



# Assessing Need for Health Care Services Among HIV-Positive Persons in Michigan:



Data from the FY 2007 Title II Ryan  
White Care Act Grant Application



Melissa Reznar, MPH  
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# Topics

- Background of the RWCA
- RWCA in Michigan
- Methodology
- Results
- National Data
- HAPIS Future Plans





# Funding for HIV Care

- HIV care is expensive
- Populations most affected by HIV cannot afford care
- Gaps in health care affordability
  - CDC estimates that 34% are not in regular care
  - Of those in care, 20% uninsured and 50% are on Medicaid and/or Medicare





# Ryan White CARE Act (RWCA)

- Federal legislation enacted by Congress in 1990
- Provides care to low-income, underinsured, and uninsured
- Has grown to \$2.1b and >500,000 individuals and families
- Reauthorized and amended in 1996, 2000, and 2006





# CARE Act Titles

<b>Title I</b>	<b>Eligible Metropolitan Areas</b> (>2,000 AIDS cases and >500k population)	<ul style="list-style-type: none"><li>• \$611.6 m (30% RWCA)</li><li>• Funds 20 EMAs and 36 TGAs</li></ul>
<b>Title II</b>	<b>States and Territories</b>	<ul style="list-style-type: none"><li>• \$1,134.6 m (55% RWCA)</li><li>• Funds 59 states/territories</li><li>• Includes ADAP (70% Title II)</li></ul>
<b>Title III</b>	<b>Public &amp; private organizations</b> – EIS/Capacity&Planning	<ul style="list-style-type: none"><li>• \$196.1 m (10% RWCA)</li><li>• 364 EIS, 35 Capacity/Planning</li></ul>
<b>Title IV</b>	<b>Public &amp; private organizations</b> – Children, youth, women	<ul style="list-style-type: none"><li>• \$72.7 m (4% RWCA)</li><li>• 94 Grantees</li></ul>
<b>Title VI</b>	<b>Special Programs</b>	<ul style="list-style-type: none"><li>• \$47.8 m (3% RWCA)</li><li>• SPNS, AETC, Dental, MAI</li></ul>



# RWCA in MI

- Detroit EMA: \$ 8.4 m Title I in FY2006
- Michigan: \$15.9 m Title II in FY2006
  - \$11.4 m of this is the ADAP Earmark for HIV pharmaceuticals
  - In 2006, \$20 m for HIV pharmaceuticals, \$11.4 m plus ~ \$8 m in manufacturer rebates AND \$1 m in unspent dollars from 04-05
  - ADAP has highest utilization in history with over 2,100 current members





# RWCA Shift in Focus

## **OLD PURPOSE:**

“To provide emergency assistance to localities that are disproportionately affected by the HIV epidemic...”

## **NEW PURPOSE:**

“To address the **unmet care and treatment needs** of persons living with HIV/AIDS by funding primary health care and support services that enhance access to and retention in care.”





# What is Unmet Need?

## Unmet Need

Estimated number of persons living with

- 1) HIV-non AIDS/aware and
- 2) AIDS

who did not receive **HIV primary care** during a 12-month time period

## HIV Primary Care

- HIV Viral Load (VL)
- CD4 count/percent
- Anti-Retroviral Therapy (ART)



# Unmet Need Data Sources

	Jurisdiction 1	Jurisdiction 2	Jurisdiction 3	Jurisdiction 4
<b>Population Sizes</b>				
PLWA	HARS	HARS	HARS	HARS
PLWH, non-AIDS	CDC midpoint estimate	Estimates based on local modeling	HARS (HIV-reporting State)	HARS (HIV-reporting State)
<b>Care Patterns</b>				
% AIDS in care	Chart review of all PLWA (or representative sample)	Linked claims databases + private care	Demonstration of viral load, CD4, or ART in ASD	CD4/viral load reporting in HARS
% HIV, non-AIDS in care	AIDS progression study	Linked claims databases + private care	Demonstration of viral load, CD4, or ART in ASD	CD4/viral load reporting in HARS



# Unmet Need Methodology in MI

- HIV Surveillance data in MI
  - AIDS notifiable since 1983
  - Name-based HIV notifiable since 1989
  - PA 514 passed in December 2004
  - Transition from HARS to eHARS in July 2006
- Unmet Need Data Sources in MI
  - eHARS for denominator (PLWH/A in MI)
  - ACCESS database of laboratory data for care measurements





