



2nd Annual Dallas/Fort Worth Data Summit

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Medical Monitoring Project (MMP)

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Objectives

- Overview of the Medical Monitoring Project (MMP)
- Discuss uses of 2009 and 2010 MMP data – local and national
- Review select characteristics from the interview and medical chart abstraction data from participants receiving medical care in Dallas/Fort Worth

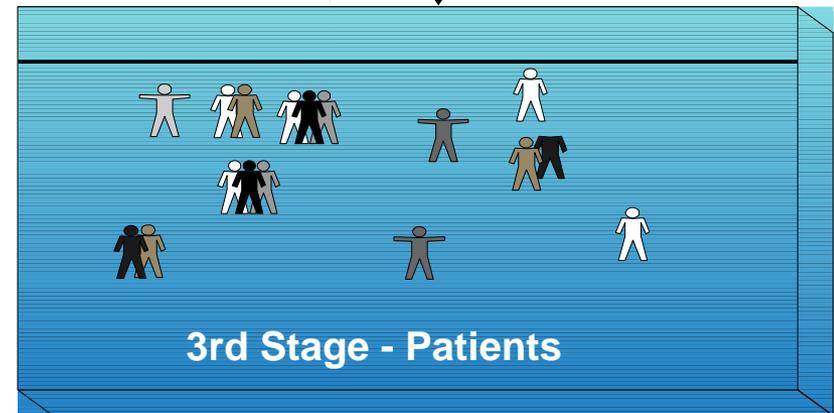
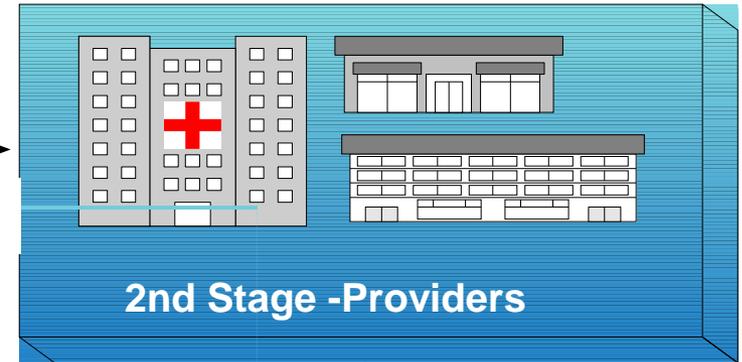
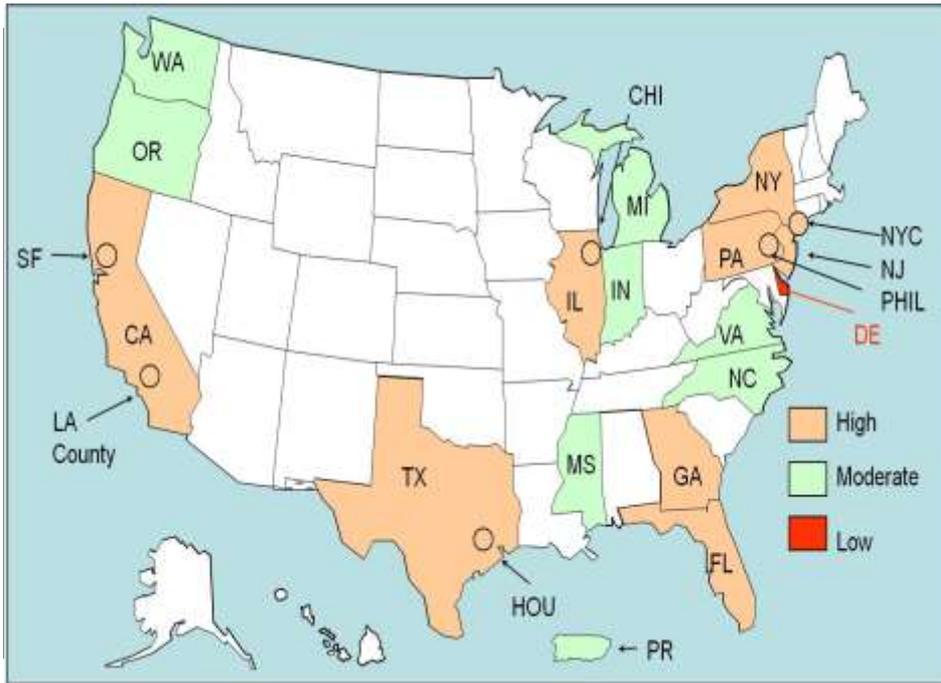
MMP Goals

- Provide local and national estimates of clinical and behavioral characteristics of people with HIV receiving medical care
- Determine access to and use of prevention and support services
- Examine geographic and socio-demographic differences in outcomes

What is MMP?

- Supplemental surveillance project designed to produce nationally representative data on people living with HIV/AIDS (PLWHA) who are receiving care in the United States
- Matched interview and medical record abstraction
- Annual multi-stage probability sample of adults in care for HIV
- Collaborative effort with:
 - State and local health departments
 - CDC (Centers for Disease Control and Prevention)
 - NIH (National Institutes of Health)
 - HRSA (Health Resources and Services Administration)

MMP 3-stage Sample Design



MMP Data Components

Interview & Medical Record Abstraction:

Demographics

Access to care

OI's & co-morbidities

Prophylaxis

Vaccinations

Lab Test Results

ART Adherence

ART Resistance Testing

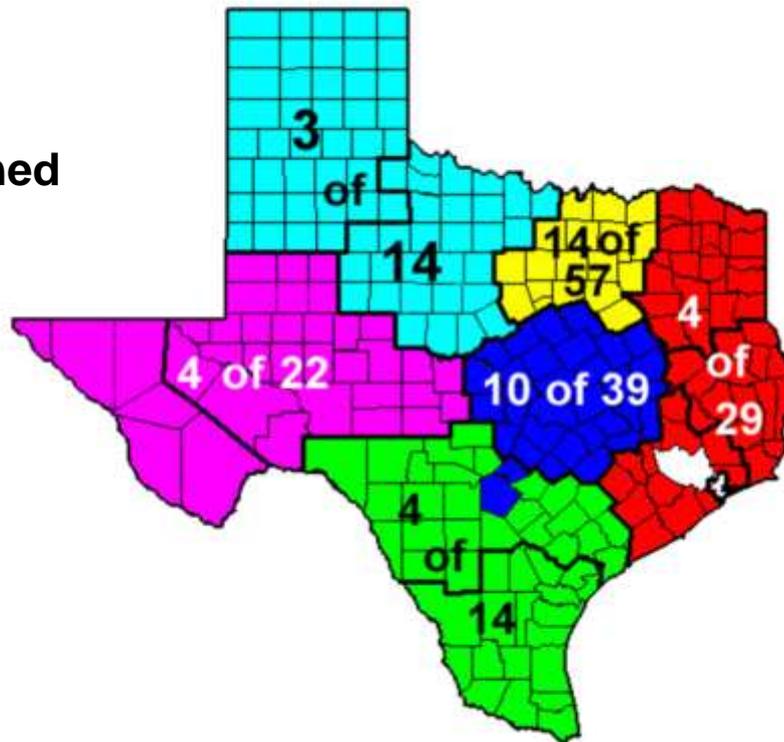
Risk Behaviors

Mental Health

Unmet Needs

Texas MMP 2009/2010 Sampled Facilities

Texas MMP 2009/2010
Sampled Facilities by
Number of Eligible
Facilities in MMP Defined
Areas



