

# Cuyahoga County Behavioral Health Needs Assessment

Prepared by

The Center for Community Solutions

February 4, 2011



# Needs Assessment Objectives

- Generate most current available demographic data available for the six comparison counties of Franklin, Hamilton, Lorain, Lucas, Montgomery, and Summit.
- Compare Cuyahoga to other counties for general demographics, and for specific comparative risk factors.
- Using the Cuyahoga demographic data and national prevalence data, calculate local Cuyahoga prevalence rates for mental disorders and alcohol and other drug (AOD) disorders.
- Using Board MACSIS claims data and Behavioral Health (BH Mod) data, compare local prevalence rates to local service rates to establish unmet needs.

# Demographic / Risk Factor Comparison Summary

# Demographic Comparison Summary

## **Compared to the average of comparison counties and cities:**

- Cuyahoga had a higher proportion of African Americans and Hispanics.
- Cuyahoga had higher poverty rates for both children and seniors, and Cleveland had higher poverty rates for all age groups.
- A higher proportion of Cuyahoga and Cleveland families with children were headed by a single female.

## Demographic Comparison Summary (continued)

### **Compared to the average of comparison counties and cities:**

- Although Cuyahoga had a similar proportion of adults with a college degree, Cleveland had a lower proportion than the comparison city average. Cleveland also had the lowest high school graduation rate among comparison cities.
- A higher proportion of Cuyahoga and Cleveland adults were not in the labor force, and both the county and city had higher unemployment rates among those who were in the labor force.

## Demographic Comparison Summary (continued)

### **Compared to the average of comparison counties:**

- Cuyahoga had a higher infant mortality rate and a higher percentage of low-weight births (under 5.5 lbs.), but a lower suicide rate.

# Estimated Prevalence of Mental Disorders

Cuyahoga County,

2006-08 Average

# Sources of National Prevalence Rates of Mental Disorders

- Adults: National Institute of Mental Health –  
*The Numbers Count: Mental Disorders in America (2010)*
  - National Comorbidity Survey Replication
  - Epidemiological Catchment Survey
- Children: *Mental Health: A Report of the Surgeon General (1999)*



# Children Ages 5 to 17 Cuyahoga County

	Percent of Population	Estimated Number: All Income Levels, 2006-08 Average	Estimated Number: Below 200 Percent of Federal Poverty Level, 2006-08 Average
Anxiety Disorders	13.0%	29,538	12,170
Mood Disorders	6.2%	14,087	5,804
Disruptive Disorders	10.3%	23,403	9,643
Any Disorder	20.9%	47,488	19,566

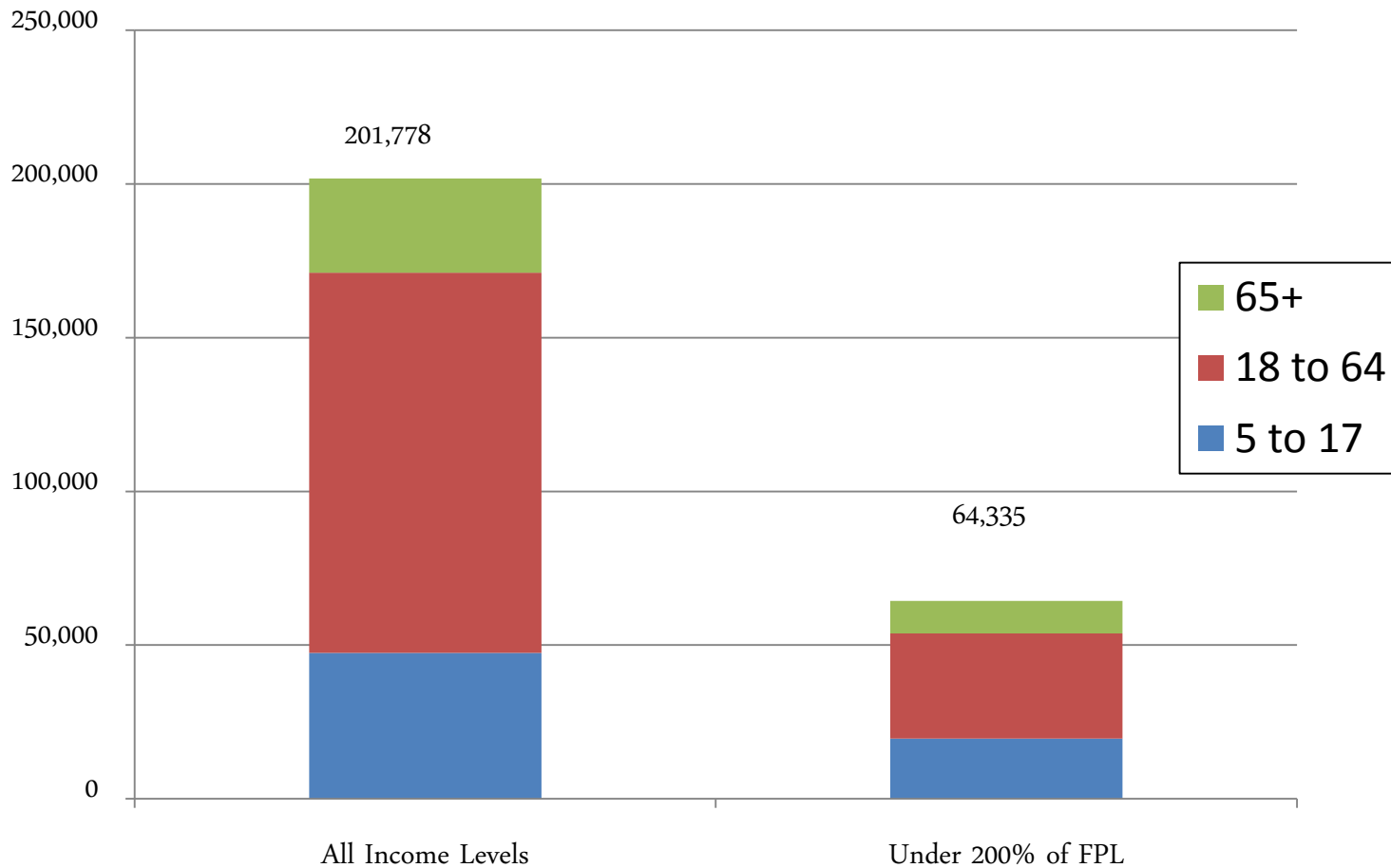
# Adults 18 to 64 Cuyahoga County

	Percent of Population	Estimated Number: All Income Levels, 2006-08 Average	Estimated Number: Below 200 Percent of Federal Poverty Level, 2006-08 Average
Mood Disorders	8.1%	63,928	17,723
Schizophrenia	1.1%	8,707	2,414
Anxiety Disorders	10.2%	80,961	22,445
Personality Disorders	9.1%	72,042	19,972
Impulse Control Disorders	7.6%	60,102	16,662
Any Disorder	15.6%	123,622	34,271

# Adults 65 and Over Cuyahoga County

	Percent of Population	Estimated Number: All Income Levels, 2006-08 Average	Estimated Number: Below 200 Percent of Federal Poverty Level, 2006-08 Average
Mood Disorders	8.1%	15,860	5,428
Schizophrenia	1.1%	2,160	739
Anxiety Disorders	10.2%	20,085	6,875
Personality Disorders	9.1%	17,873	6,117
Impulse Control Disorders	7.6%	14,910	5,104
Any Disorder	15.6%	30,669	10,497

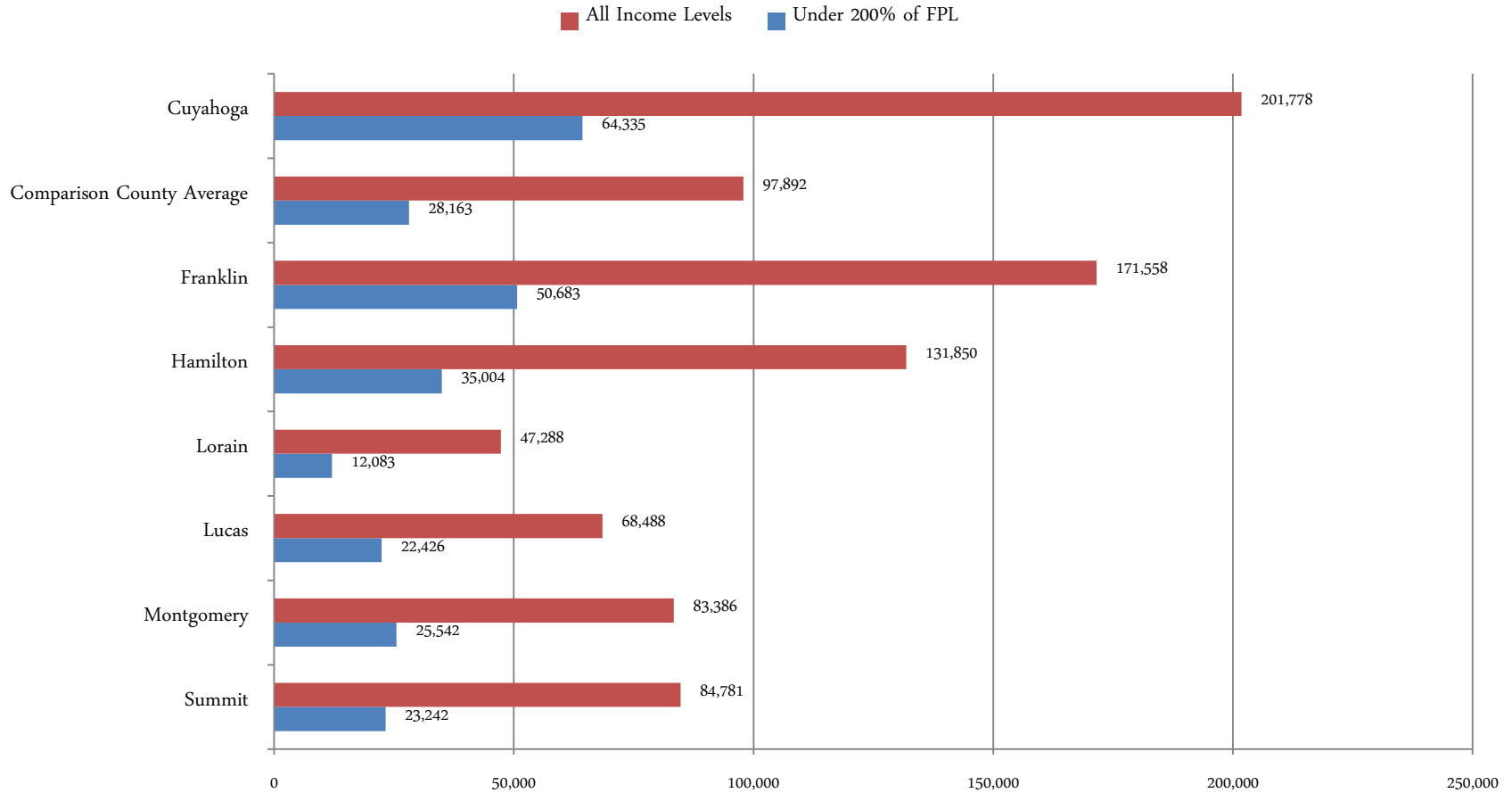
# Prevalence of Any Mental Disorder by Age and Income, Cuyahoga County



# Prevalence of Any Mental Disorder, Ages 5 and Over

## 2006-08 Average

### Cuyahoga and Comparison Counties



Estimated Prevalence of  
Alcohol or Other Drug Disorders

Cuyahoga County,

2006-08 Average

# Source of National Prevalence Rates for Alcohol and Drug Disorders

- U.S. Dept. of HHS: Substance Abuse and Mental Health Services Administration (SAMHSA):
  - *National Survey on Drug Use and Health (2009)*

# Past Year Dependence or Abuse by Income Level

## Ages 12 and Over, 2006-08 Average

### Cuyahoga County

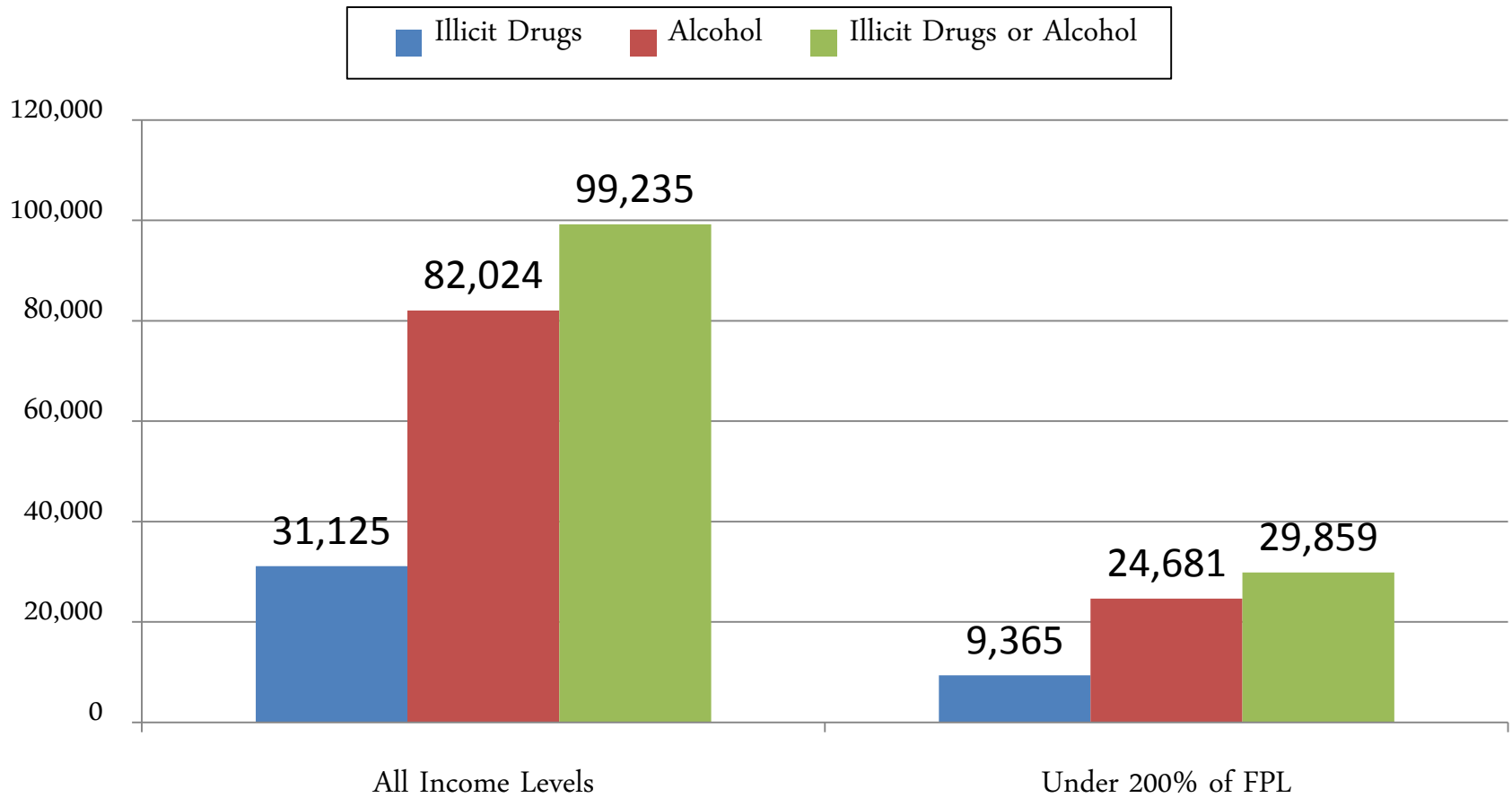
	Percent of Population	Estimated Number: All Income Levels	Estimated Number: Below 200 Percent of Federal Poverty Level
<b>ILLICIT DRUGS</b>	2.8%	31,125	9,365
Marijuana and Hashish	1.7%	8,309	5,509
Cocaine	0.6%	6,957	2,093
Heroin	0.1%	1,099	331
Hallucinogens	0.1%	1,465	441
Inhalants	0.1%	1,099	331
Nonmedical Use of Psychotherapeutics	0.9%	9,521	2,865
<b>ALCOHOL</b>	7.5%	82,024	24,681
<b>BOTH ILLICIT DRUGS AND ALCOHOL</b>	1.3%	13,915	4,187
<b>ILLICIT DRUGS OR ALCOHOL</b>	9.0%	99,235	29,859