# Unmet Need Methodology in MI

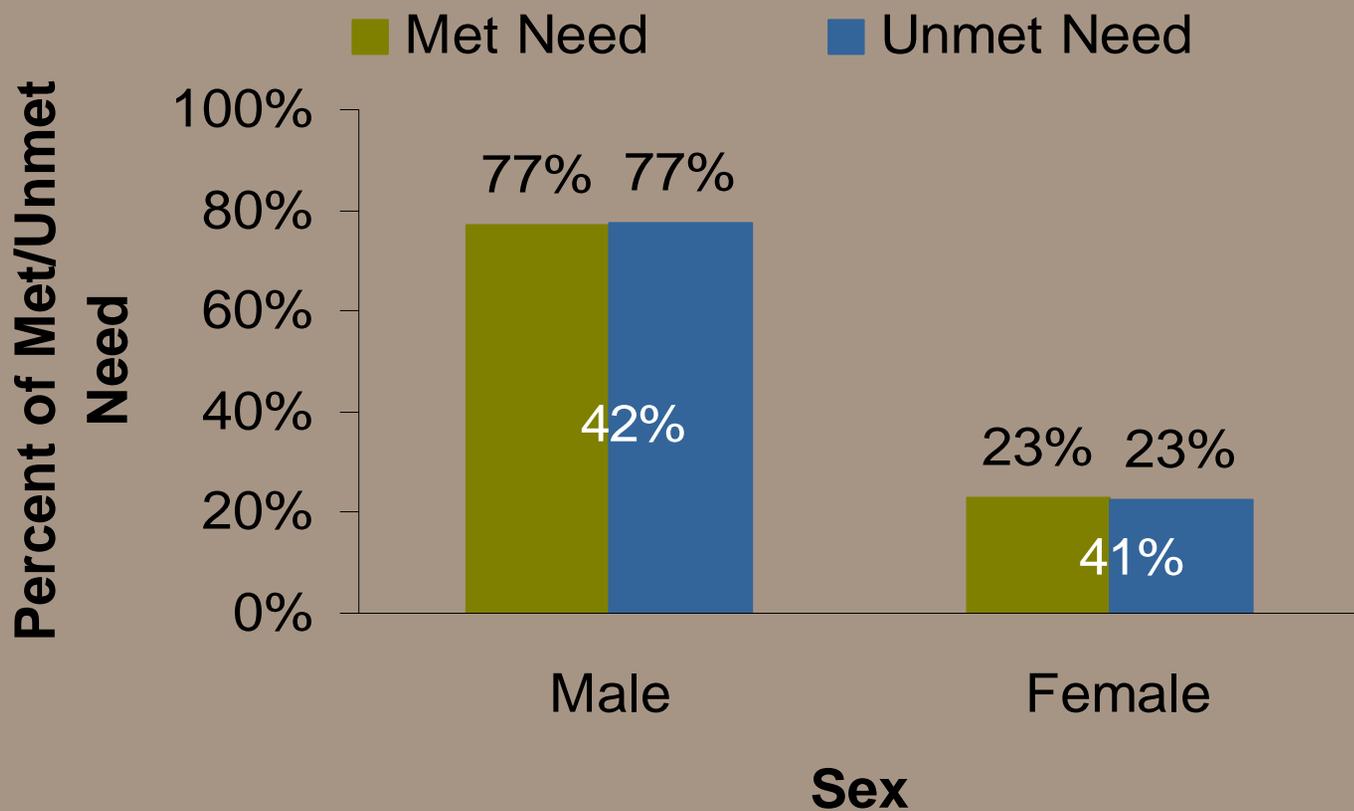
- HIV Primary Care
  - Defined as receipt of VL or CD4 test between Oct 1, 2005 and Sep 30, 2006
- Population
  - All persons with HIV or AIDS currently living in MI
  - Diagnosed before Oct 1, 2005



