV Infection Epidemiology in Bexar County 2004-2013

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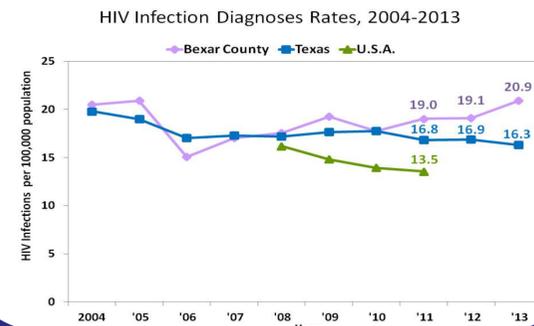
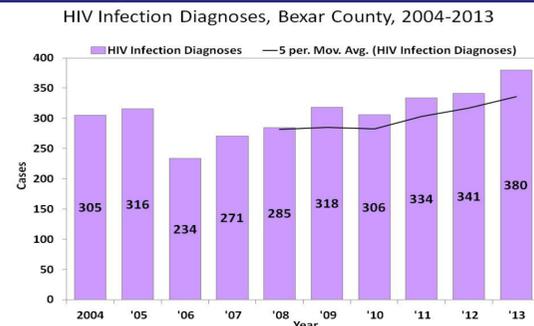
## Abstract

This poster exhibit will analyze the epidemiology of HIV infection in Bexar County over a ten year period (2004 -2013). It highlights the demographics of persons diagnosed with HIV infection, the transmission, the geographic areas that are most affected, and how these factors have changed over time. Sound HIV surveillance data collection and thorough analysis of this data is the foundation on which quality prevention and client care services planning should be based. An insight into the local populations with HIV infection will assist decision and policy makers in HIV prevention, linkage to care and provision of care.

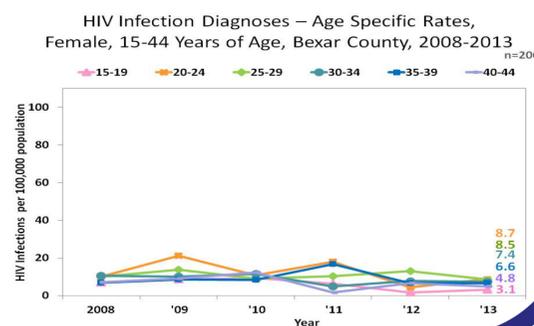
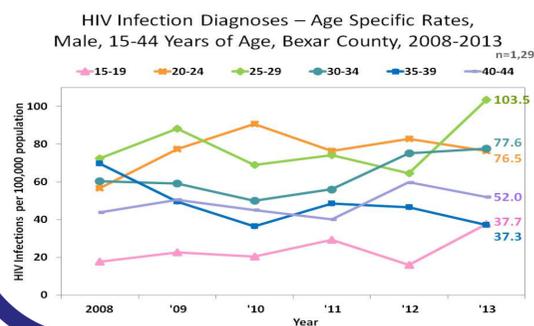
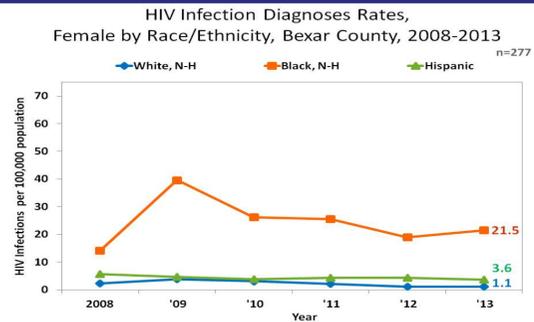
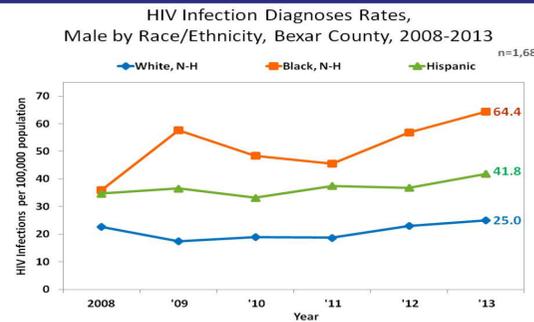
## Discussion