Facility & Patient Participation Rates

	2009	2010	2011
Facility	• 85%(29/34)	• 88%(30/34)	• 85% (29/34)
Patient	• 59%(237/400)	• 63%(259/400)	• 65%(260/395)
Overall	• 50%	• 55%	• 55%

- To have representative data, Facility Rate X Patient Rate must be 50%.
- High facility participation is crucial to ensure that the data are representative.
- Sampled facilities and sampled patients can not be substituted for other facilities/patients.

Prevalence of Chronic Kidney Disease Among HIV-infected Adults in Care in the United States, Medical Monitoring Project, 2009

Results

- Approximately 1 in 13 HIV-infected adults in care in the United States in 2009 had CKD

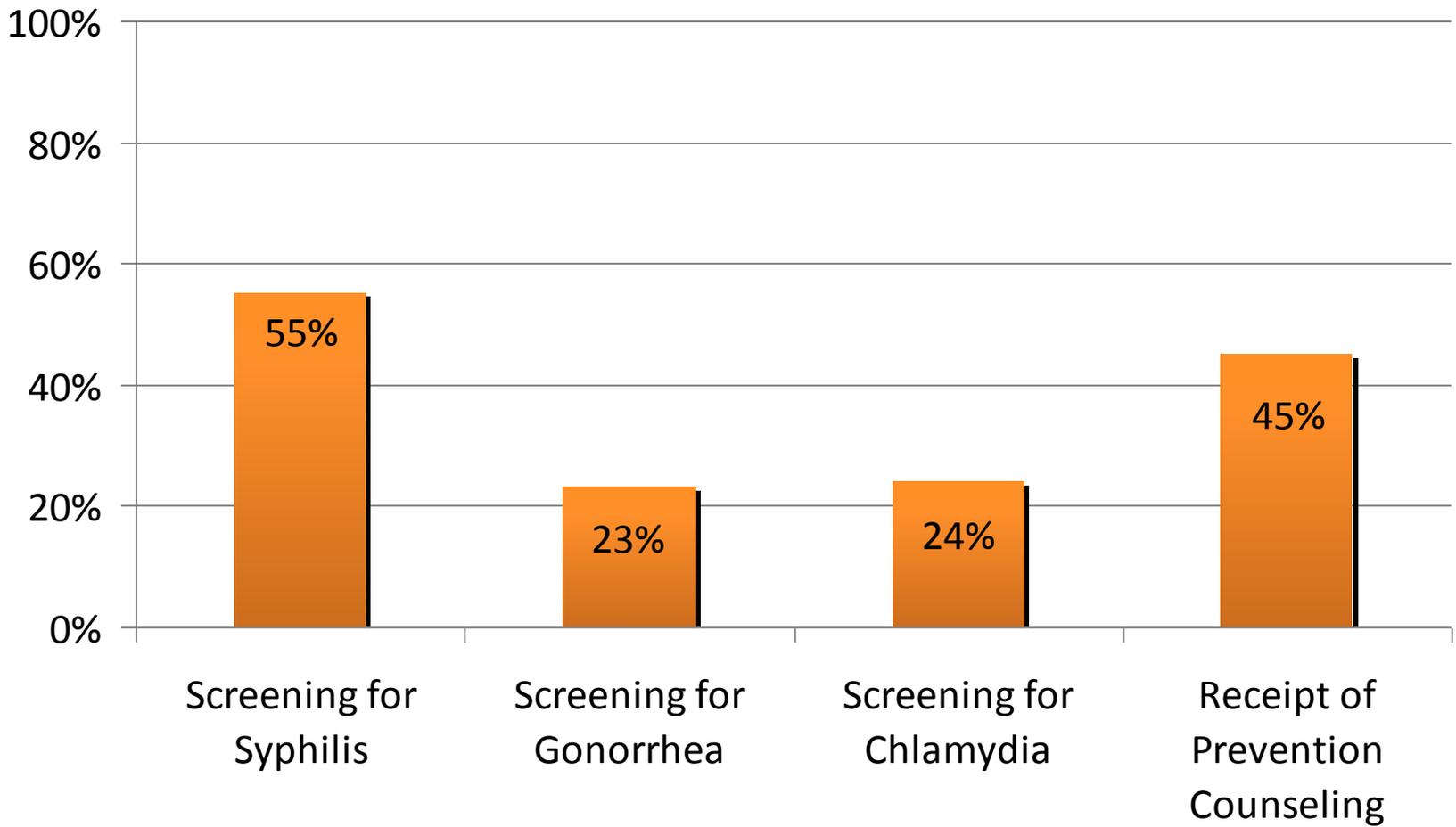
Results

- Over 1% of HIV-infected adults in care had end stage renal disease with $GFR < 15$ and/or requiring renal dialysis

Results

- The absolute burden of CKD fell predominantly among those HIV-infected adults 60 years of age or older
- However, younger HIV-infected adults were substantially more likely to have CKD than the general U.S. population

Nationally Representative Estimates of Quality of HIV Care in the United States, Data from the Medical Monitoring Project, 2009



Adherence to HIV Clinical Treatment Guidelines Among Healthcare Providers, Data from the Medical Monitoring Project, 2009