# Results: UN Framework in MI

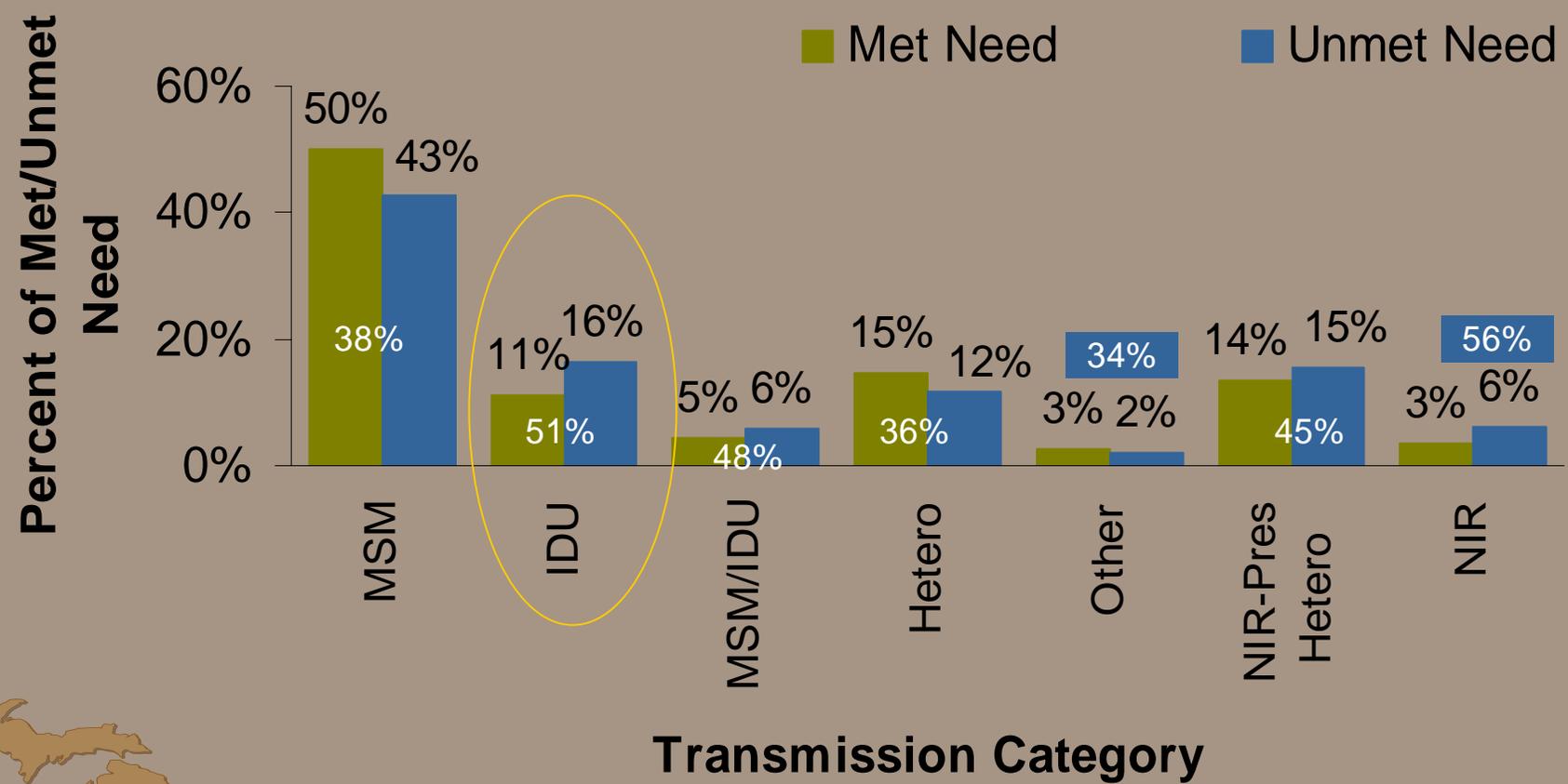
Column 1	Column 2	Column 3	Column 4
<b>Population Sizes</b>		<b>Value</b>	
<b>Row A.</b>	PLWA	6,883	
<b>Row B.</b>	PLWH, non-AIDS	5,741	
<b>Row C.</b>	Total PLWH/A	12,624	
<b>Care Patterns</b>		<b>Value</b>	
<b>Row D.</b>	PLWA in care	4,558	
<b>Row E.</b>	PLWH, non-AIDS in care	2,793	
<b>Row F.</b>	PLWH/A in care	7,351	
<b>Calculated Results</b>		<b>Value</b>	<b>Percent</b>
<b>Row G.</b>	Unmet Need in PLWA	2,325	34%
<b>Row H.</b>	Unmet Need in PLWH	2,948	51%
<b>Row I.</b>	Unmet Need among all PLWH/A	5,273	42%