# Past Year Dependence or Abuse by Income Level

## Ages 12 and Over, 2006-08 Average

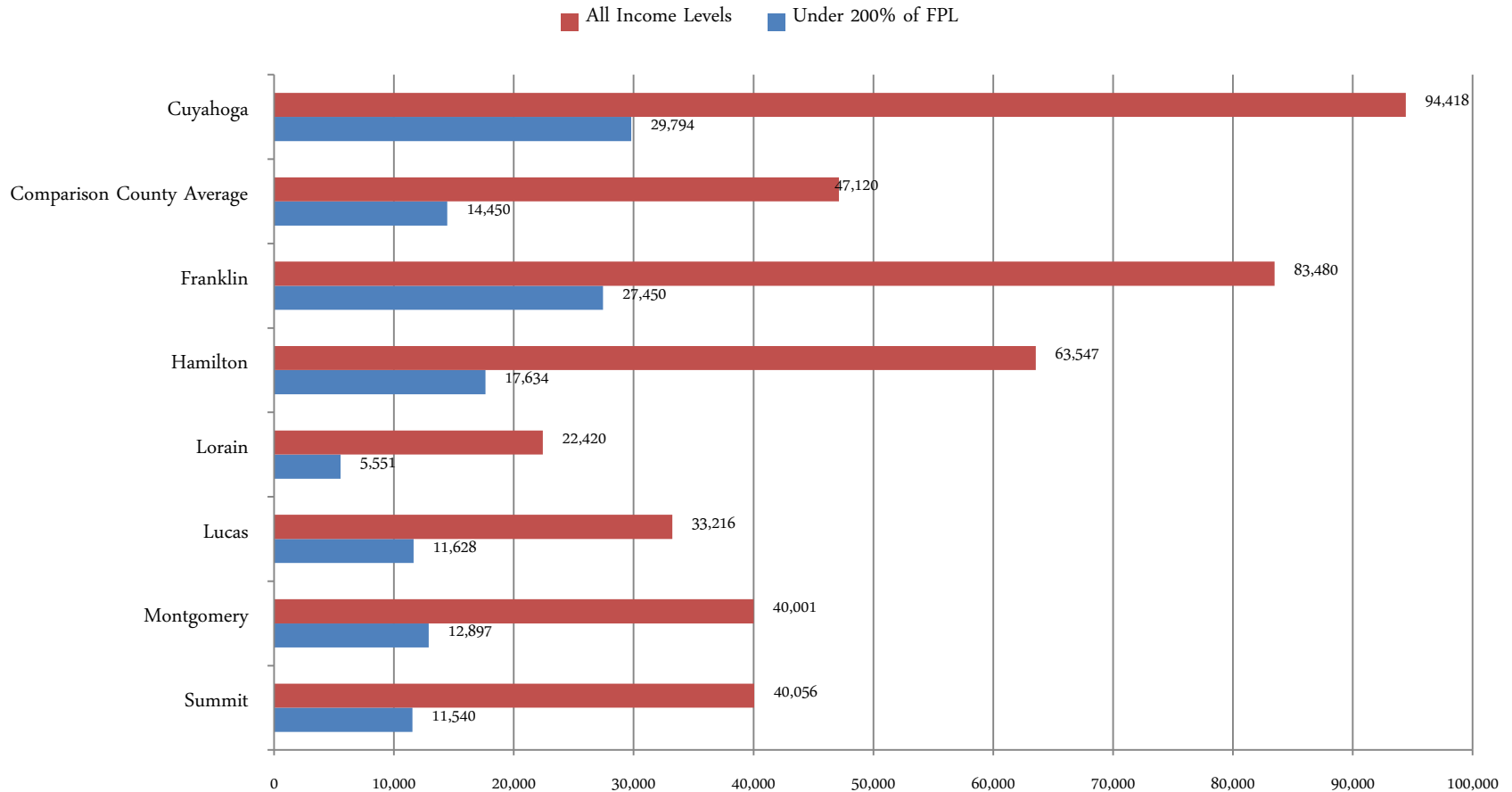
### Cuyahoga County



# Past Year Alcohol or Other Drug Dependence or Abuse

## 2006-08 Average

### Cuyahoga and Comparison Counties



# Estimated Prevalence of Co-Occurring MH and AOD Disorders

## Co-Occurring MH and AOD Disorders

2006-08 Average

- 20.4 percent of those with serious mental illness and 16.3 percent of those with moderate mental illness had a co-occurring substance abuse or dependency disorder; this yields a prevalence rate of 2.8 percent of the population over 18 who had dual disorders.
- In Cuyahoga County, an estimated 27,516 persons over 18 in the county had both moderate or serious mental disorders and a co-occurring substance disorder; an estimated 7,984 of these had incomes below 200% of poverty.

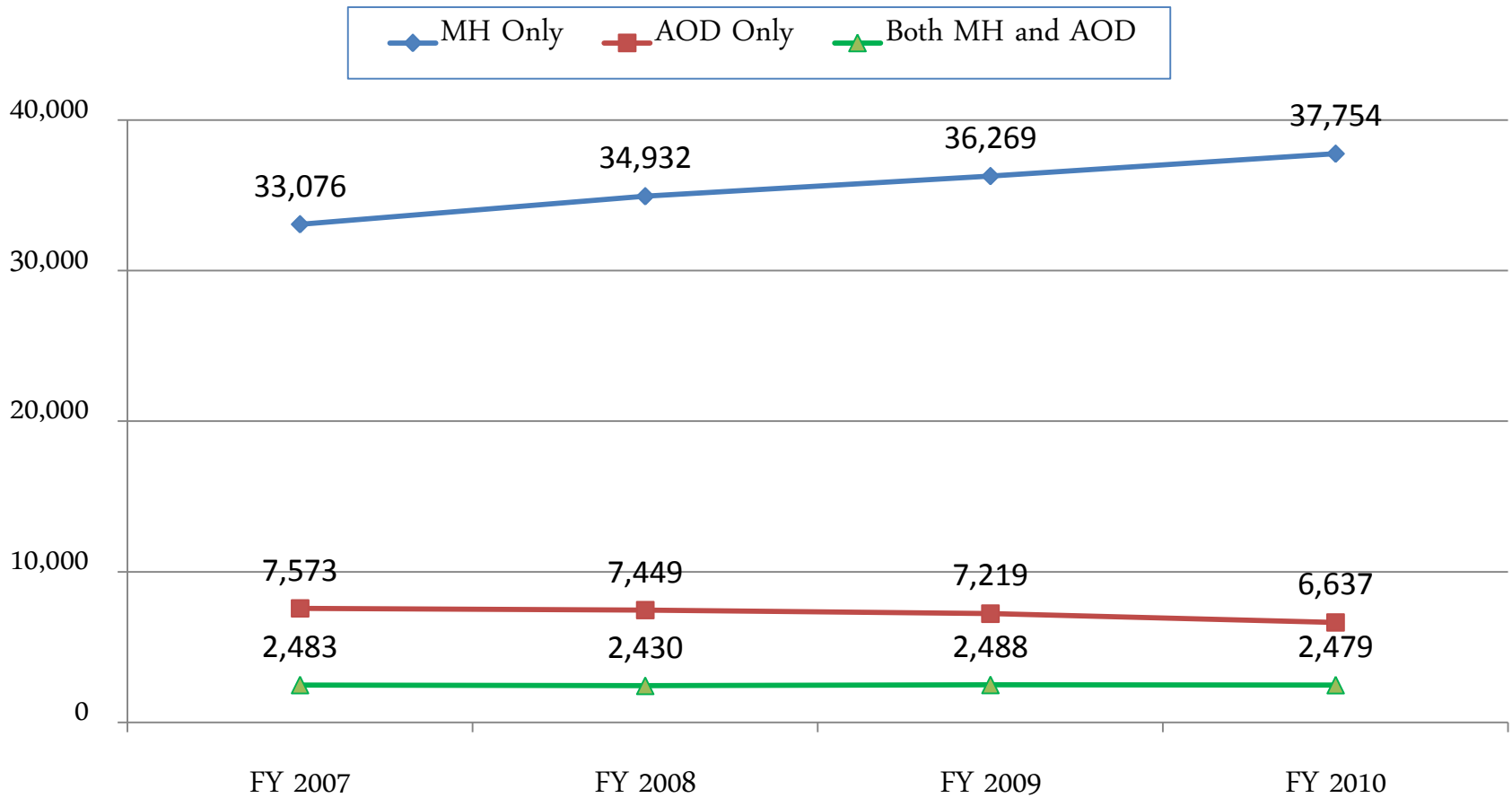
# Cuyahoga County Consumers And Estimates of Unmet Need

FY 2007 to FY 2010

# Consumers Served by Cuyahoga County MH and ADA Boards

	Mental Health Services Only	Alcohol /Drug Services Only	Both MH and AOD Services
FY 2007	33,076	7,573	2,483
FY 2008	34,932	7,449	2,430
FY 2009	36,269	7,219	2,488
FY 2010	37,754	6,637	2,479