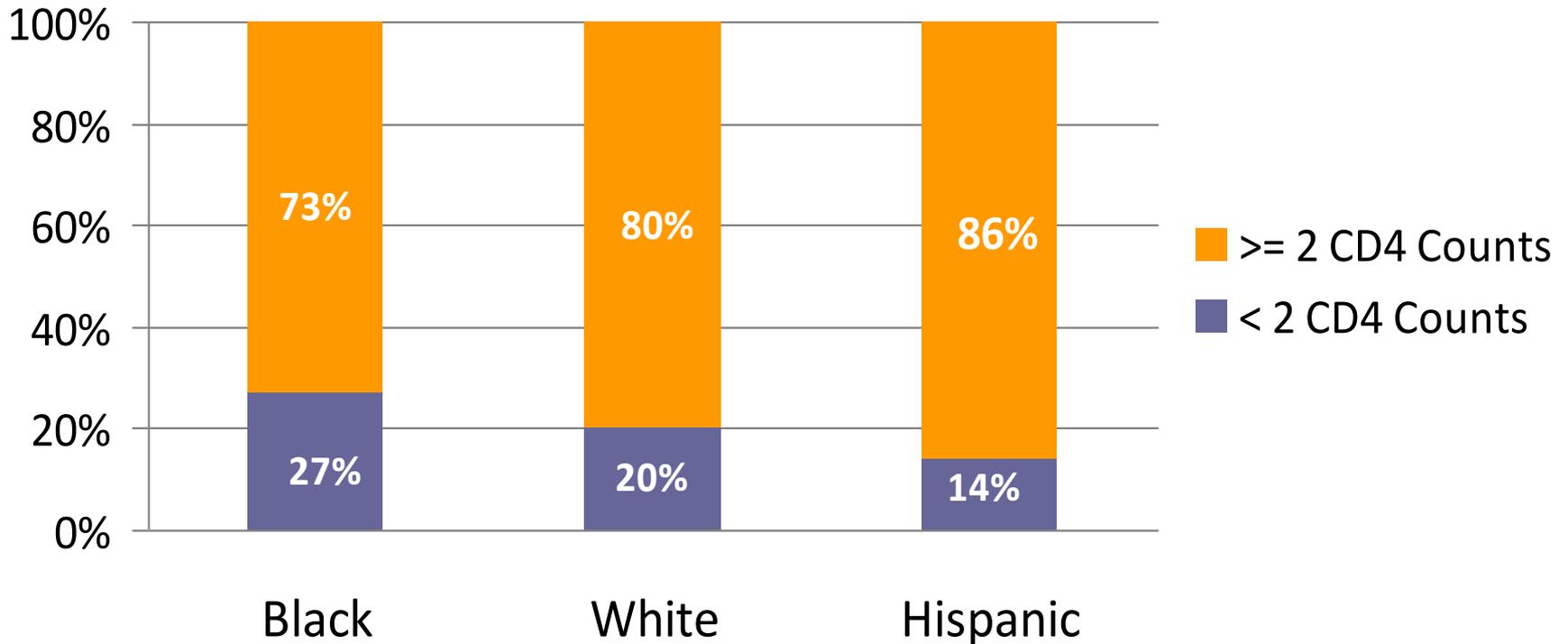
HIV/AIDS Bureau Core Clinical Performance Measures	Institute for Healthcare Improvement (IHI) Target	Texas MMP Estimates*	MMP National Estimates **
Patients w/ ≥ 2 CD4 counts	90%	79%	87%
Patients w/ ≥ 2 medical visits	N/A	95%	N/A
Patients prescribed PCP prophylaxis	95%	73%	72%
AIDS patients prescribed HAART	90%	97%	90%

* Adherence to HIV clinical treatment guidelines among healthcare providers in Texas. S.K. Melville, N. Hawkins, S. Chintapalli, S. Odem, D. Schuster, TB/HIV/STD Epidemiology and Surveillance Branch, Texas Dept of State Health Services Austin, TX, International AIDS Conference July 22-27 2012

**Nationally Representative Estimates of Quality of HIV Care in the United States, Data from the Medical Monitoring Project, 2009, Jacek Skarbinski, Carolyn Furlow-Parmley, and Emma Frazier; Centers for Disease Control and Prevention, Atlanta, GA, Conference on Retroviruses and Opportunistic Infections March 5-8 2013

CD4 Count Tests within Race/Ethnicity Groups, Texas MMP 2009

N=359



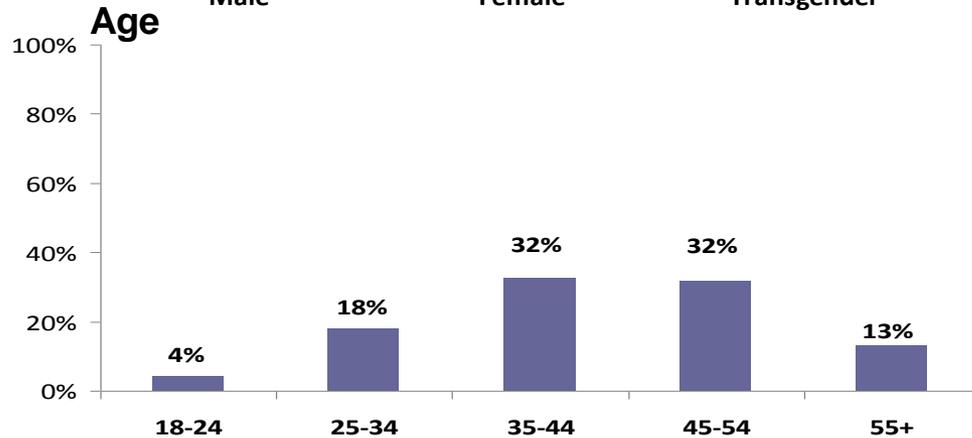
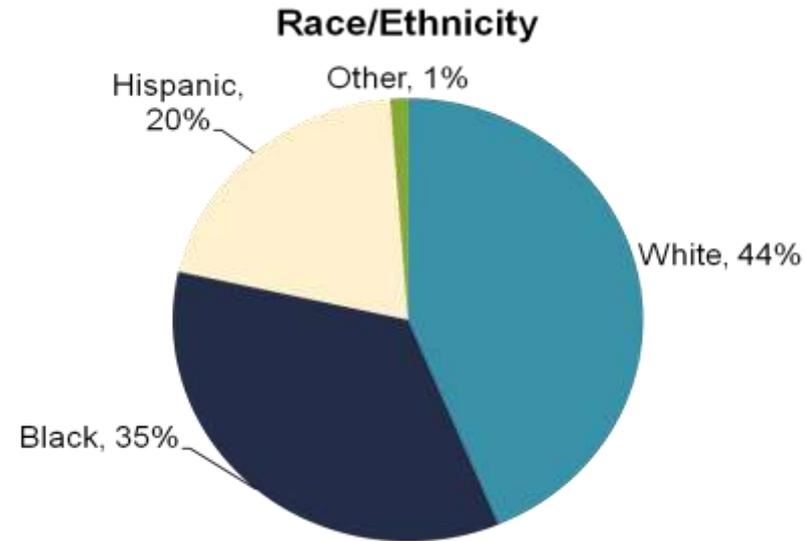
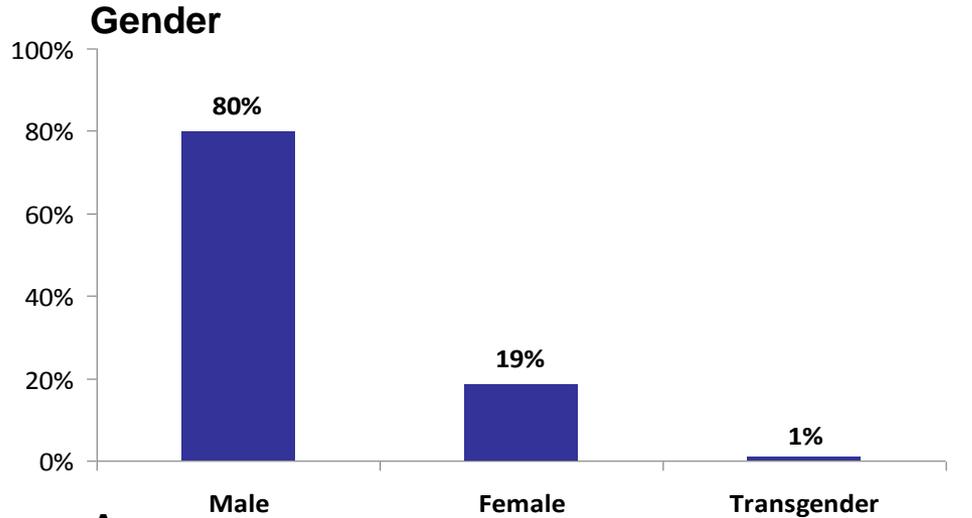
($\chi^2=9.62$, $p=0.0221$)