# Results: UN by Sex

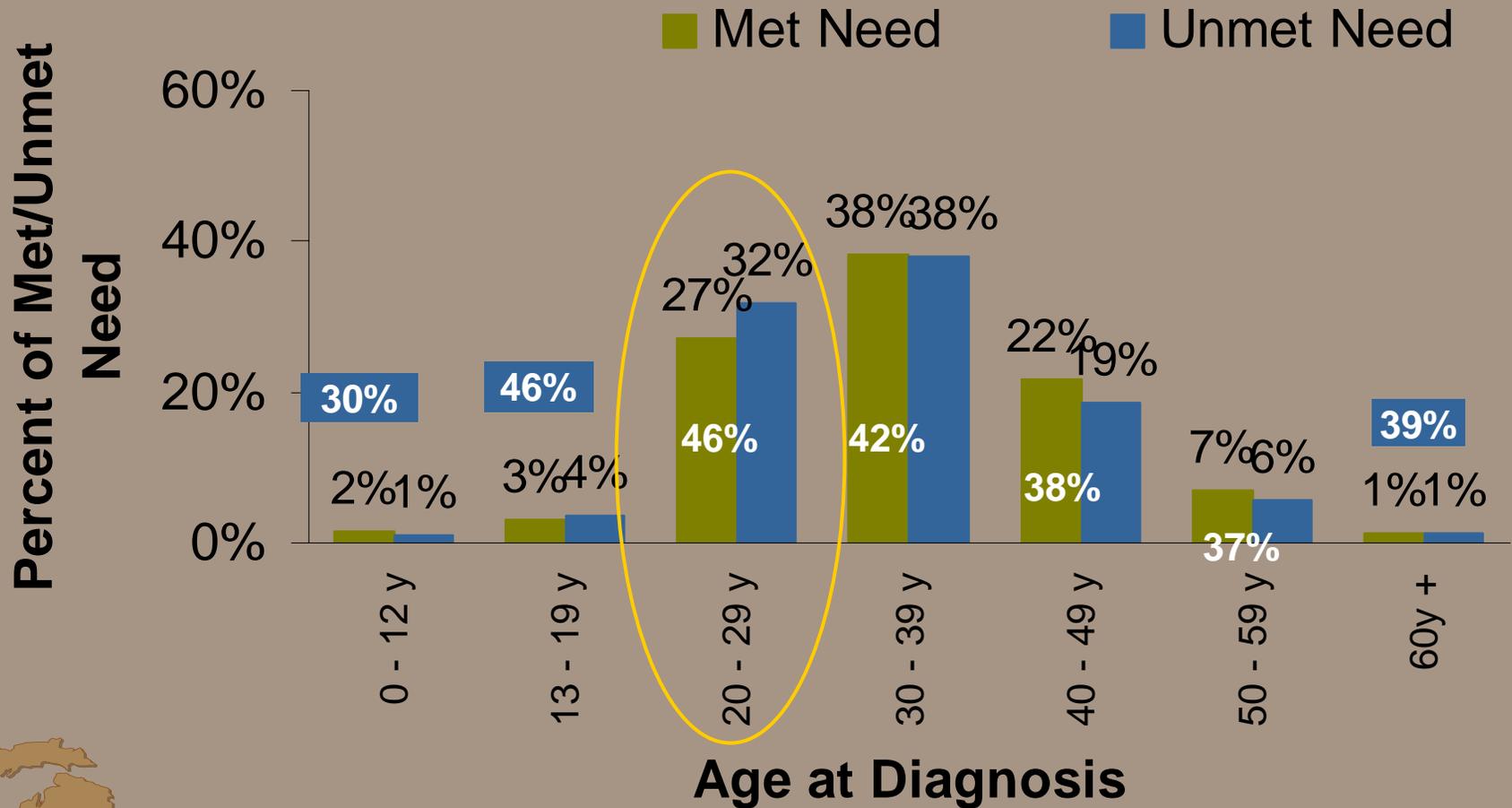




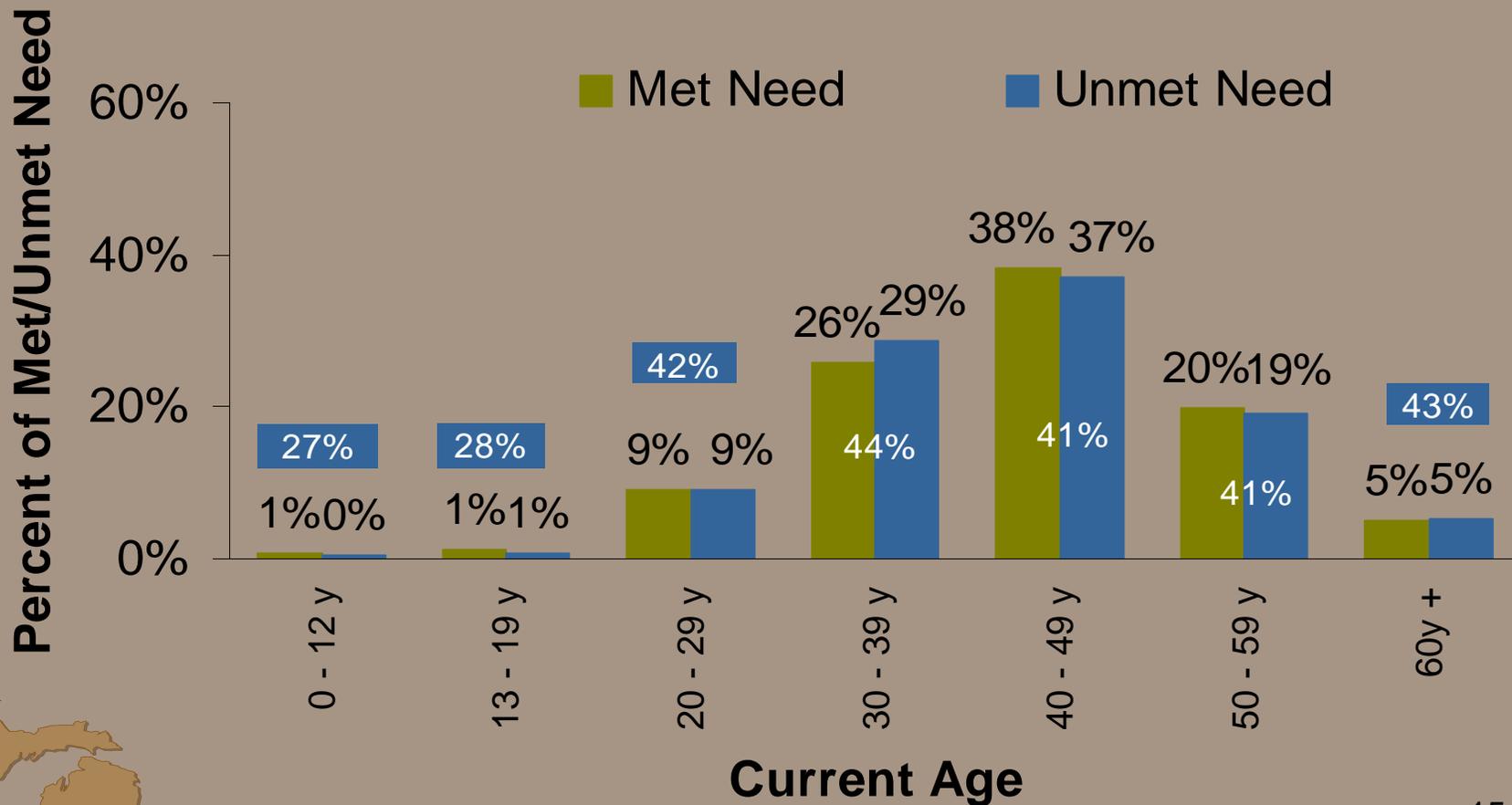
# Results: UN by Mode of Transmission