# Consumers Served per Year

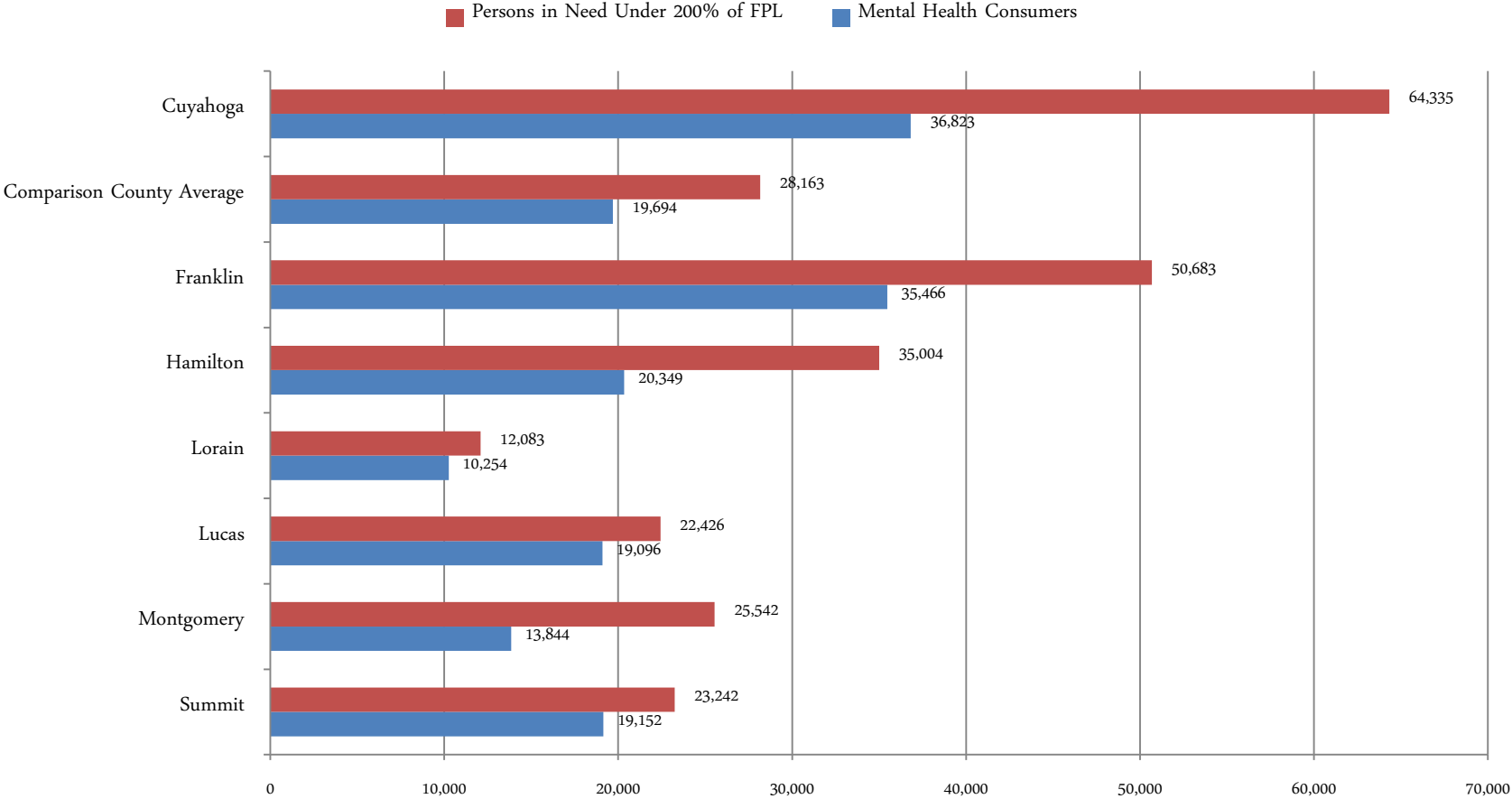


# Persons Needing Mental Health Services and Consumers Served, Cuyahoga County

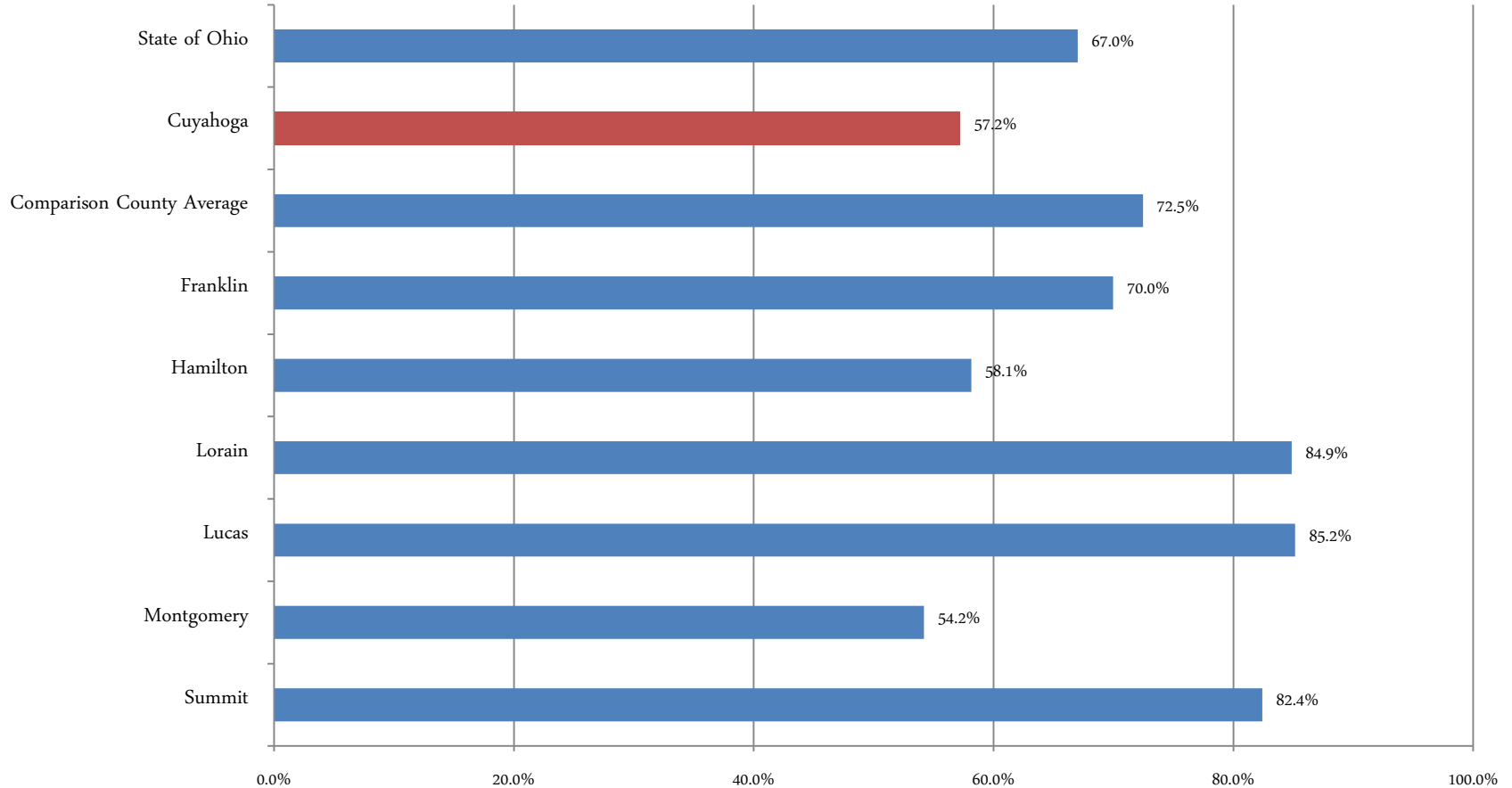
	Number in Need Under 200% of FPL 2006-08 Average	Consumers Served: FY 07 to FY 10 Average	Percent Served	Number Unserved
Ages 5 to 17	19,566	12,885	65.9%	6,682
Ages 18 to 64	34,271	22,250	64.9%	12,021
Ages 65 and Over	10,497	1,688	16.1%	8,809
All Ages	64,335	36,823	57.2%	27,512



# Persons Needing Mental Health Services and Consumers Served, 2006-08 Cuyahoga and Comparison Counties



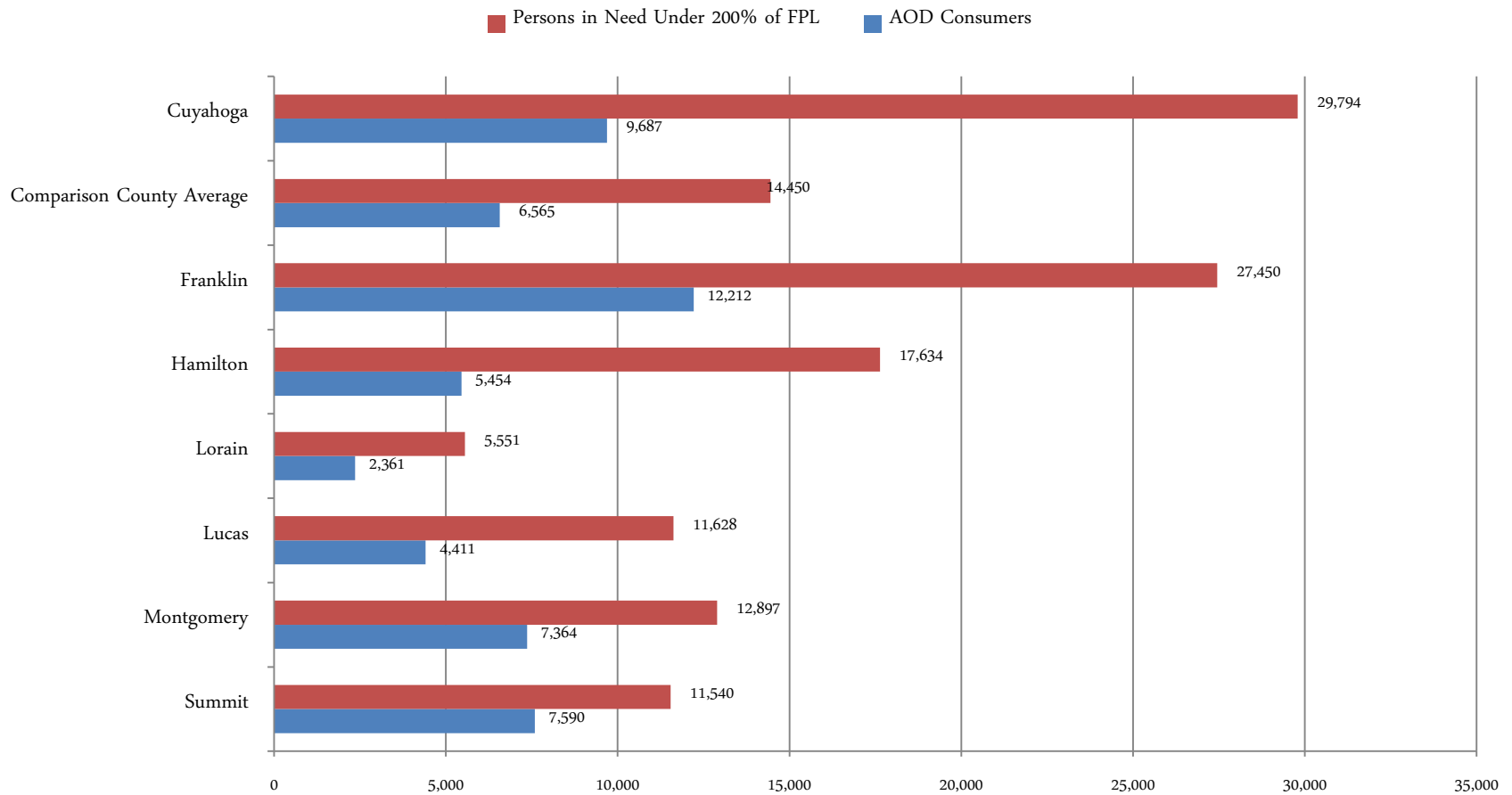
# Mental Health Consumers Served As a Percent of Persons in Need, 2006-08 Ohio, Cuyahoga and Comparison Counties



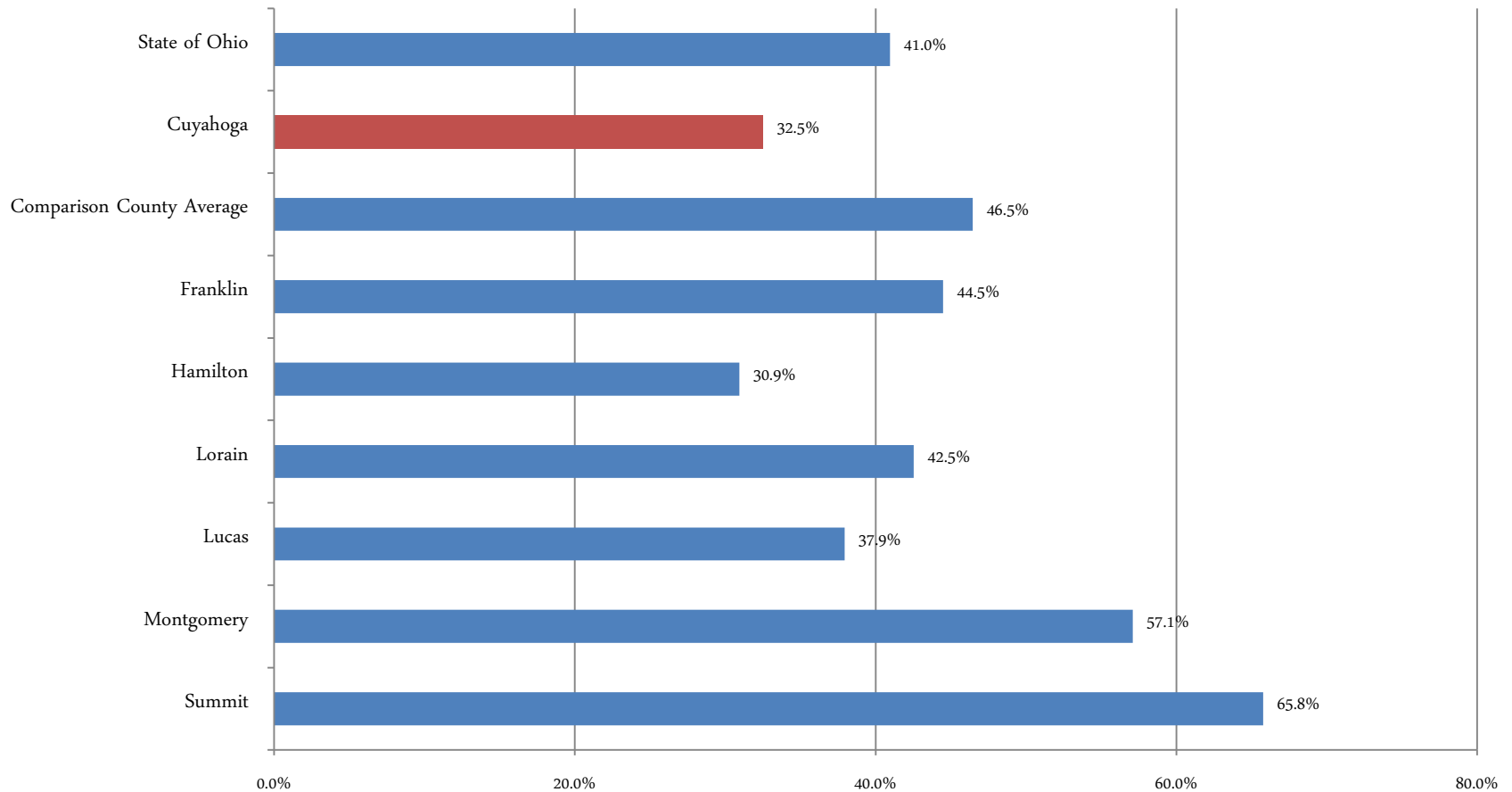
# Persons Needing Alcohol/Drug Services and Consumers Served, Cuyahoga County

	Number in Need Under 200% of FPL 2006-08 Average	Consumers Served: FY 07 to FY 10 Average	Percent Served	Number Unserved
Ages 12 to 17	3,309	777	23.5%	2,532
Ages 18 to 25	9,419	2,012	21.4%	7,407
Ages 26 and Over	16,735	6,899	41.2%	9,836
All Ages	29,859	9,687	32.4%	20,172

# Persons Needing AOD Services and Consumers Served, 2006-08 Cuyahoga and Comparison Counties



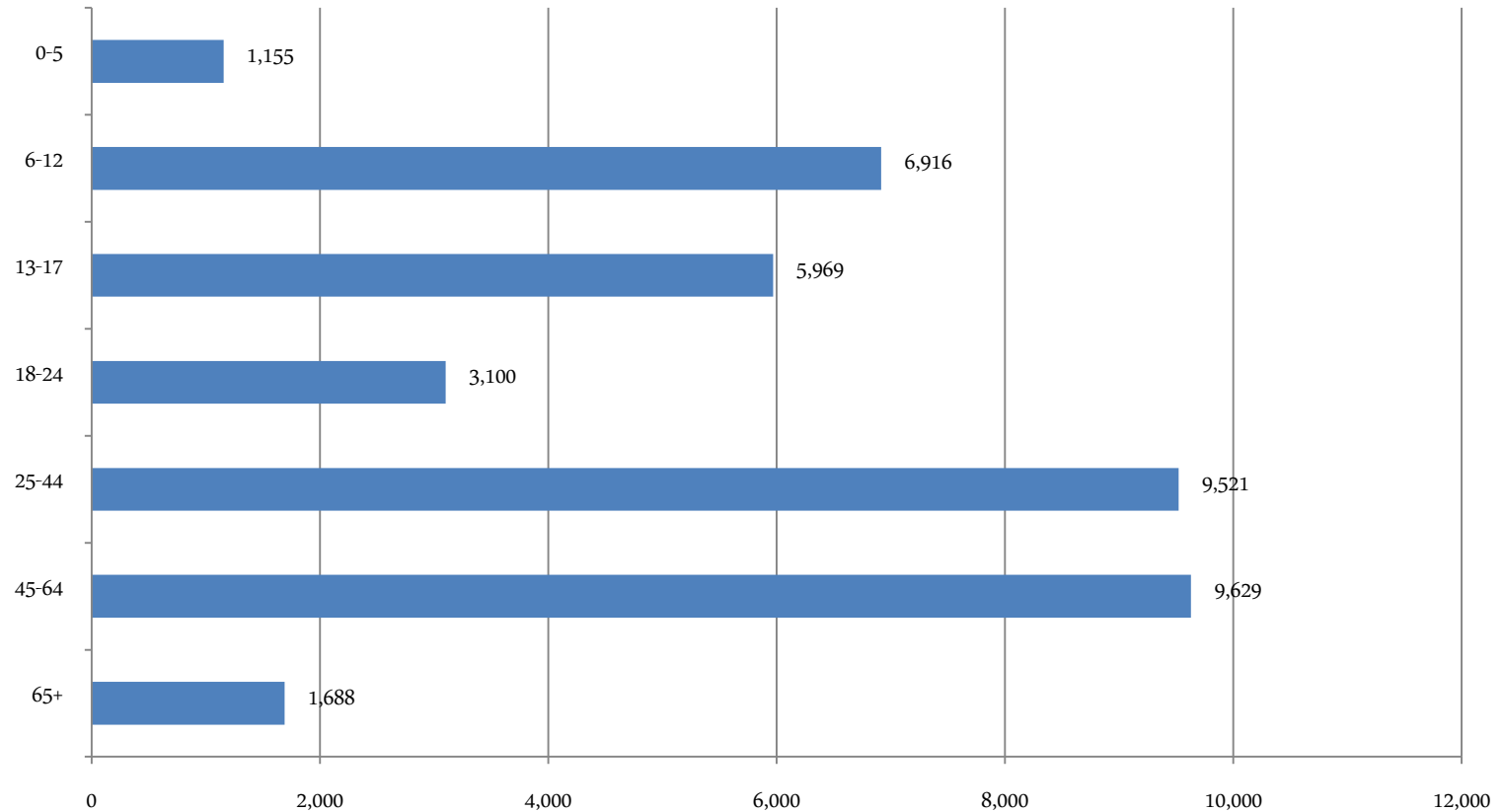
# Alcohol and Other Drug Consumers Served As a Percent of Persons in Need, 2006-08 Ohio, Cuyahoga and Comparison Counties