Dallas/Fort Worth MMP Data

- Data combined across years 2009-2012, unweighted
- 14 sampled facilities (10 Dallas, 4 Fort Worth)
 - 10 facilities agreed to participate
 - 8 Dallas, 2 Fort Worth
- Dallas/Fort Worth Participants
 - 2009 – 105 interviewed, 214 sampled
 - 2010 – 125 interviewed, 199 sampled
 - 2011 – 116 interviewed, 186 sampled
 - 2012 – 84 interviewed, 160 sampled
- Total interviews = 430
- Total medical charts reviewed = 615

Dallas/Fort Worth Demographics

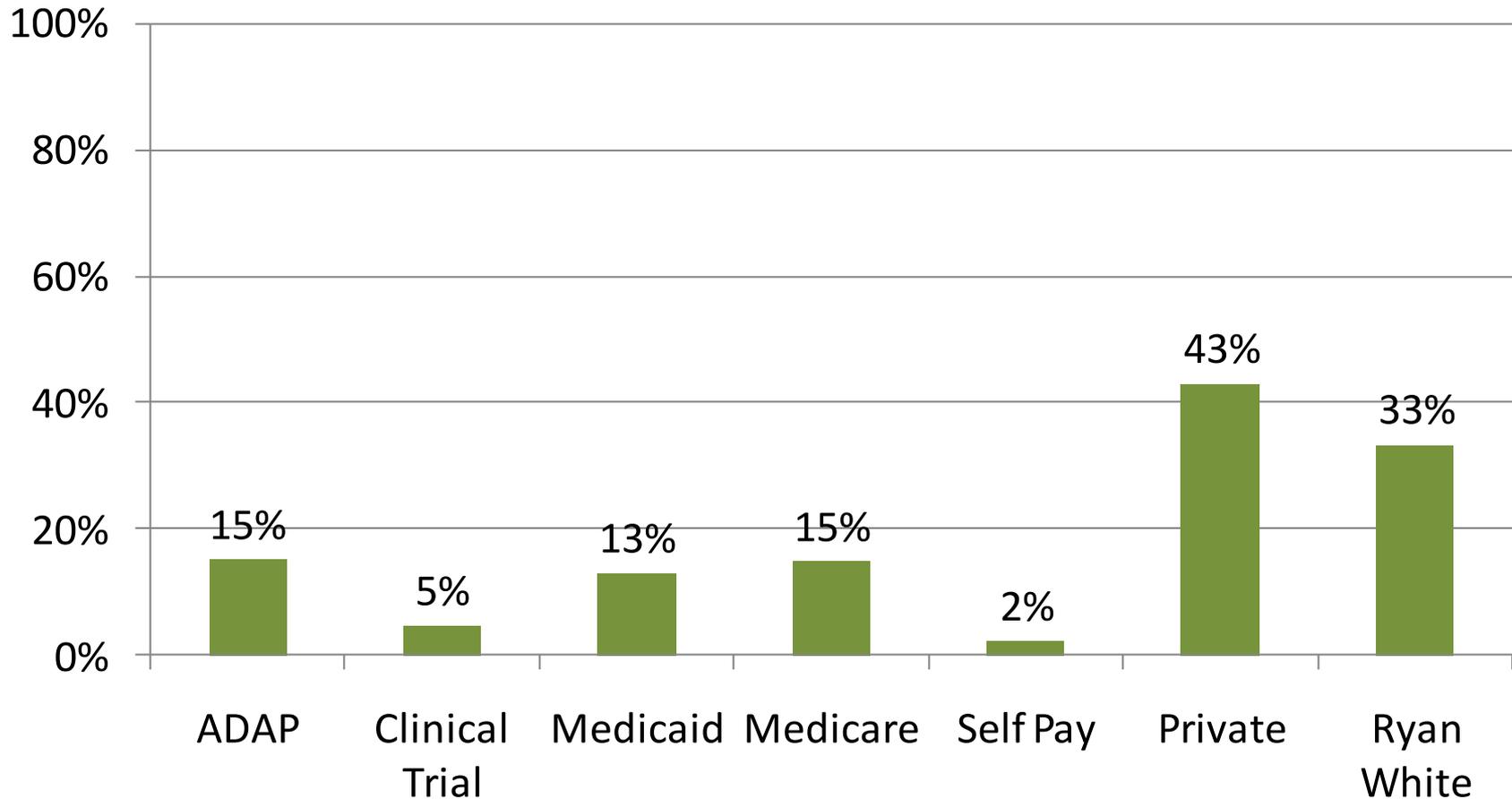
N=430