- The number of HIV Infections diagnosed increased 11% in 2013 (380) from 2012 (341). This is the fourth straight year it has increased; since 2006 this has increased by 62%.
- The rate of HIV Infections diagnosed increased 9% to 20.9 in 2013, 1.3 times higher than the 2013 Texas rate and 1.5 times higher than the 2011 US rate.
- The 2013 rate is 9.3 times higher in males in comparison to females and these rates continue to diverge.
- The 2013 rate in non-Hispanic (N-H) black males continues to be the highest (64.4) and is 2.6 times higher than the N-H white male rate (25.0) and 1.5 times the Hispanic male rate (41.8). Rates for all three categories increased from 2012 to 2013.
- The 2013 rate in non-Hispanic (N-H) black females continues to be the highest (21.5) and is 19.5 times higher than the N-H white female rate (1.1) and 6.0 times the Hispanic female rate (3.6).
- Males aged 20-34 have the highest rates of HIV Infection in 2013 (a range of 76.5 - 103.5). Rates among two age groups dramatically increased from 2012 to 2013: (1) 15 - 19 year old males (by 58%) and (2) 25 - 29 year old males (by 60%).
- Females aged 20-39 have higher rates of HIV Infection in 2013 (a range of 6.6 - 8.7). The female rates have remained low; the 20 - 24 year old females have the highest rate (8.7) in 2013.
- In 2013, 29% fewer males and 50% fewer females with newly diagnosed HIV infection converted from HIV to AIDS within the first year of their diagnosis as compared to 2008.
- MSM risk category for HIV Infection increased 8% from 2012 to 2013; MSM remains the highest risk category.
- Persons living with HIV Infection as of December 31, 2013 consist of mostly male (85%), Hispanic (63%) and between the ages of 20 - 39 (68%). From 2011 to 2013, the largest increases were noted in the 15-19 (20%) and the 20-24 (15%) age groups.