Demographic Profile of  
Cuyahoga County  
Mental Health Consumers

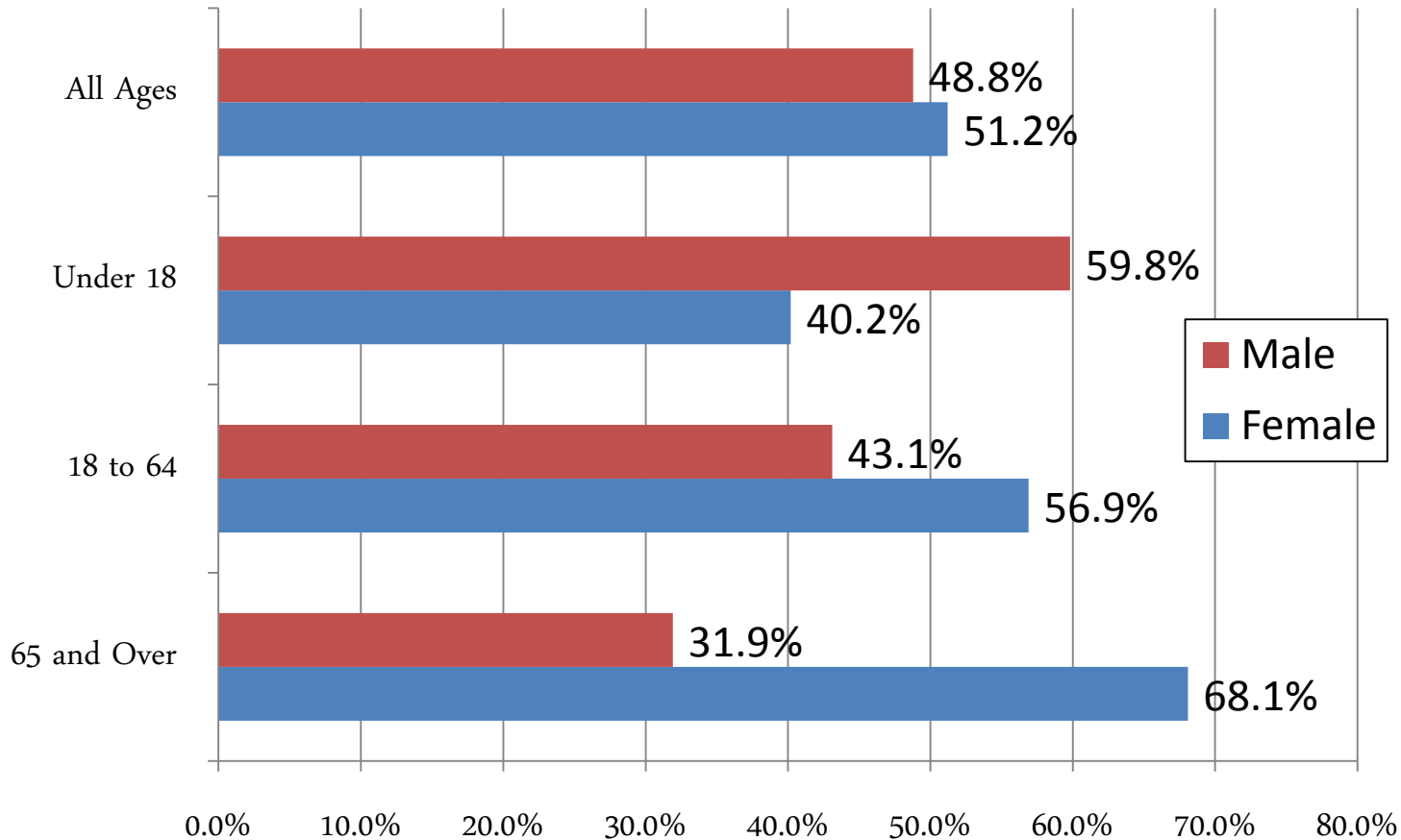
# Mental Health Consumers by Age

## FY 2007 to FY 2010 Average



# Mental Health Consumers by Gender

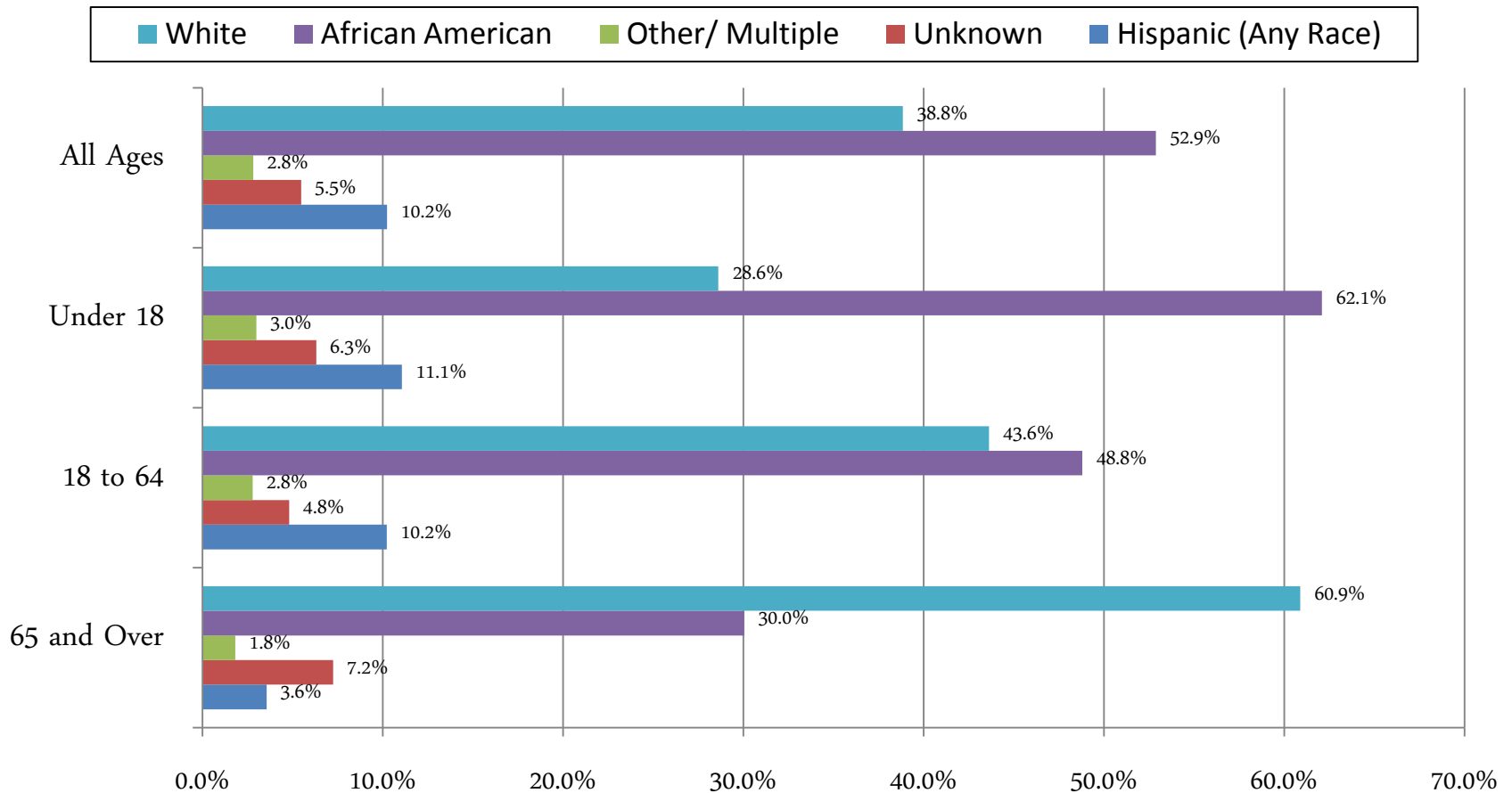
FY 2007 to FY 2010 Average





# Mental Health Consumers by Race and Ethnicity

FY 2007 to FY 2010 Average

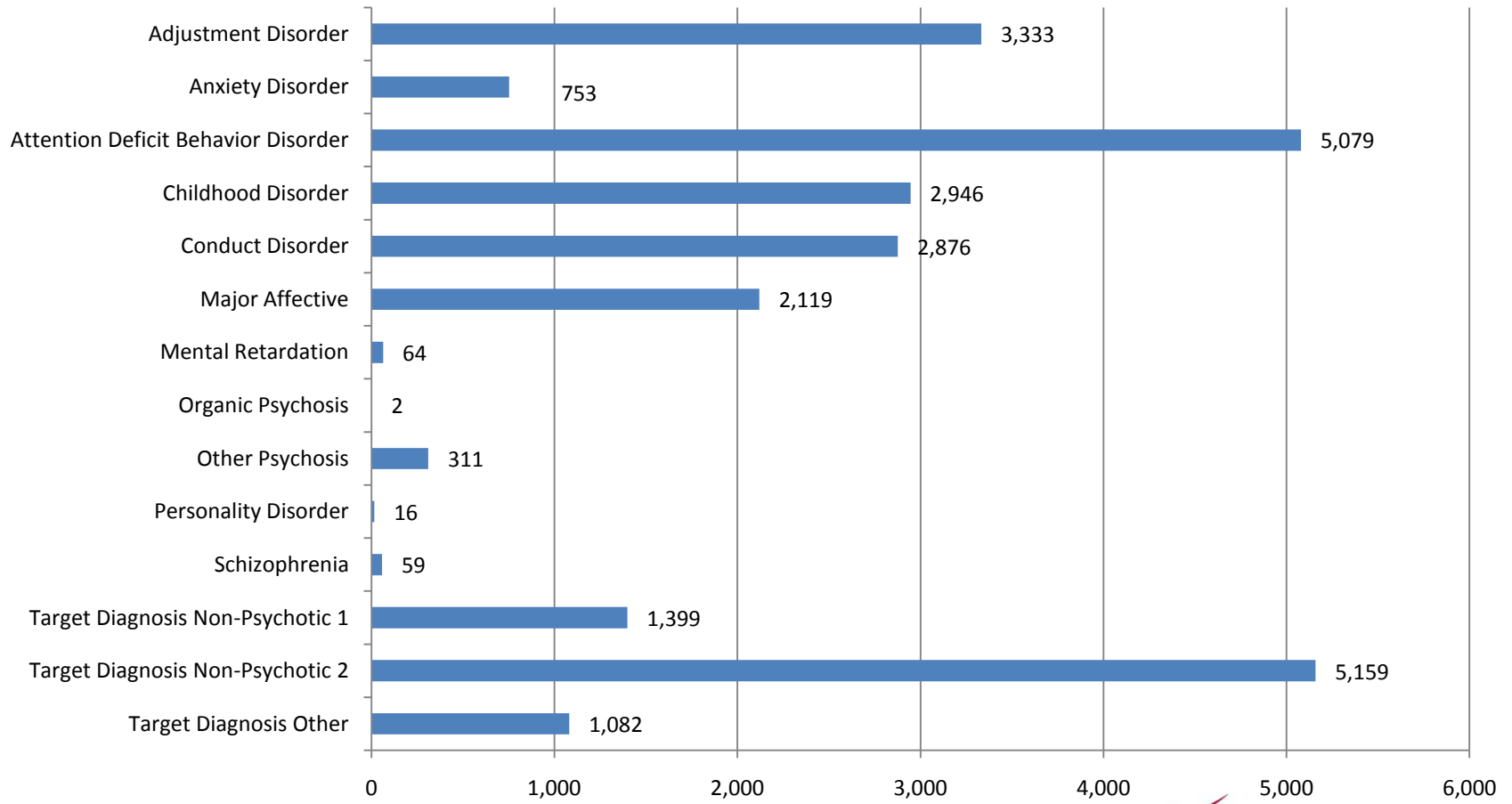


Diagnostic Profile of  
Cuyahoga County  
Mental Health Consumers

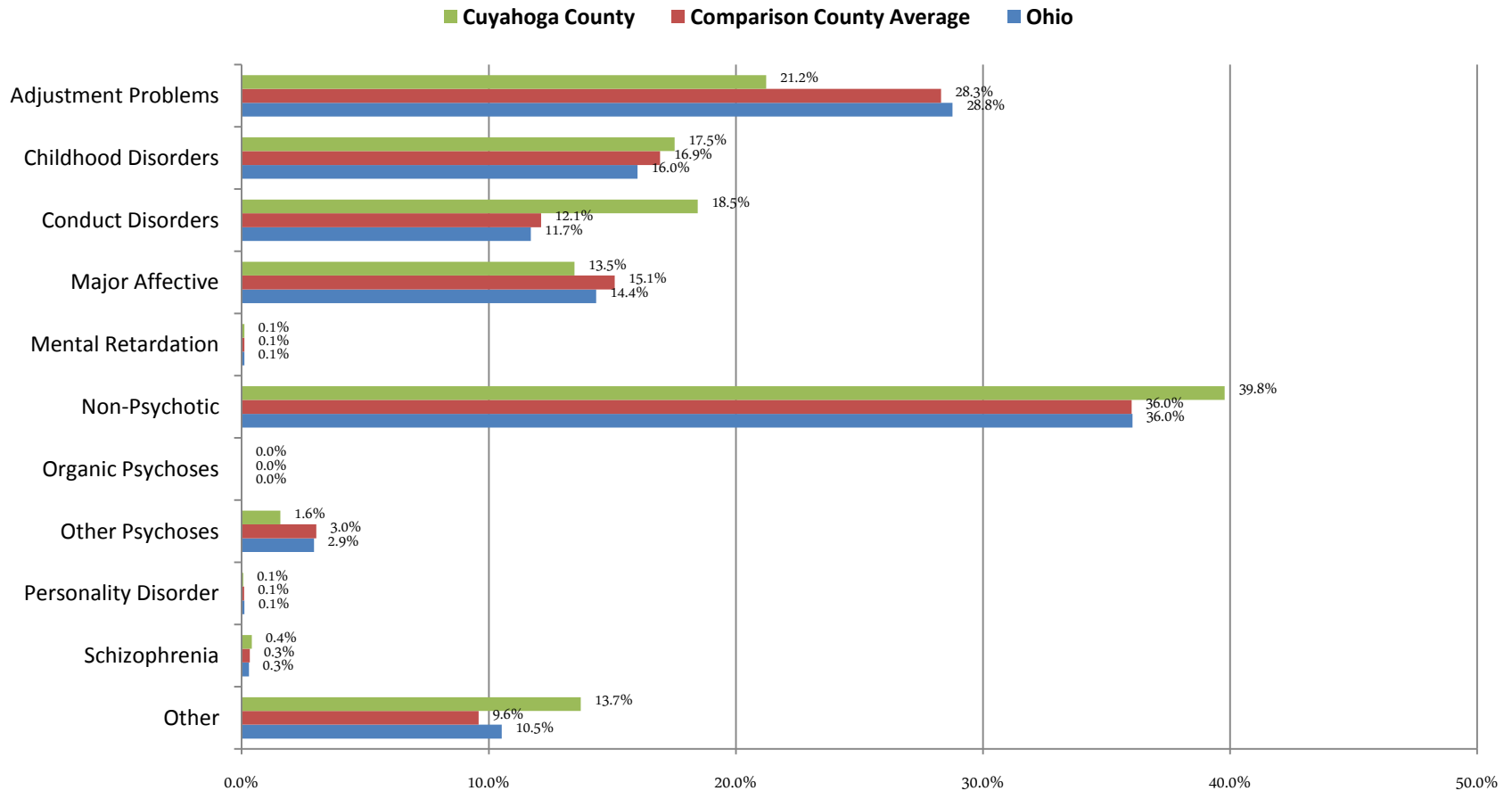
# Cuyahoga County ADAMHS Mental Health Consumers