Source: Medical Monitoring Project Un-weighted Interview Data 2009-2012

Dallas/Fort Worth Health Insurance/Coverage*

N=615



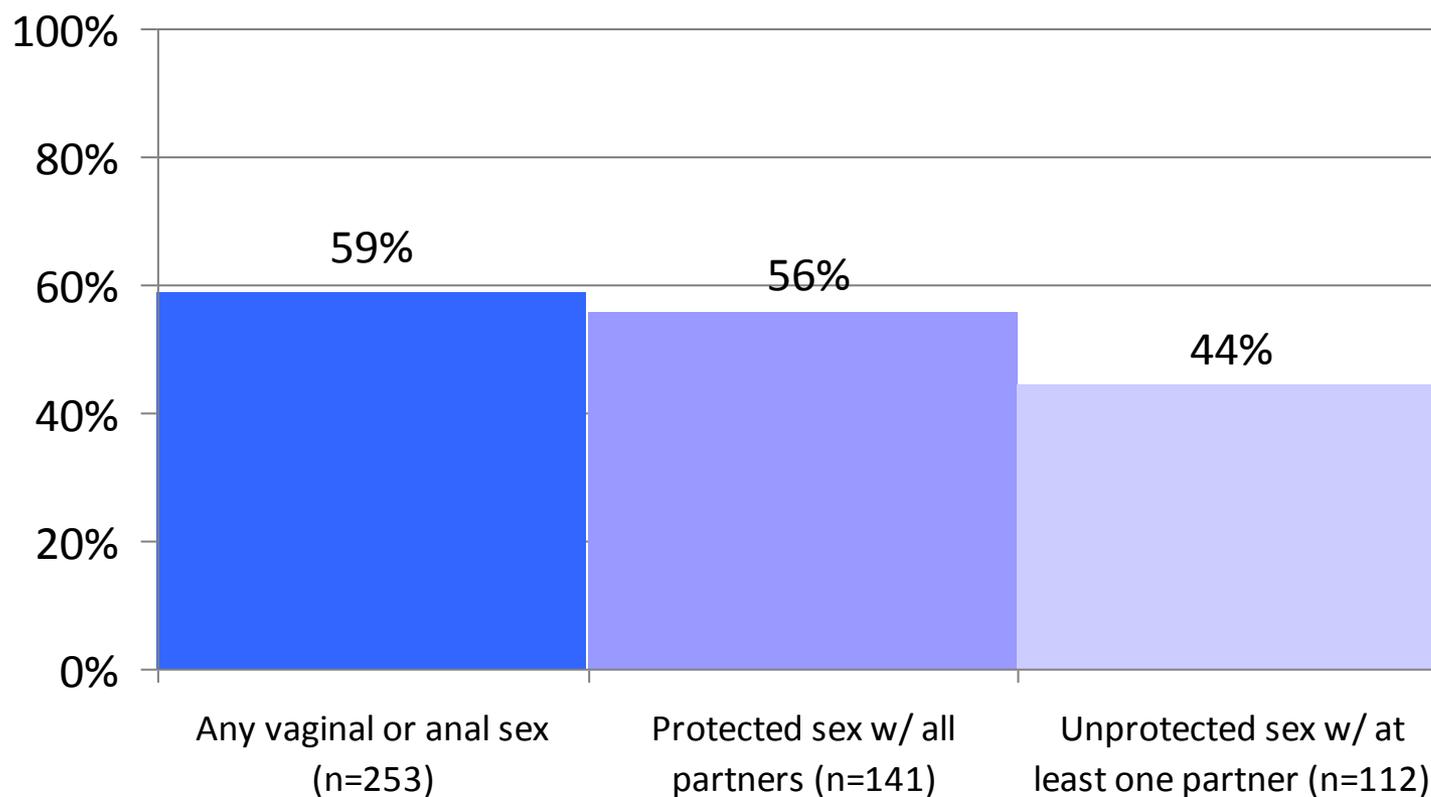
*Categories not mutually exclusive

Source: Medical Monitoring Project Un-weighted Medical Chart Data 2009-2012



Dallas/Fort Worth Sexual Behaviors In Past 12 Months

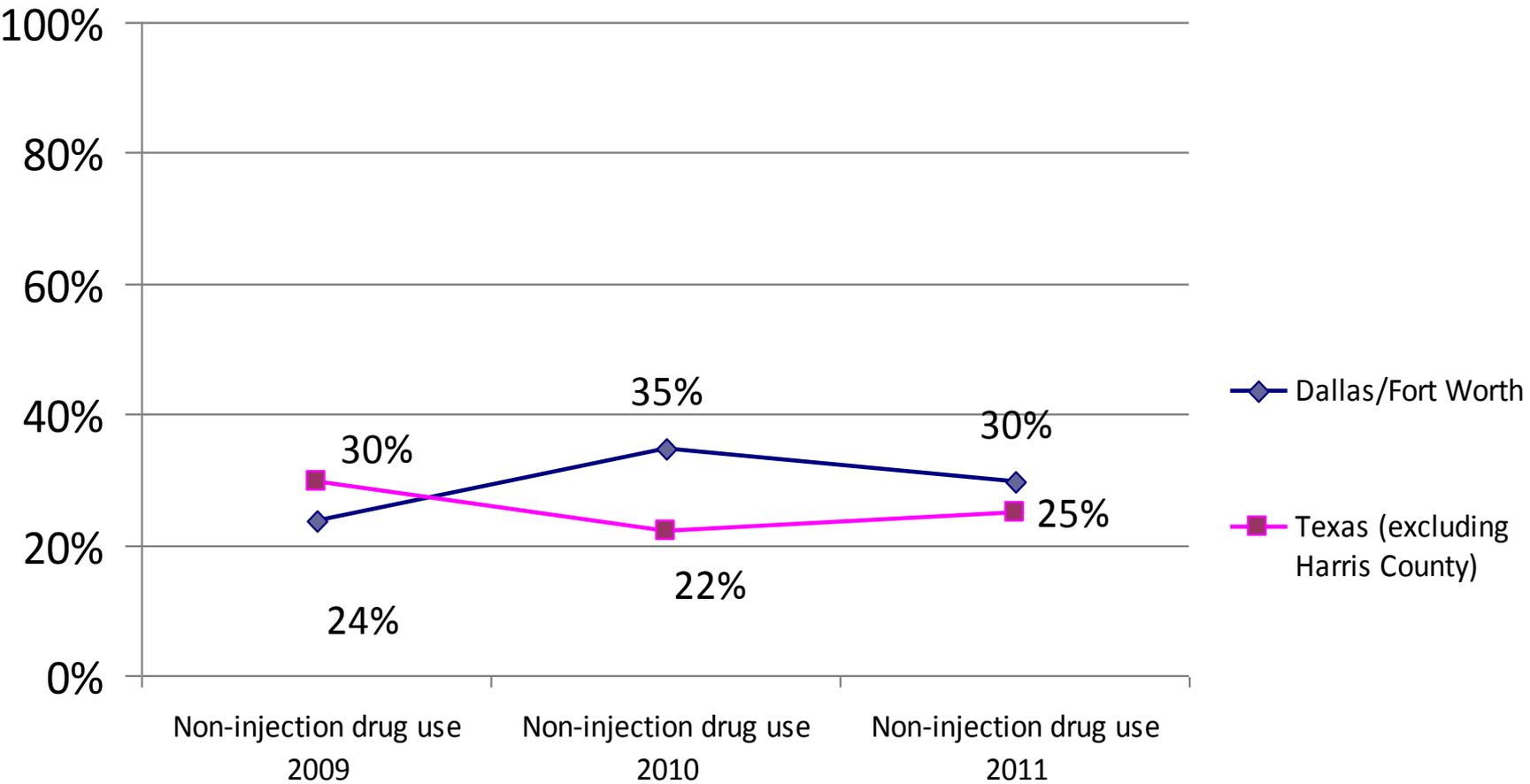
N=430



Source: Medical Monitoring Project Un-weighted Interview Data 2009-2012



Dallas/Fort Worth Non-Injection Drug Use in Past 12 Months, 2009-2011