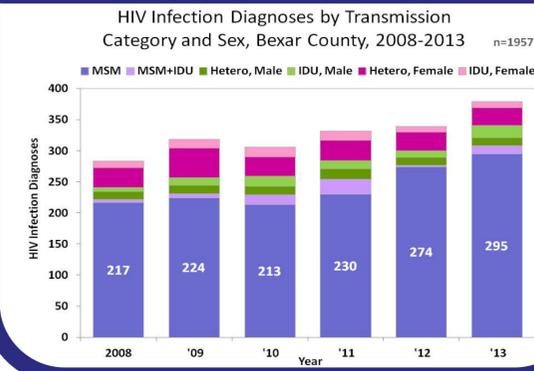
## Cases and Case Rate Comparison



## Demographics (cont.)

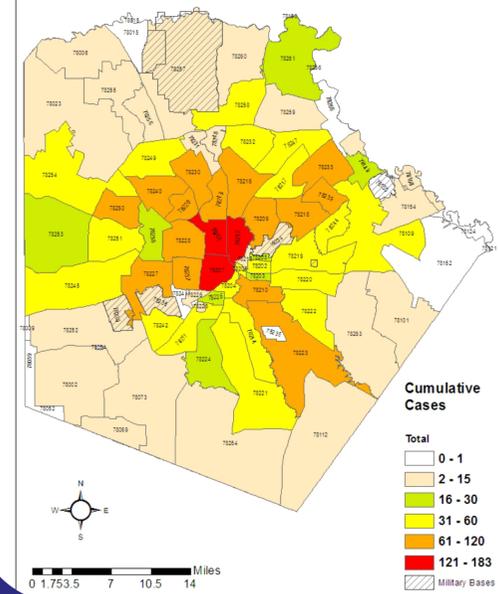


## Transmission

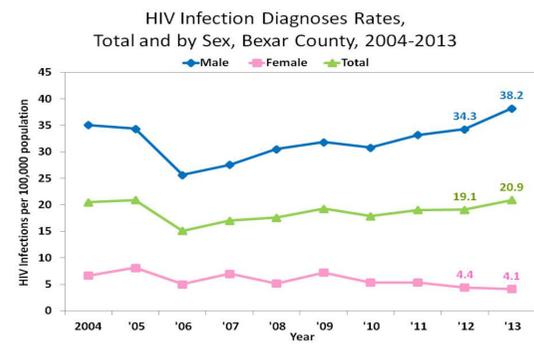


## Geographic Distribution

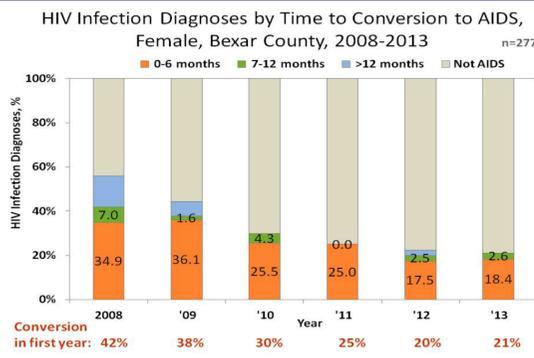
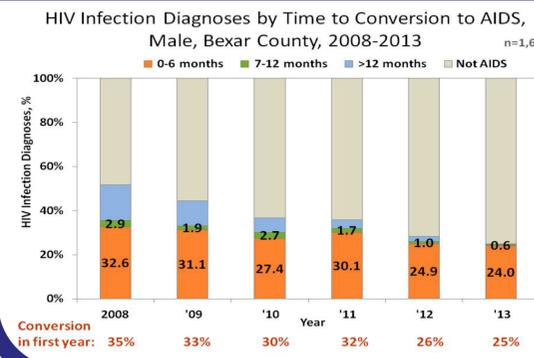
HIV Infection by Zip Code, Bexar County, 2004-2013 (cumulative cases by residence at diagnosis)



## Demographics



## Time to Conversion from HIV Diagnosis to AIDS



## Sources and Notations

- N-H = Non-Hispanic; MSM = men who have sex with men; IDU = injection drug use
- Sources: Texas DSHS HARS 2013 HIV analysis file; CDC HIV Surveillance reports; US Census Bureau population estimates and Census counts were utilized for each respective year

## Acknowledgements

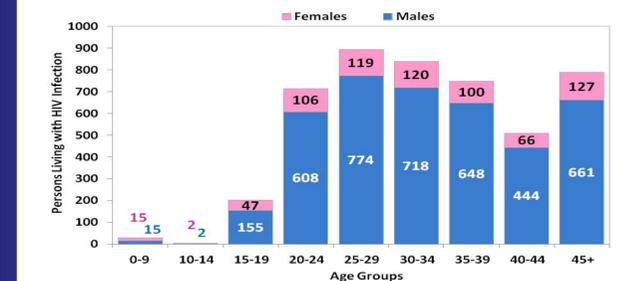
- SAMHD - John Berlanga (Epidemiology Analysis); Robert McGarraugh (GIS-ITSD)
- SAMHD - HIV Surveillance staff, especially Crystal Garza, Maria Acuna, Saul Cuevas
- SAMHD - Public Health Follow-Up staff, especially DIS; all STD-HIV Branch staff;
- DSHS - Austin HIV Epidemiology staff

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## Persons Living with HIV Infection

Persons Living with HIV Infection by Age and Sex, Bexar County as of 12-31-2013



Persons Living with HIV Infection by Age and Race / Ethnicity, Bexar County as of 12-31-2013