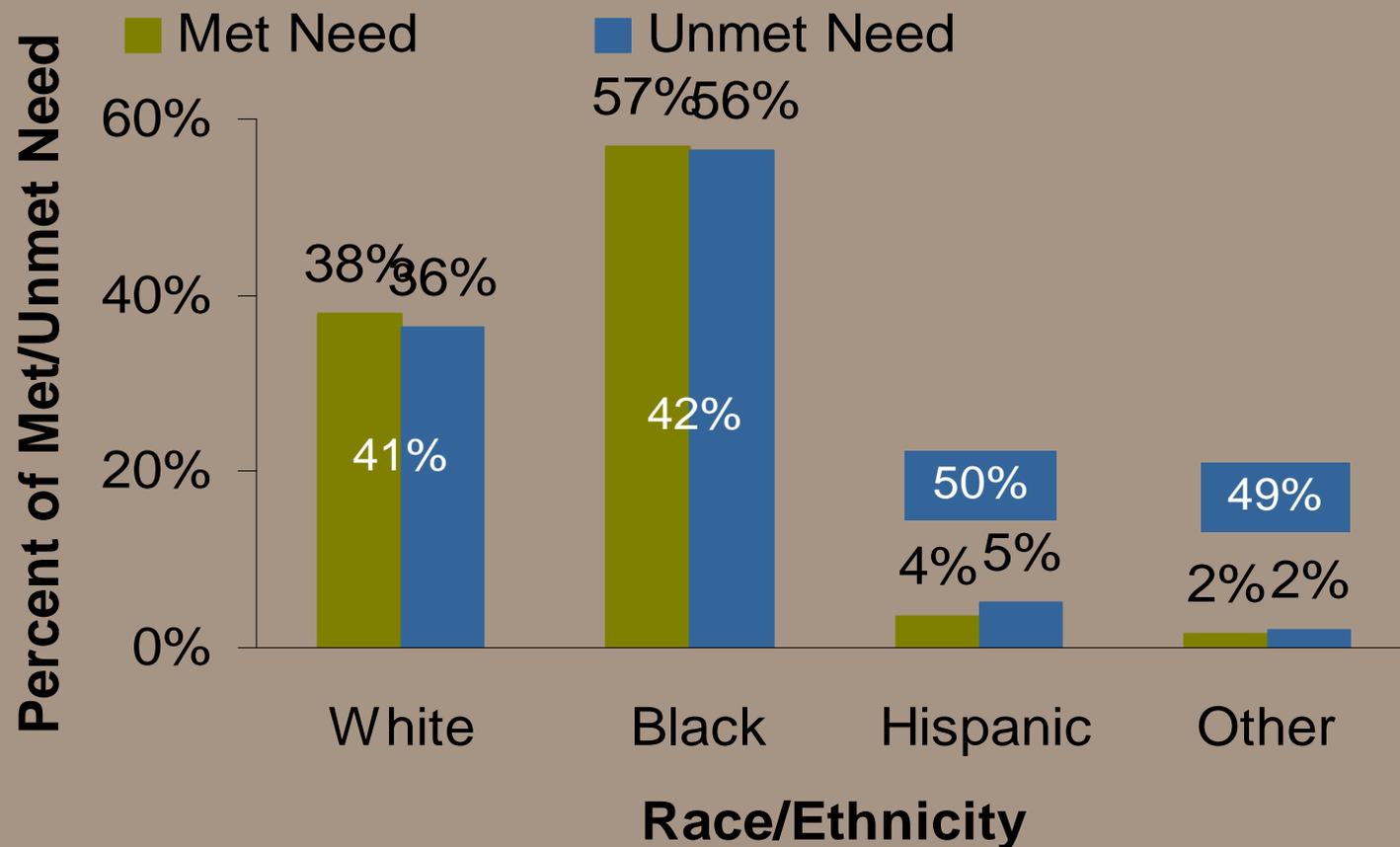
# Results: UN by Age at Diagnosis



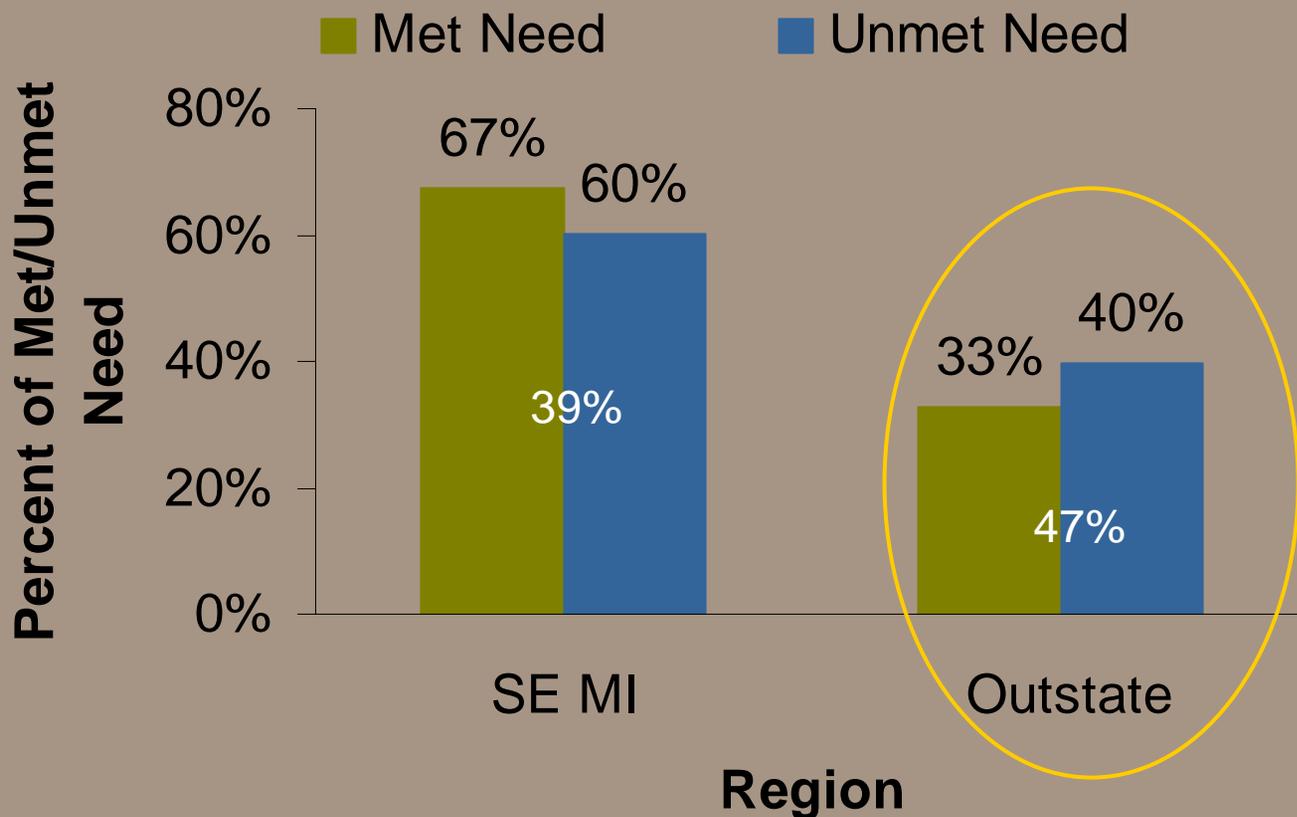
# Results: UN by Current Age