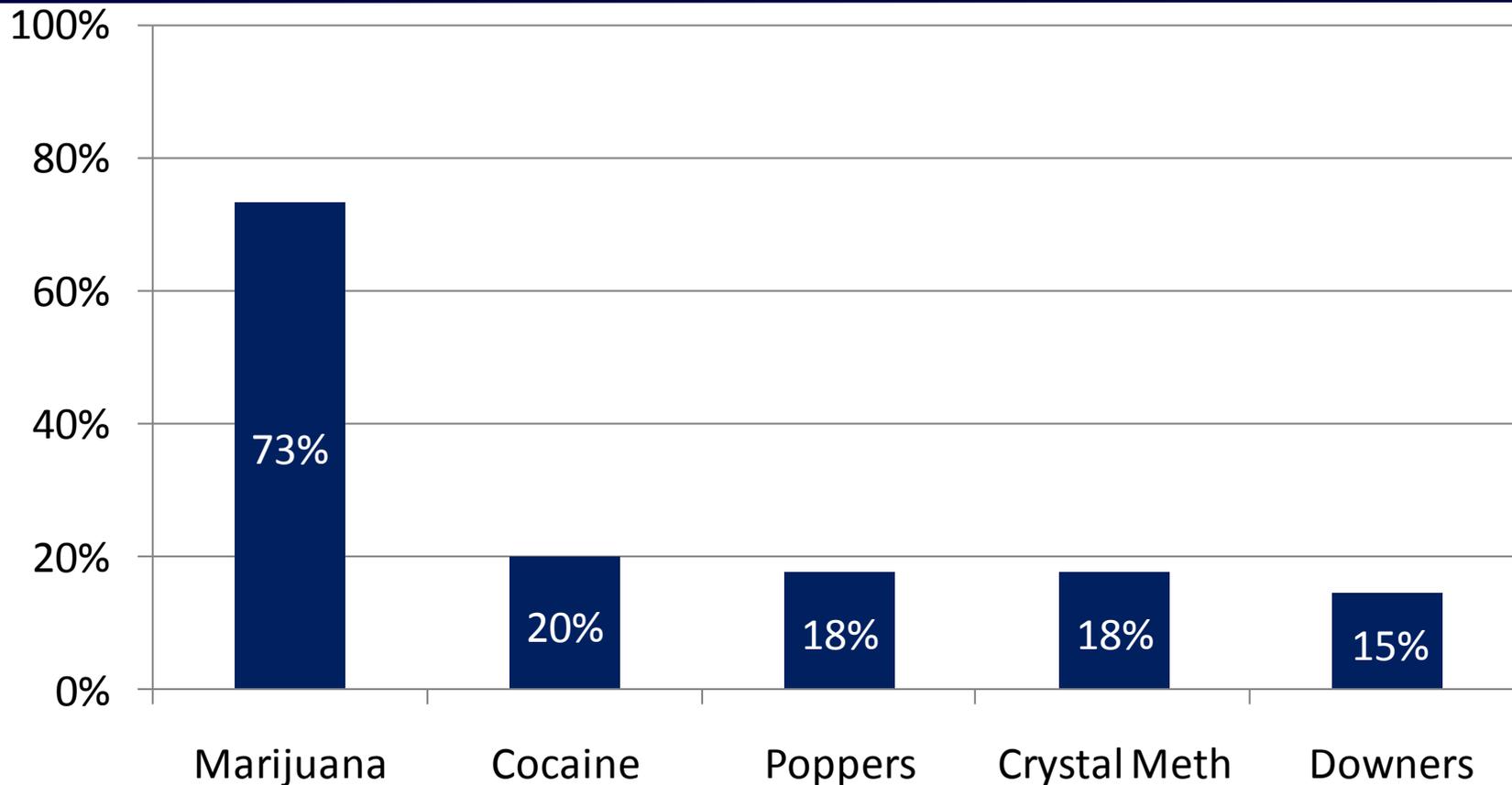


Source: Medical Monitoring Project Un-weighted Interview Data 2009-2011



Dallas/Fort Worth Top 5 Non-Injection Drugs Used in Past 12 Months

N=131

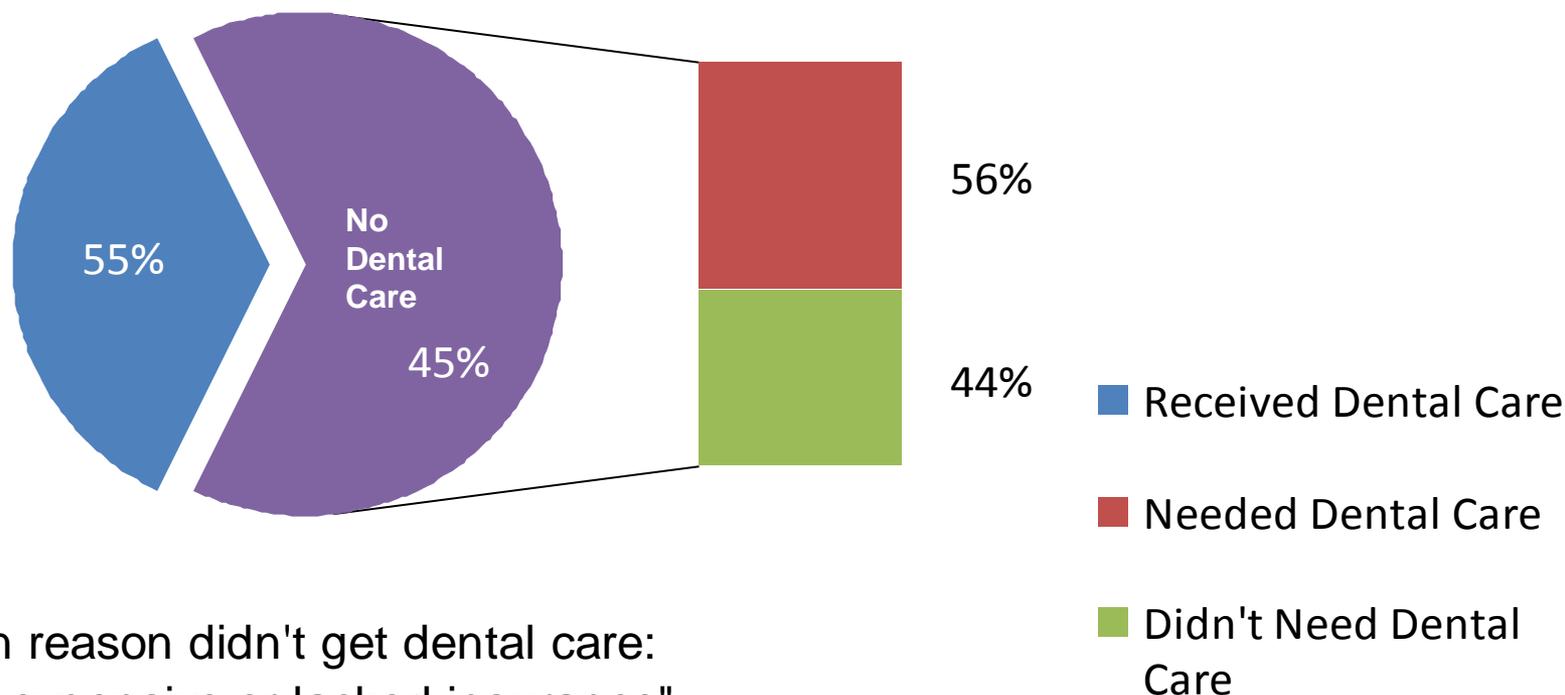


Source: Medical Monitoring Project Un-weighted Interview Data 2009-2012



Dallas/Fort Worth Receipt of and Need for Dental Services

N=430

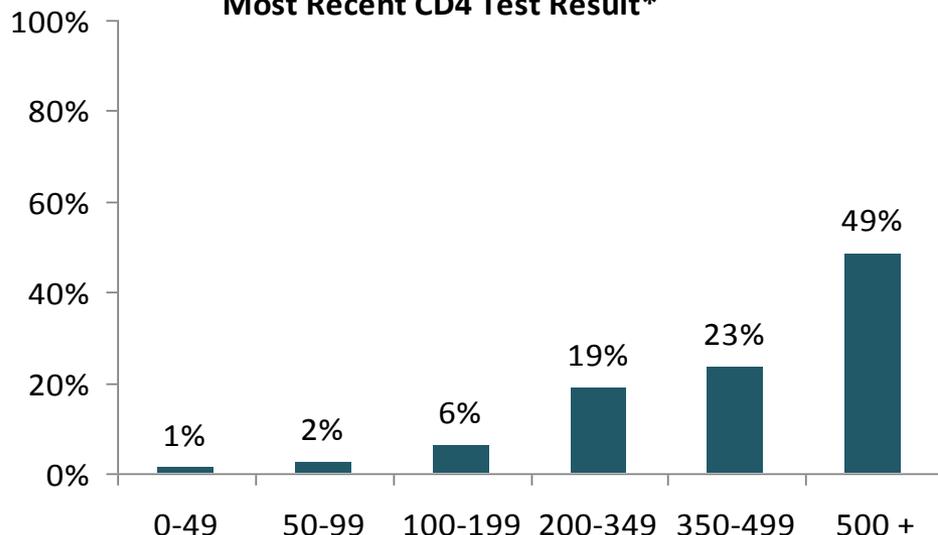


Main reason didn't get dental care:
"too expensive or lacked insurance"

Dallas/Fort Worth Routine Lab Testing Most Recent Result in Past 12 Months