## Age 0-17, by Diagnosis

FY 2007-2010 Average



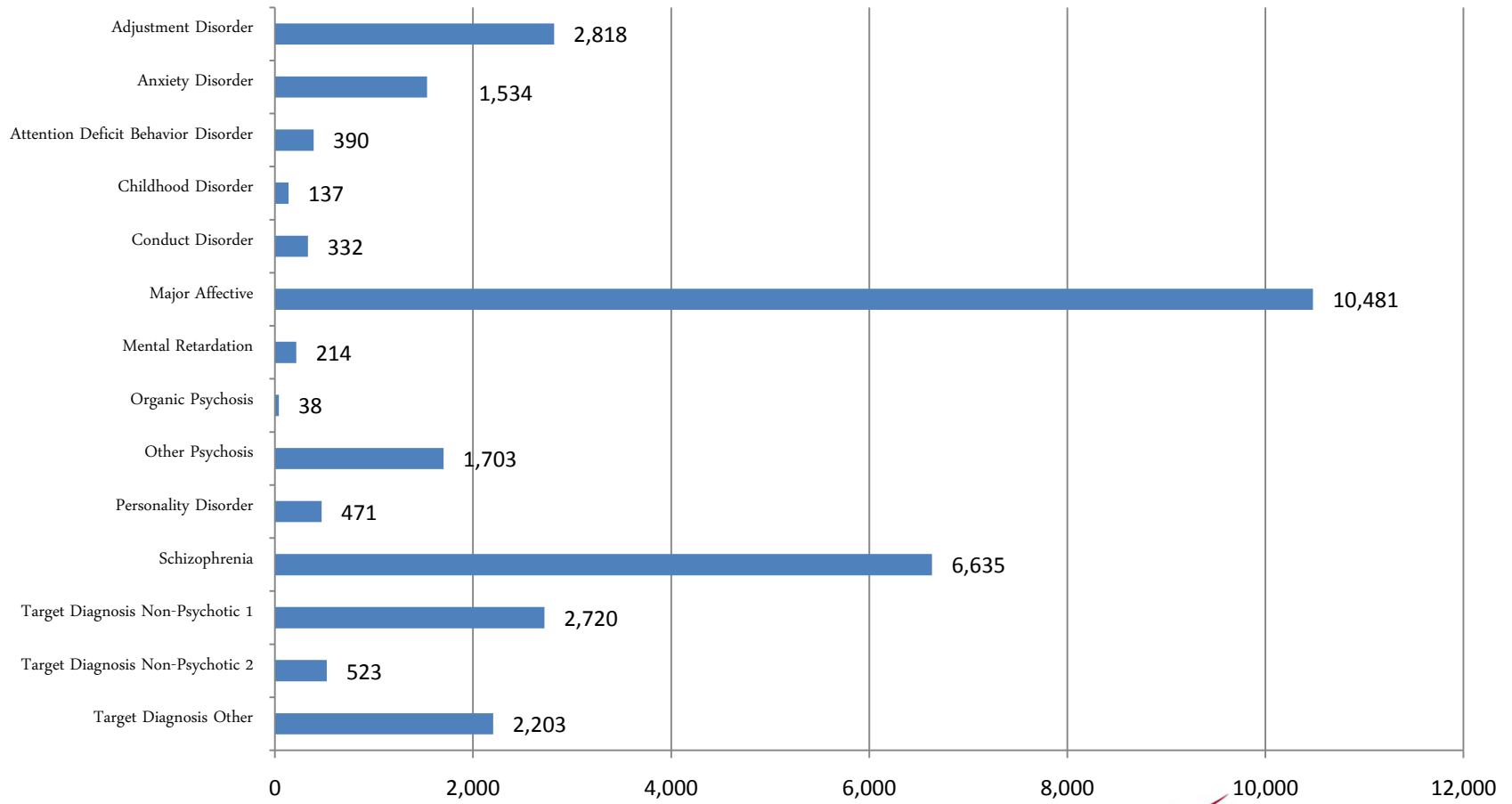
# Percentage Distribution of MH Consumers Age 0-17 by Diagnosis, FY 2007-2010 Average Cuyahoga, Ohio, and Comparison County Average



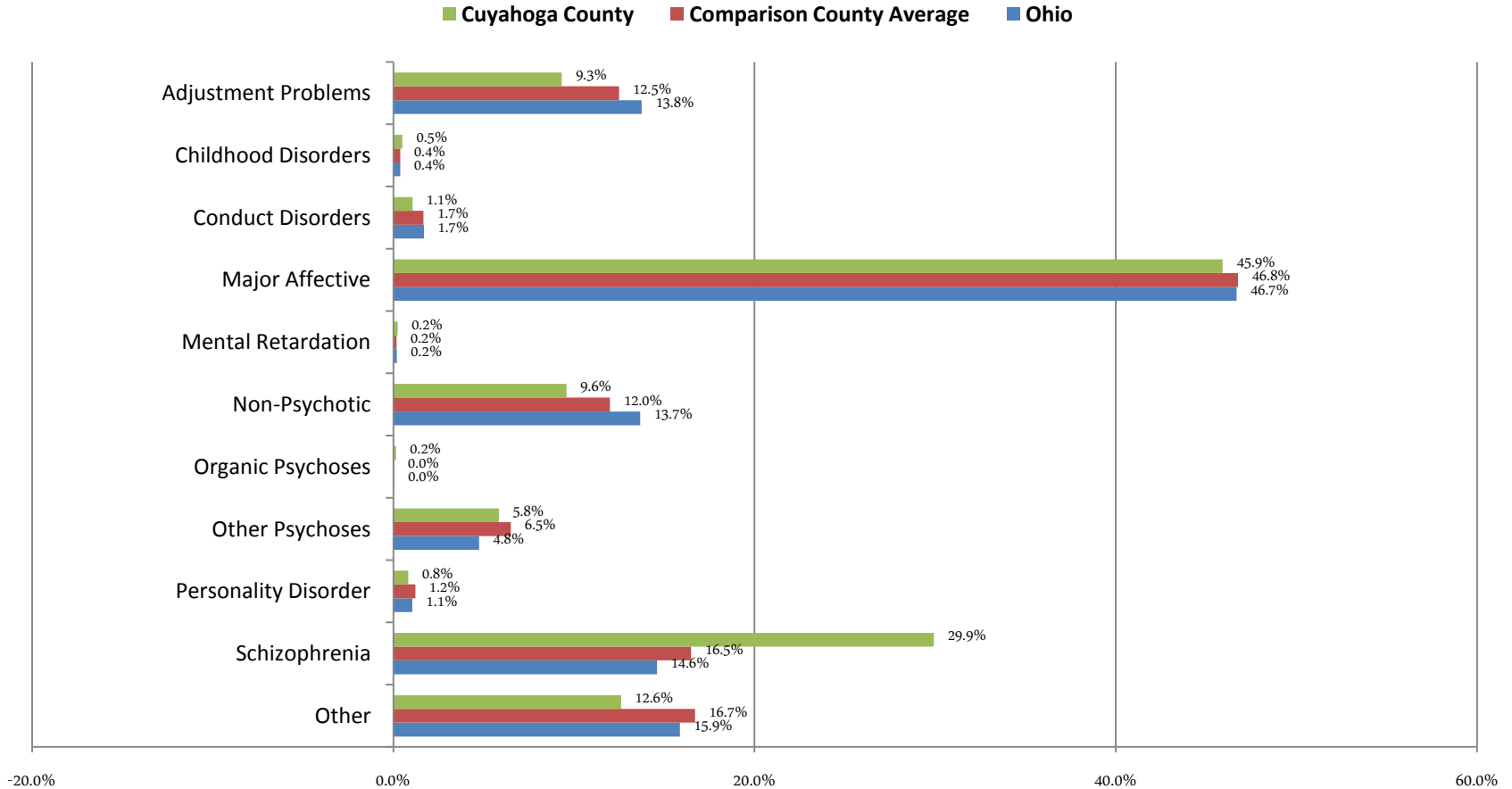
# Cuyahoga County ADAMHS Mental Health Consumers

Age 18-64, by Diagnosis

FY 2007-2010 Average



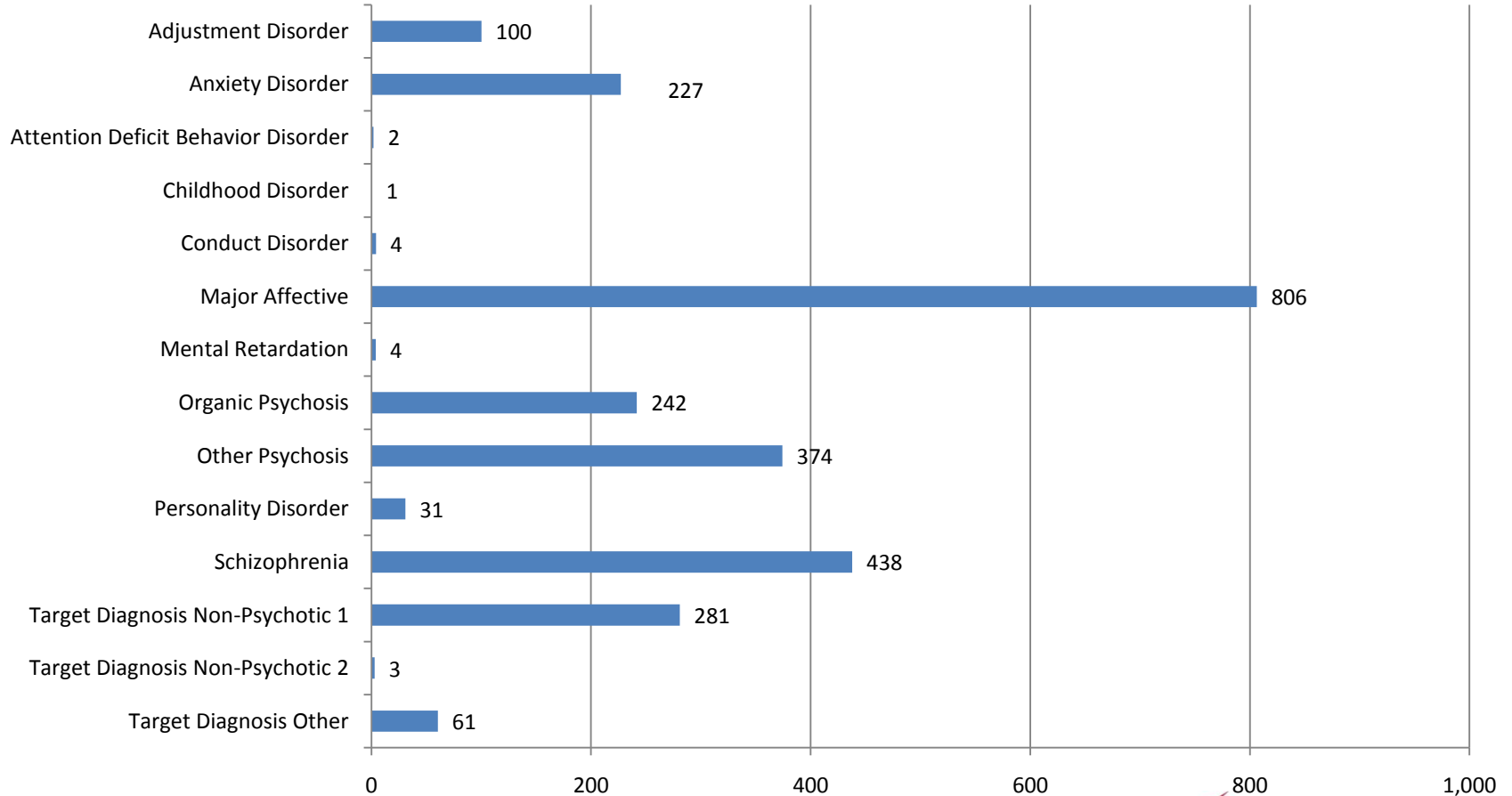
# Percentage Distribution of MH Consumers Age 18-64 by Diagnosis, FY 2007-2010 Average Cuyahoga, Ohio, and Comparison County Average