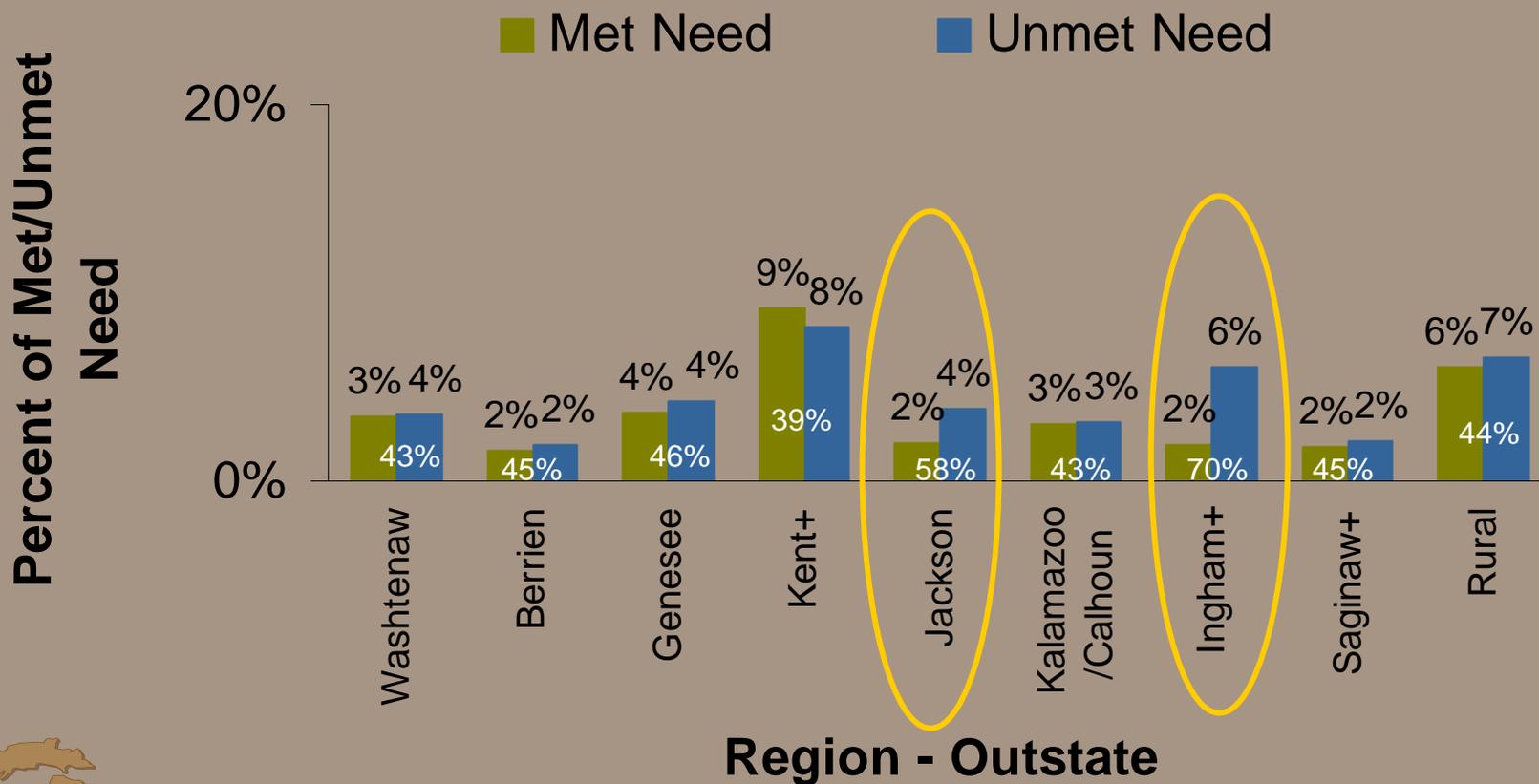
# Results: UN by Race/Ethnicity



# Results: UN by Region



# Results: UN by Region





# Limitations

- Laboratory reporting in MI is new
- Out of state migration
- Deaths
- Potential for incorrect matching or non-matching
- No ability to include receipt of ART