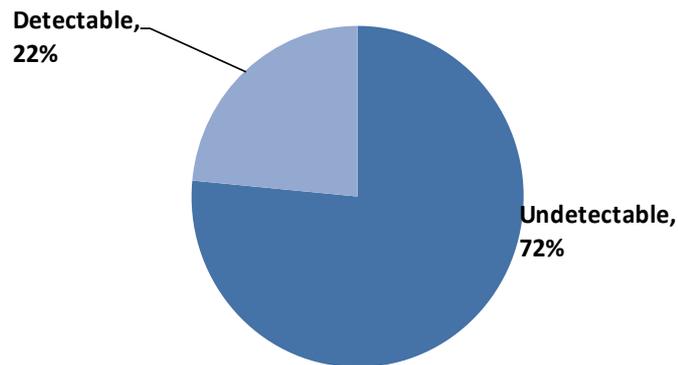
N=615

Most Recent CD4 Test Result*



*Among patients who had a CD4 test in past 12 months

Result of Most Recent HIV Viral Load Test**



**Among patients who had a viral load test in past 12 months

6% did not have a viral load test documented

11% did not have a CD4 test documented

Dallas/Fort Worth Routine Screenings in Past 12 Months

N=615

Screen	Number of and Percentage Screened
Hepatitis	155 (25%)
Syphilis	262 (43%)
Chlamydia	94 (15%)
Gonorrhea	67 (11%)
Other STIs	92 (15%)