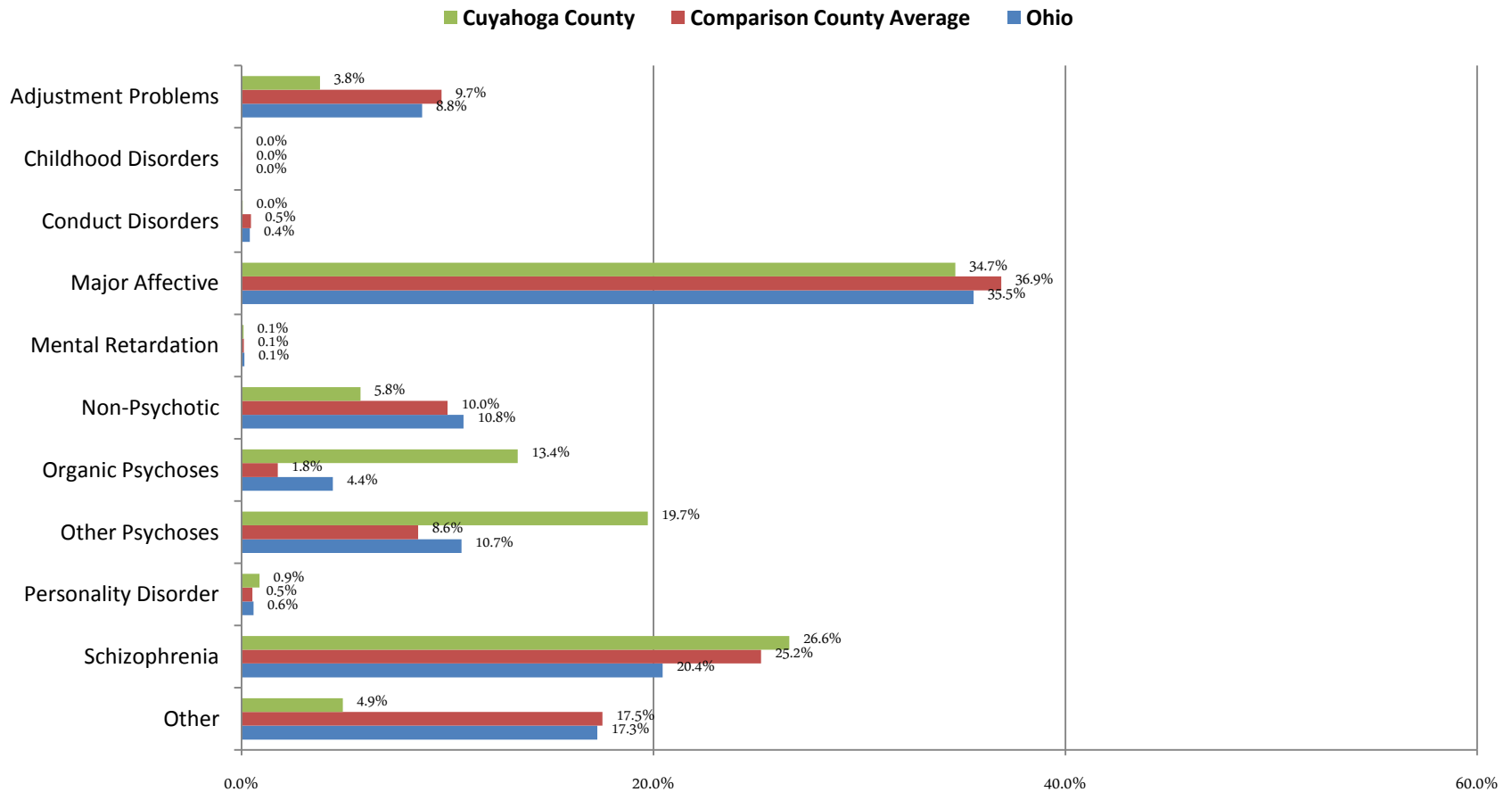
# Cuyahoga County ADAMHS Mental Health Consumers

## Age 65 and Over, by Diagnosis

FY 2007-2010 Average



# Percentage Distribution of MH Consumers Age 65 and Over by Diagnosis, FY 2007-2010 Average Cuyahoga, Ohio, and Comparison County Average