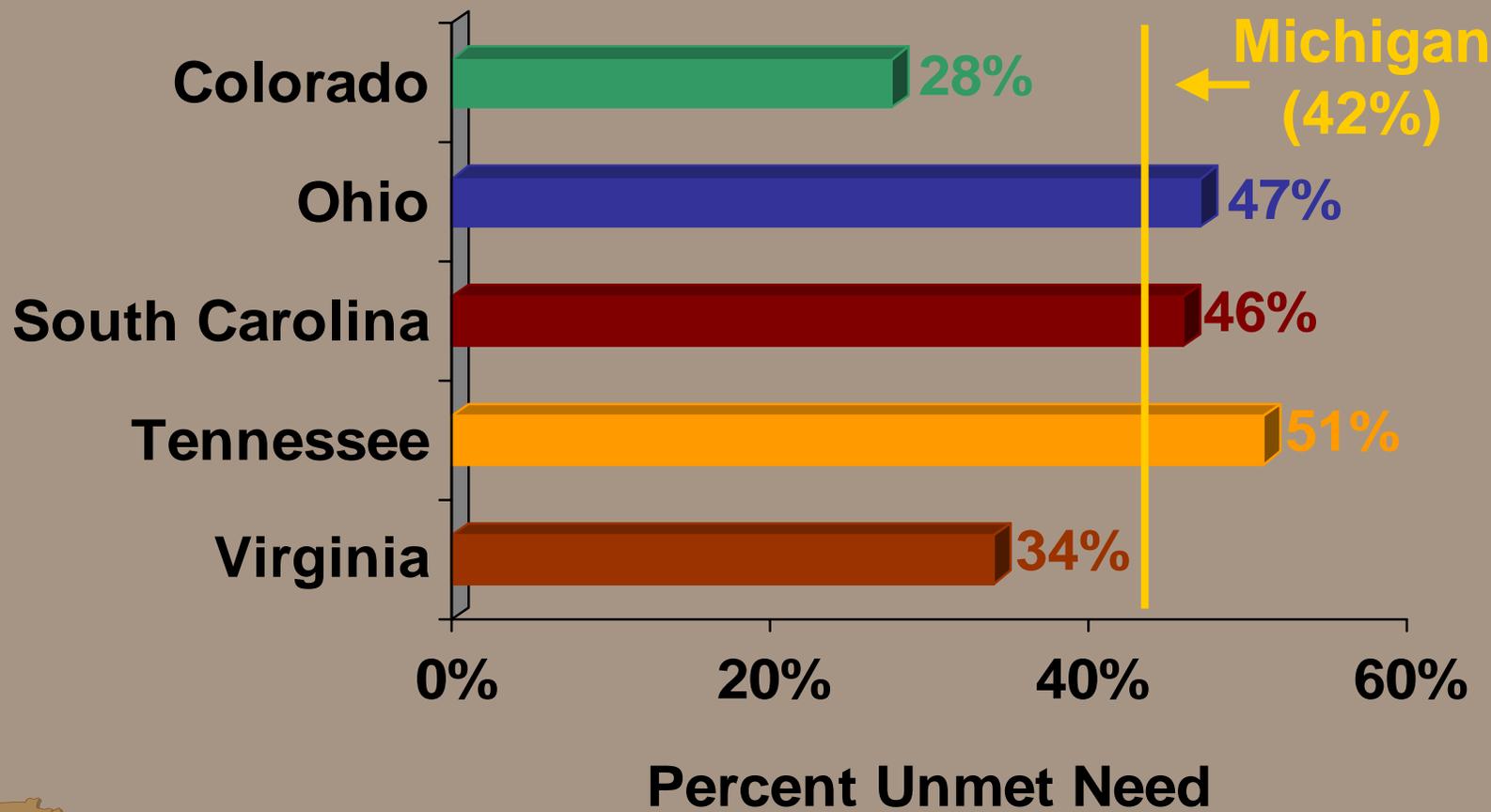
# National Data – FY2006

Unmet Need Estimates	Title I	Title II
<b>Range of unmet need estimates</b>		
HIV and AIDS	16% - 71%	9% - 87%
HIV/non-AIDS-aware	12% - 80%	14% - 85%
AIDS	9% - 60%	0% - 75%
<b>Median estimate of unmet need:</b>		
HIV and AIDS	36%	43%
HIV/non-AIDS-aware	42%	52%
AIDS	29%	38%
<b>Aggregate estimate of unmet need</b>		
HIV and AIDS	37% (220,666)	43% (325,228)
HIV/non-AIDS-aware	47% (135,475)	52% (185,706)
AIDS	27% (79,934)	33% (128,354)





# National Data





# Summary

- Overall unmet need in MI FY2007
  - 34% AIDS
  - 51% HIV, non-AIDS
  - 42% HIV and AIDS
- Unmet need highest among
  - IDU
  - Persons 20 - 29 years at diagnosis
  - Outstate MI (esp. Lansing MSA and Jackson Co.)
- National comparisons problematic, but MI falls in line with median estimates





# HAPIS – Future Plans

- Work with surveillance to continue to isolate particular areas where unmet need is higher
- Compare data with that of other states
- Identify strategies used in other states to reduce unmet need
- Use unmet need data to specifically implement care program indicators across all titles of the CARE Act in Michigan
- Implement specific identified strategies in targeted areas and assess outcomes





# QUESTIONS?



Melissa Reznar, MPH

(313) 876-4768

ReznarM@michigan.gov