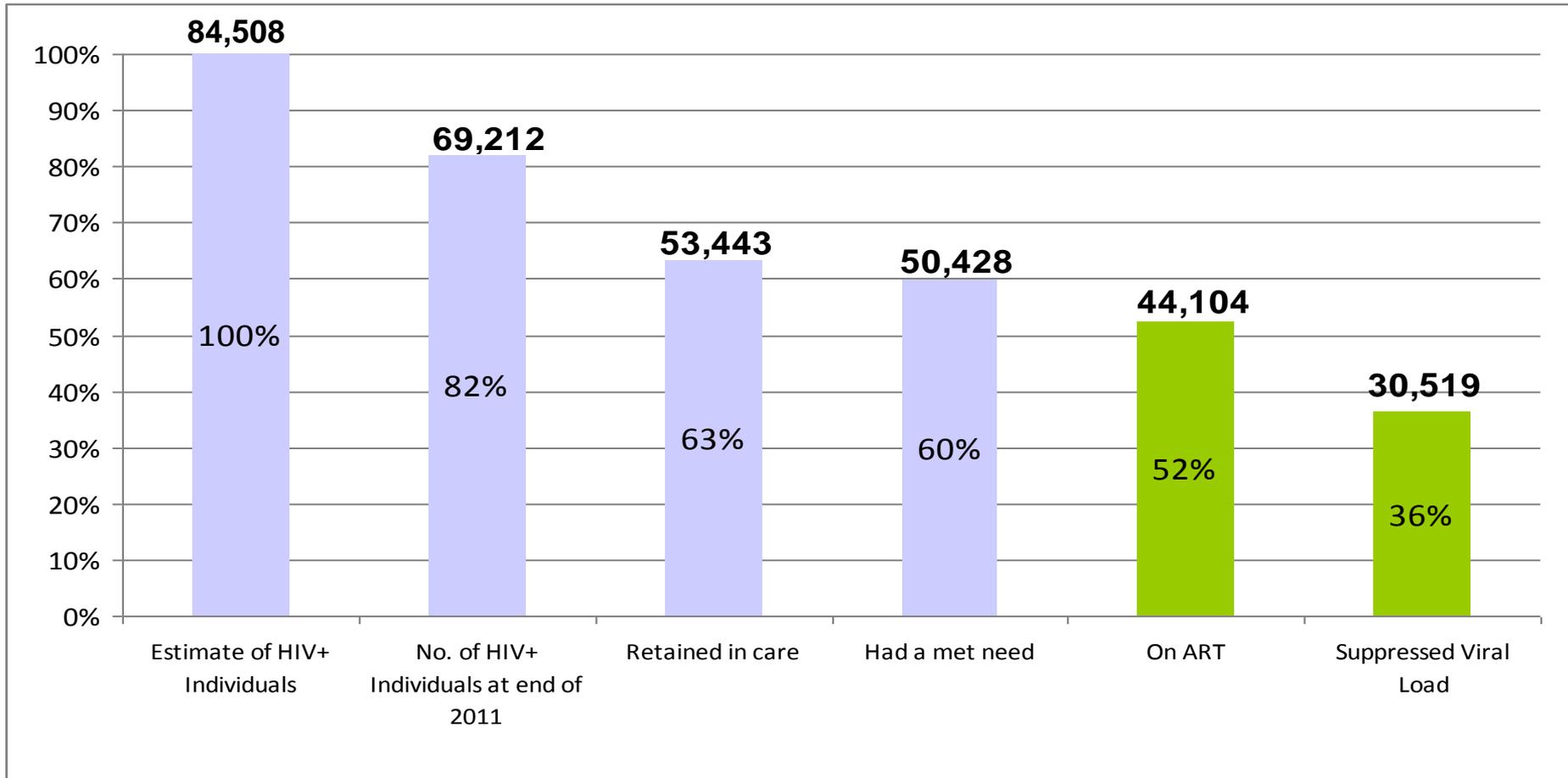
Source: Medical Monitoring Project Un-weighted Medical Chart Data 2009-2012

Dallas/Fort Worth Co-morbidities in Past 12 Months

N=615

Condition	Number and Percentage With Condition
Hypertension	154 (25%)
Depression	124 (20%)
Anxiety Disorder	65 (11%)
Hepatitis (type not specified)	61 (10%)
Gastroesophageal Reflux Disease (GERD)	52 (9%)

Texas MMP Treatment Cascade



Sources: Texas HIV Care Services Branch Unmet Need Project
Texas MMP Weighted 2009 Medical Chart Abstraction Dataset
Houston MMP Weighted 2009 Medical Chart Abstraction Dataset

MMP Caveats/Limitations

- Potential for recall bias and social desirability bias in interview data
- Potential for non-response bias in interview data
- Data have been combined across years and are not weighted
- Some Texas MMP data does not include Harris County

Acknowledgments

Texas MMP Team

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Jonathon Poe, MSW, Co Principal Investigator

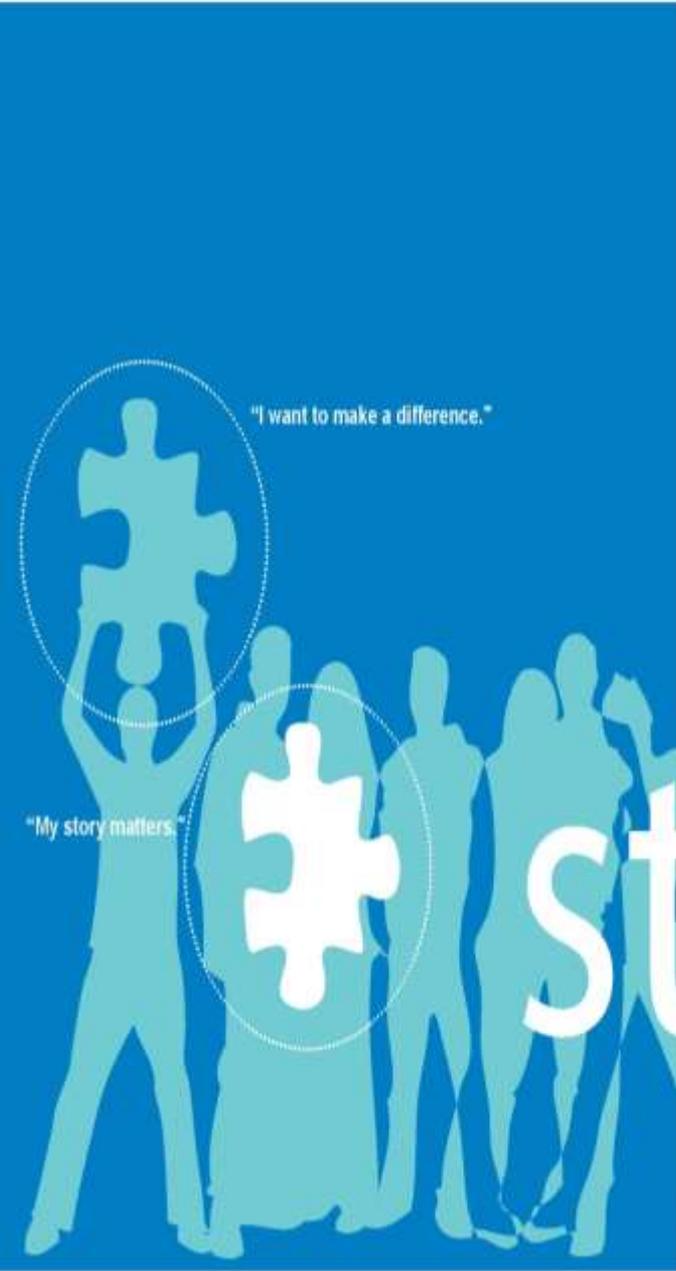
Websites

CDC Website: <http://www.cdc.gov/hiv/topics/treatment/mmp/index.htm>
TX MMP Website : http://www.dshs.state.tx.us/hivstd/eps_mmp/MMP.shtm

Contact Information

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"I want to make a difference."

"My story matters."



"I want to share my experience."



stand up

and make a difference.

Acknowledgements

2009-2012 Dallas/Fort Worth Participating Facilities

AIDS Arms Peabody Clinic

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North Texas Infectious Disease Consultants

Parkland COPC

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