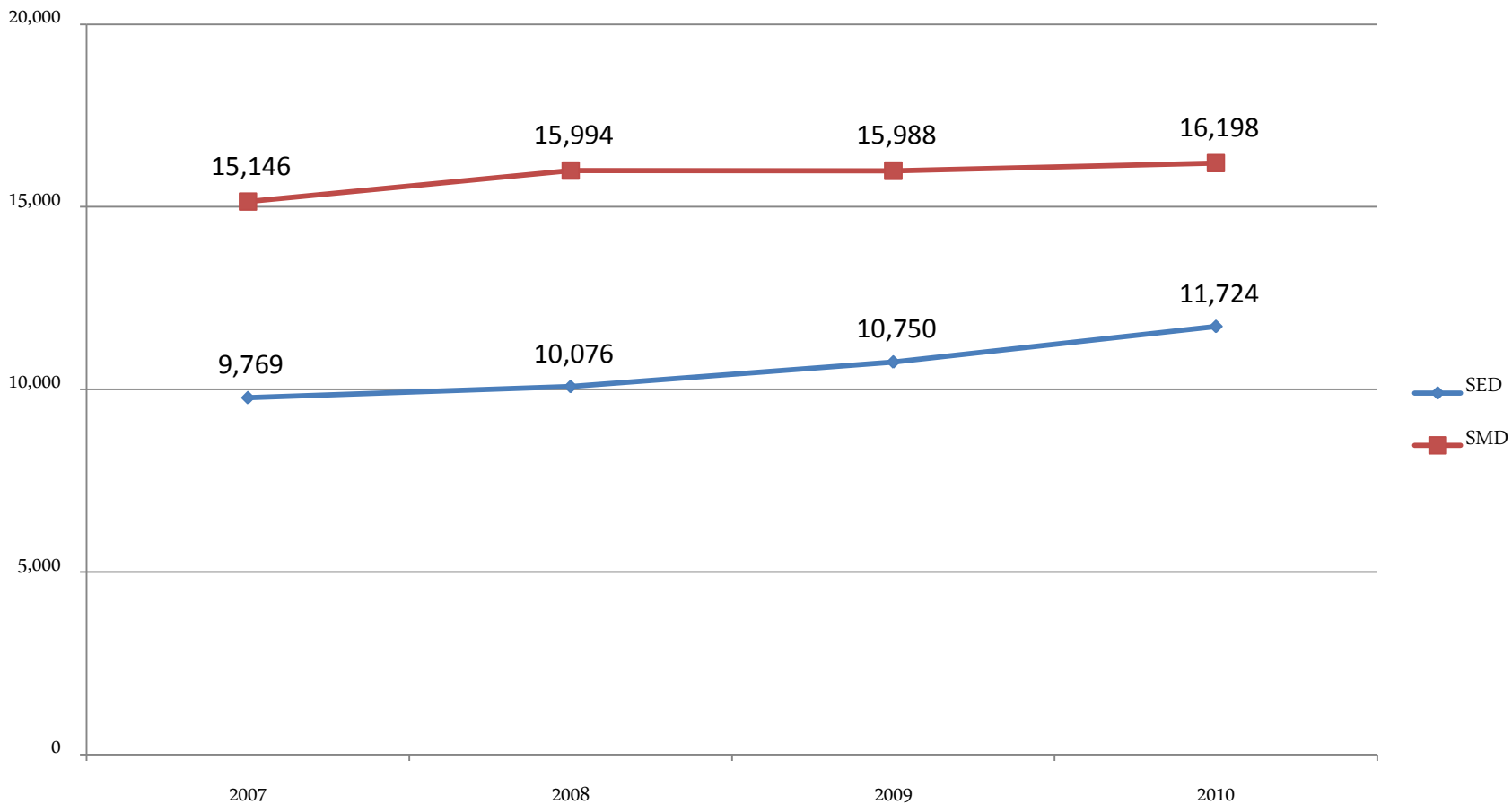


# Cuyahoga County

## SMD/SED Consumer Characteristics

# Number of SMD/SED Consumers in Cuyahoga County

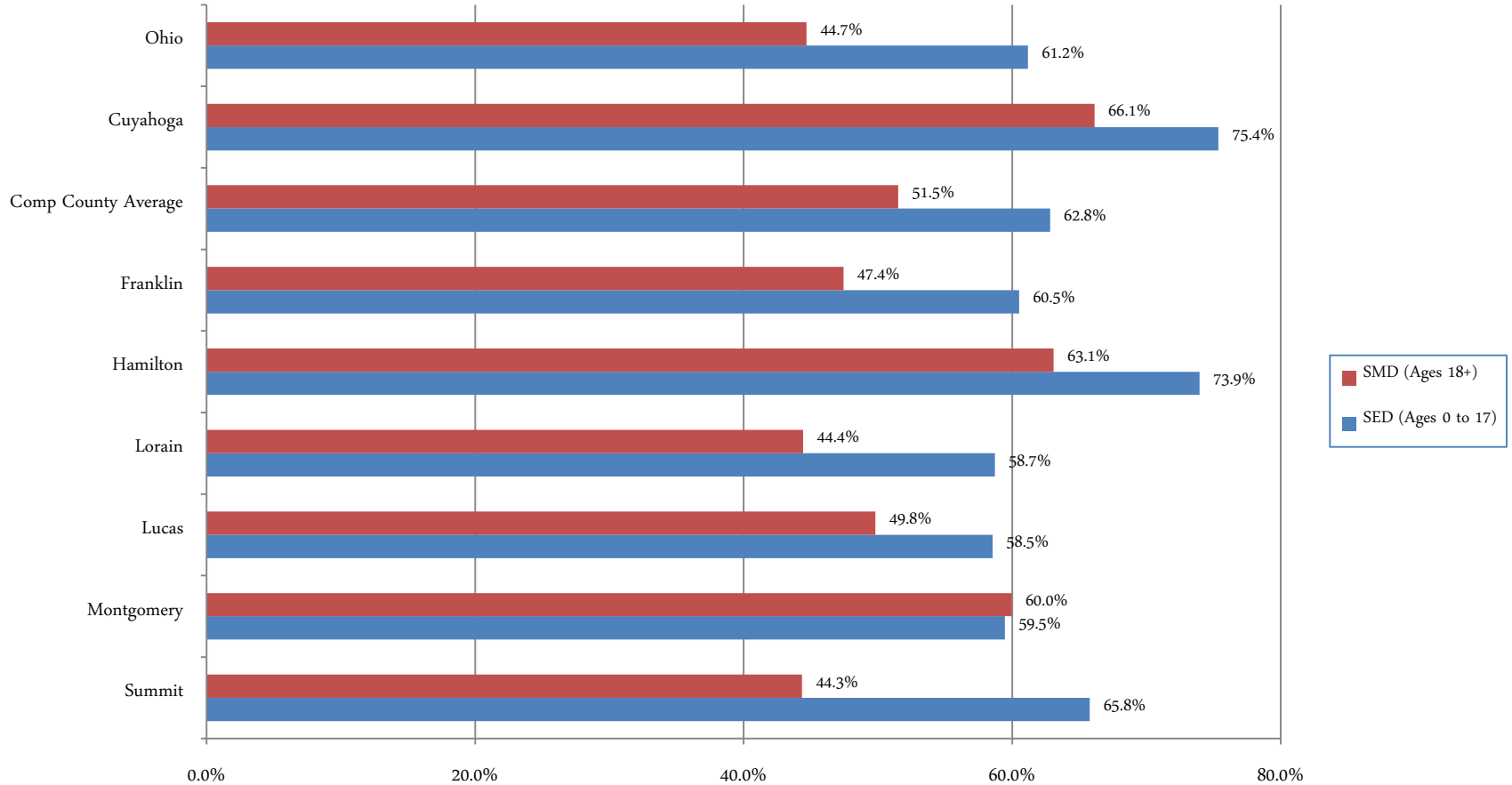
## FY 2007 – FY 2010



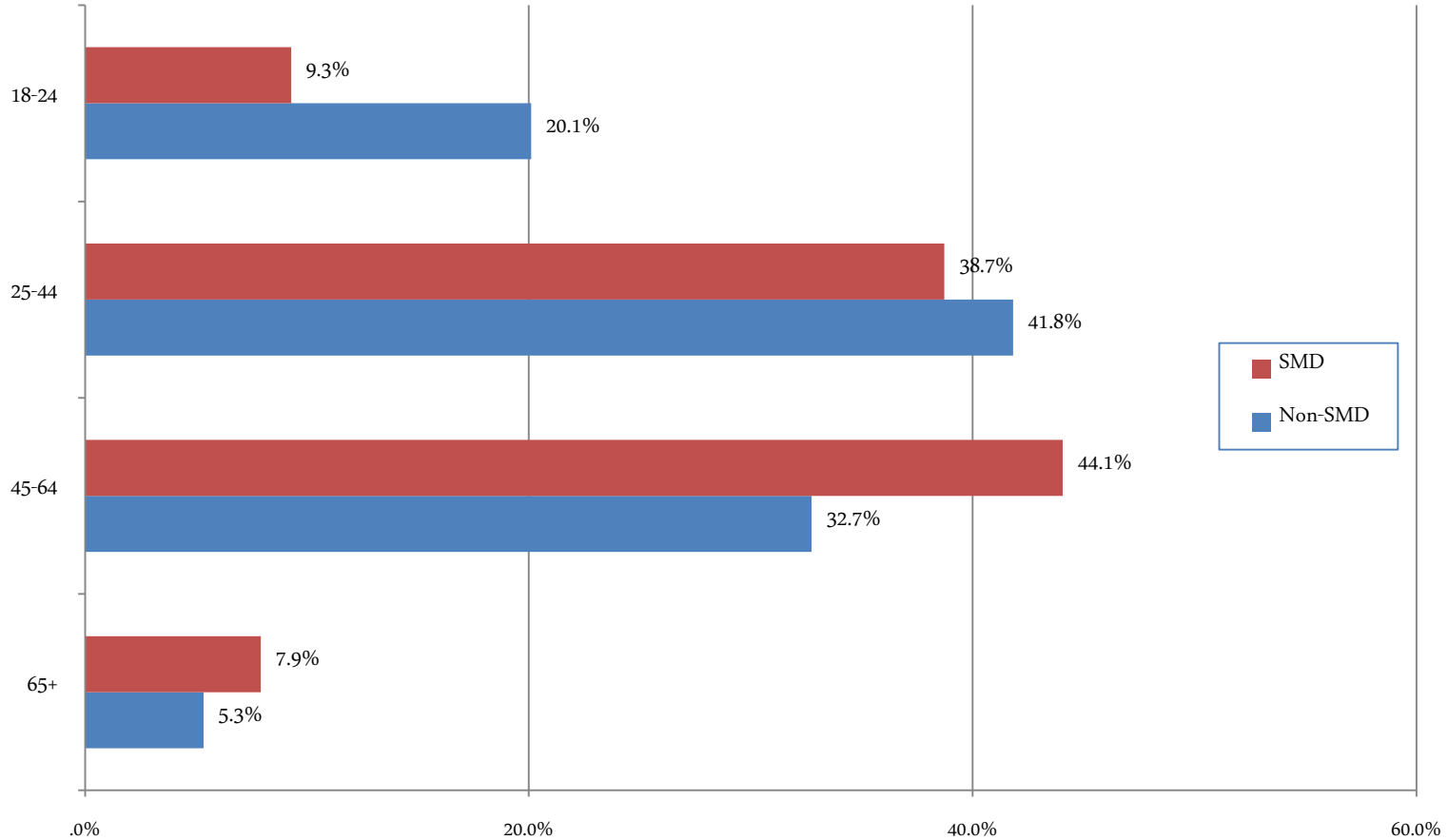
# Percentage of SMD/SED Consumers

## Cuyahoga, Ohio, and Comparison Counties

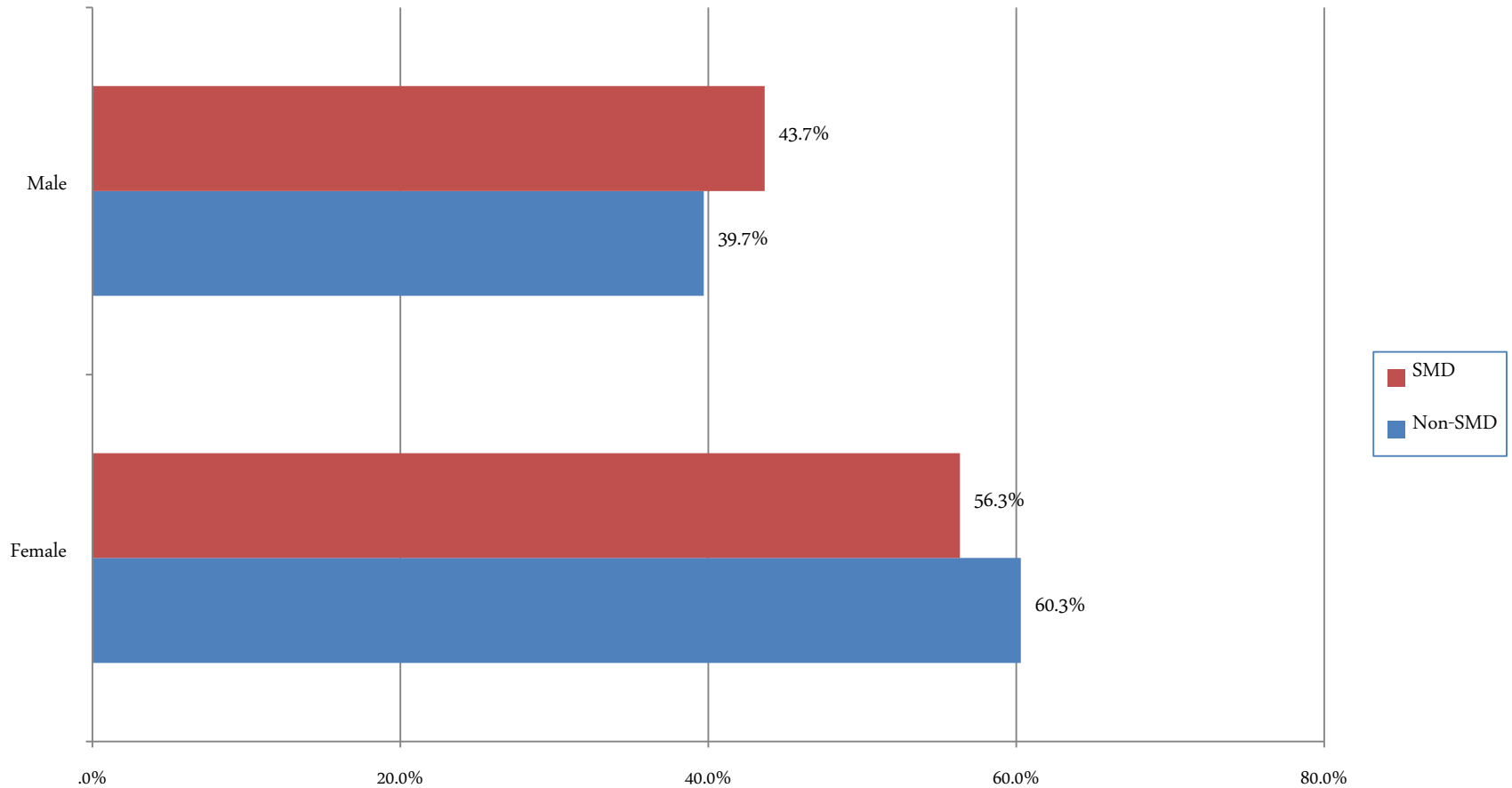
### FY 2007– FY 2010 Average



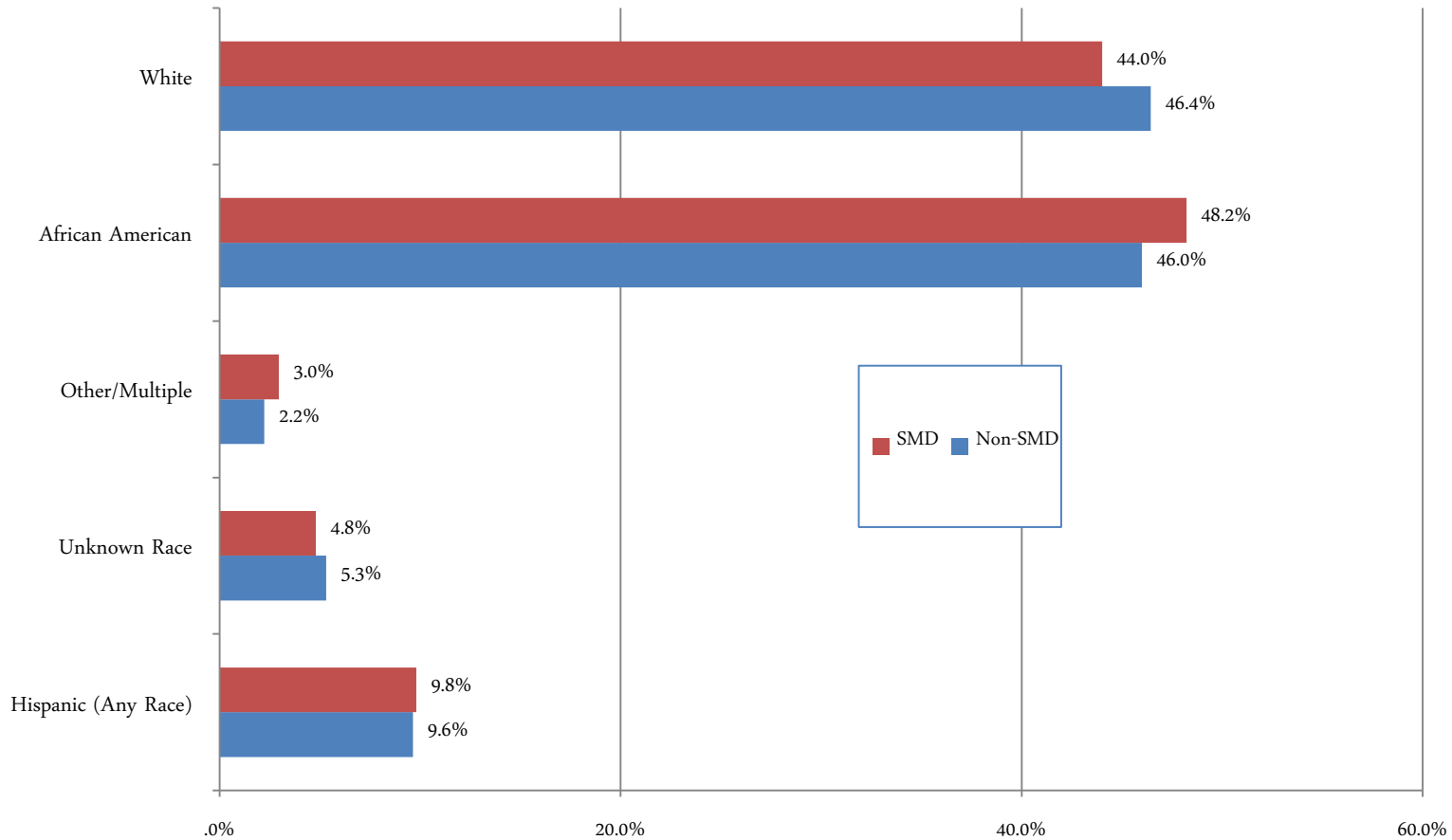
Percentage of SMD/Non-SMD Adult Consumers by Age Group  
Cuyahoga County  
FY 2007– FY 2010 Average



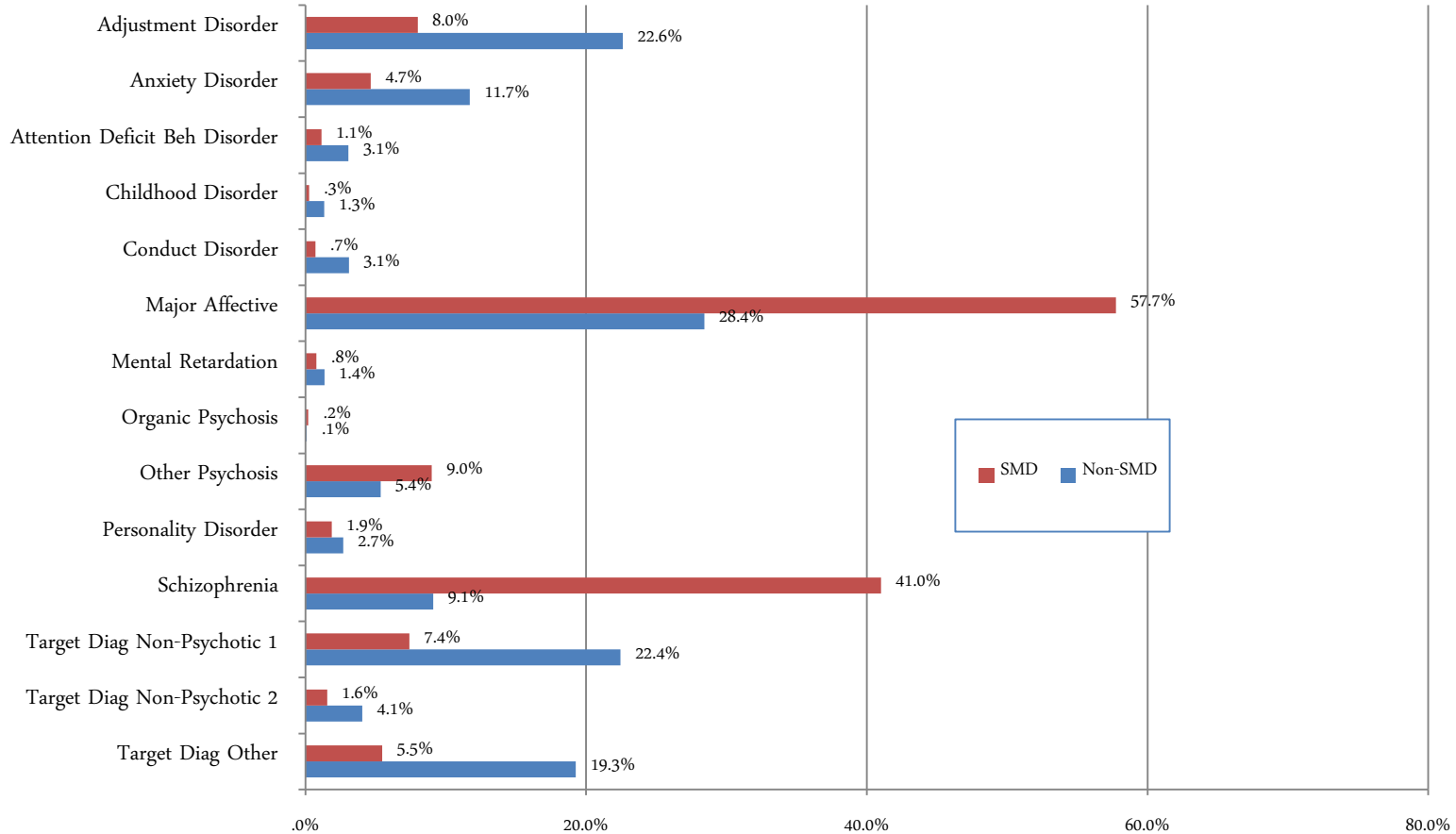
Percentage of SMD/Non-SMD Consumers 18 and Over by Gender  
Cuyahoga County  
FY 2007– FY 2010 Average



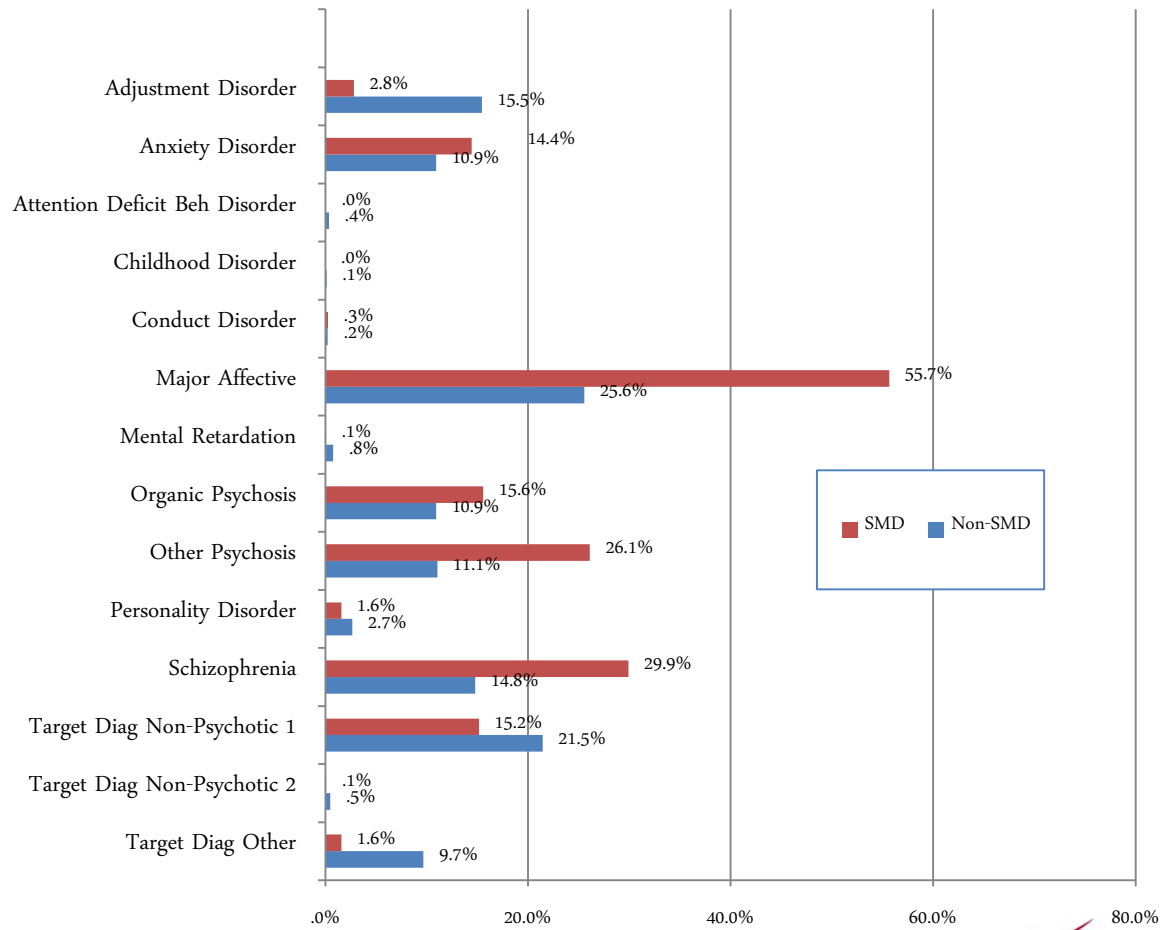
Percentage of SMD/Non-SMD Consumers 18 and Over  
by Race and Ethnicity  
Cuyahoga County, FY 2007– FY 2010 Average



Percentage of SMD/Non-SMD Consumers 18 to 64  
by Diagnosis  
Cuyahoga County, FY 2007– FY 2010 Average

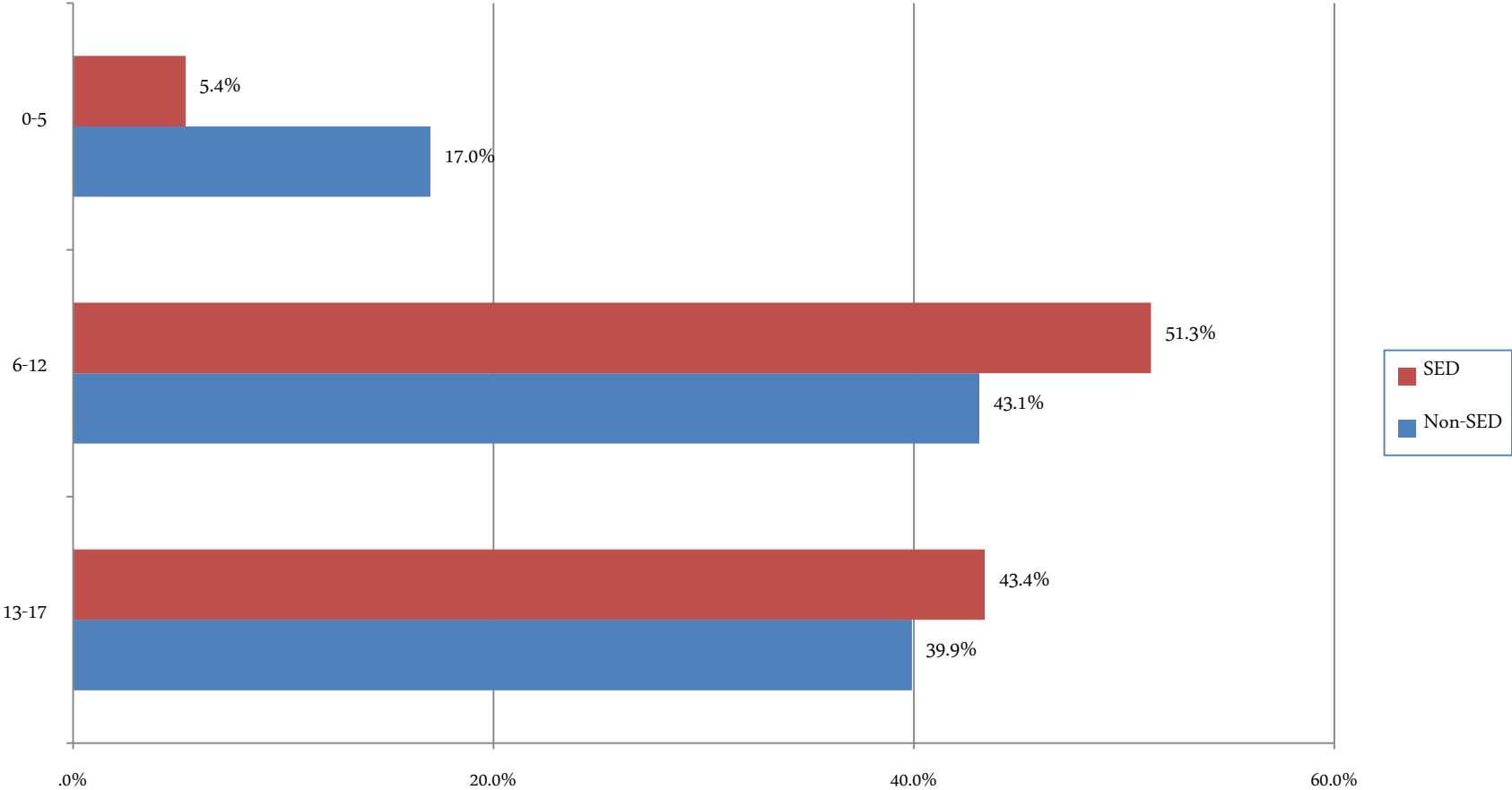


Percentage of SMD/Non-SMD Consumers 65 and Over  
 by Diagnosis  
 Cuyahoga County, FY 2007– FY 2010 Average

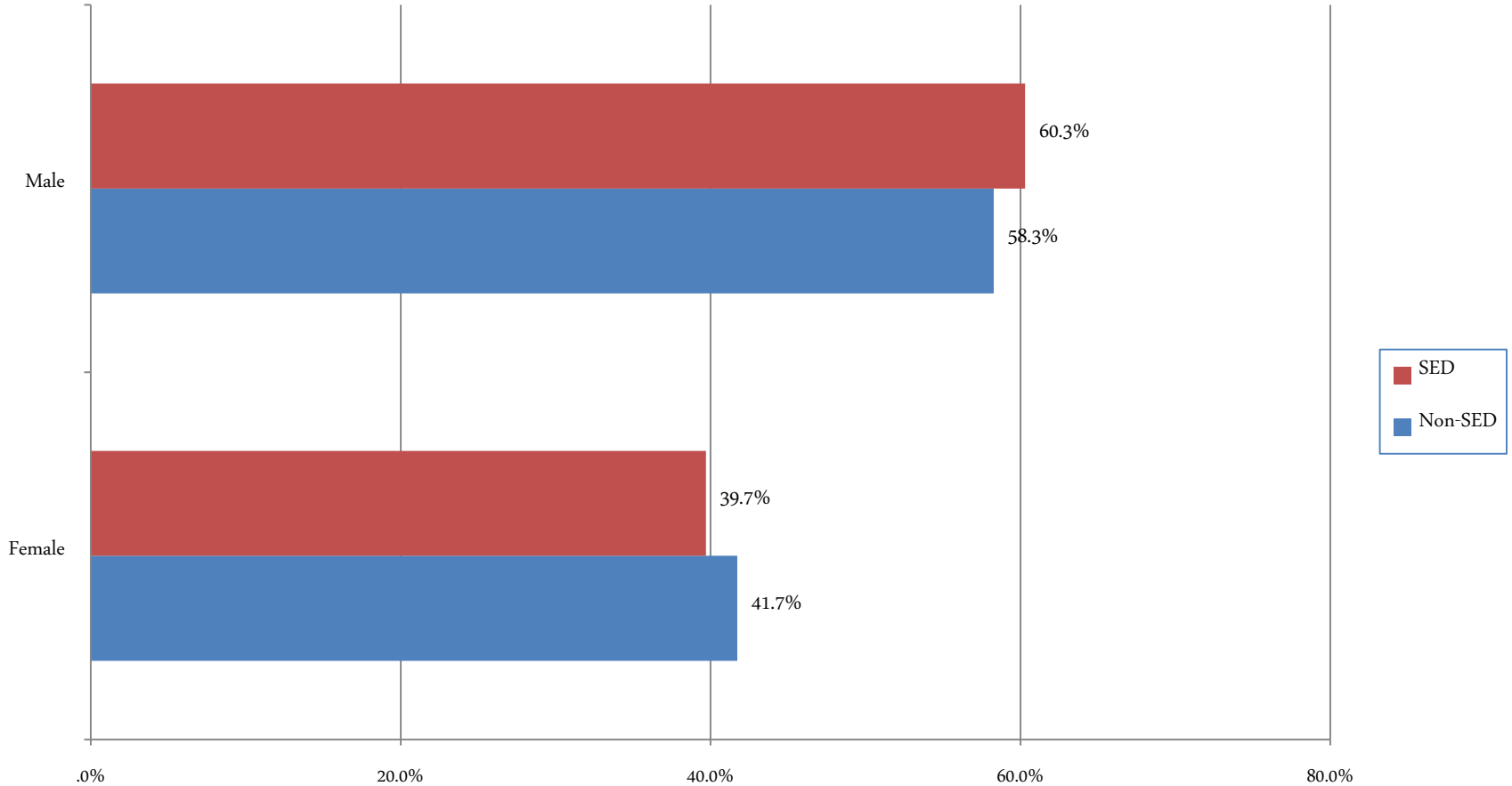




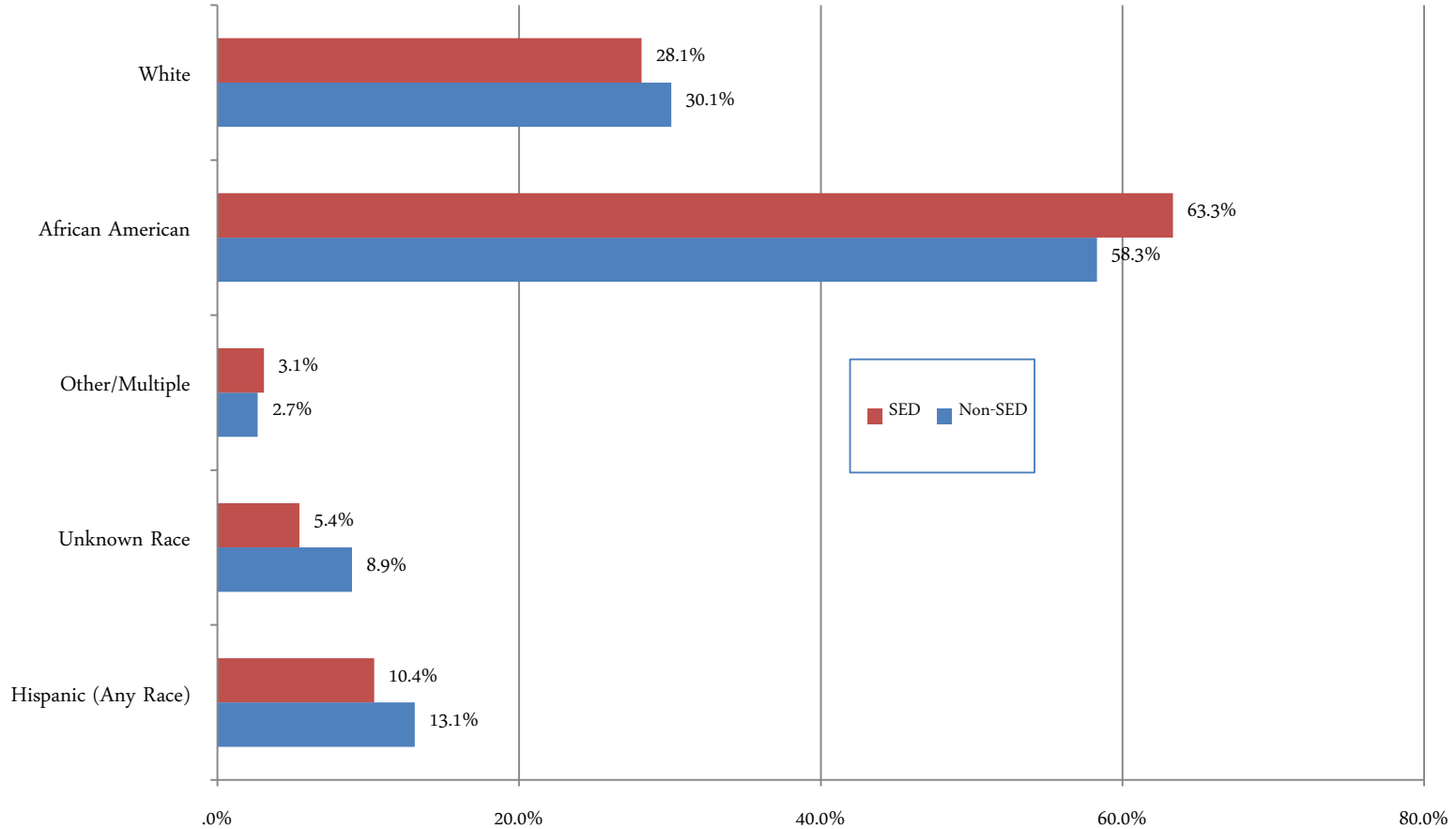
Percentage of SED/Non-SED Consumers Under 18  
by Age Group  
Cuyahoga County, FY 2007– FY 2010 Average



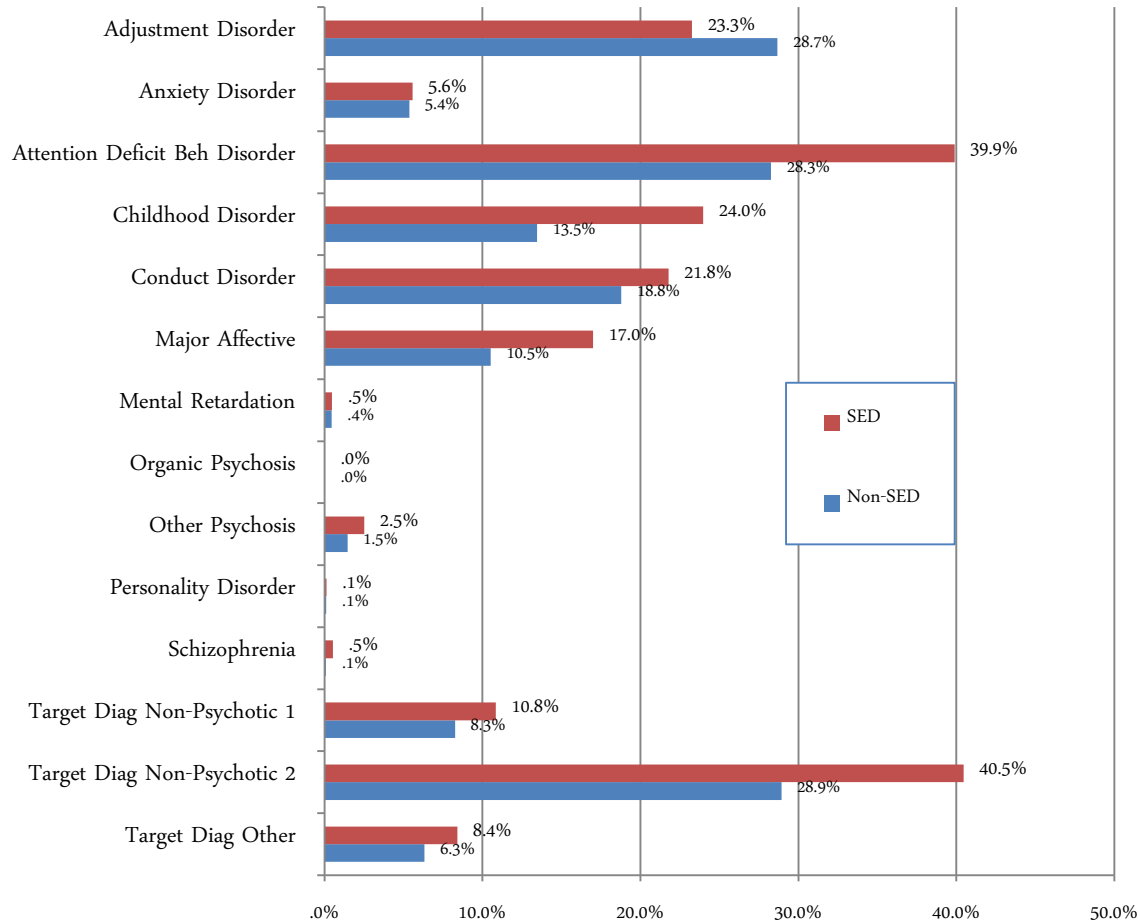
Percentage of SED/Non-SED Consumers Under18 by Gender  
Cuyahoga County  
FY 2007– FY 2010 Average



Percentage of SED/Non-SED Consumers Under 18  
by Race and Ethnicity  
Cuyahoga County, FY 2007– FY 2010 Average



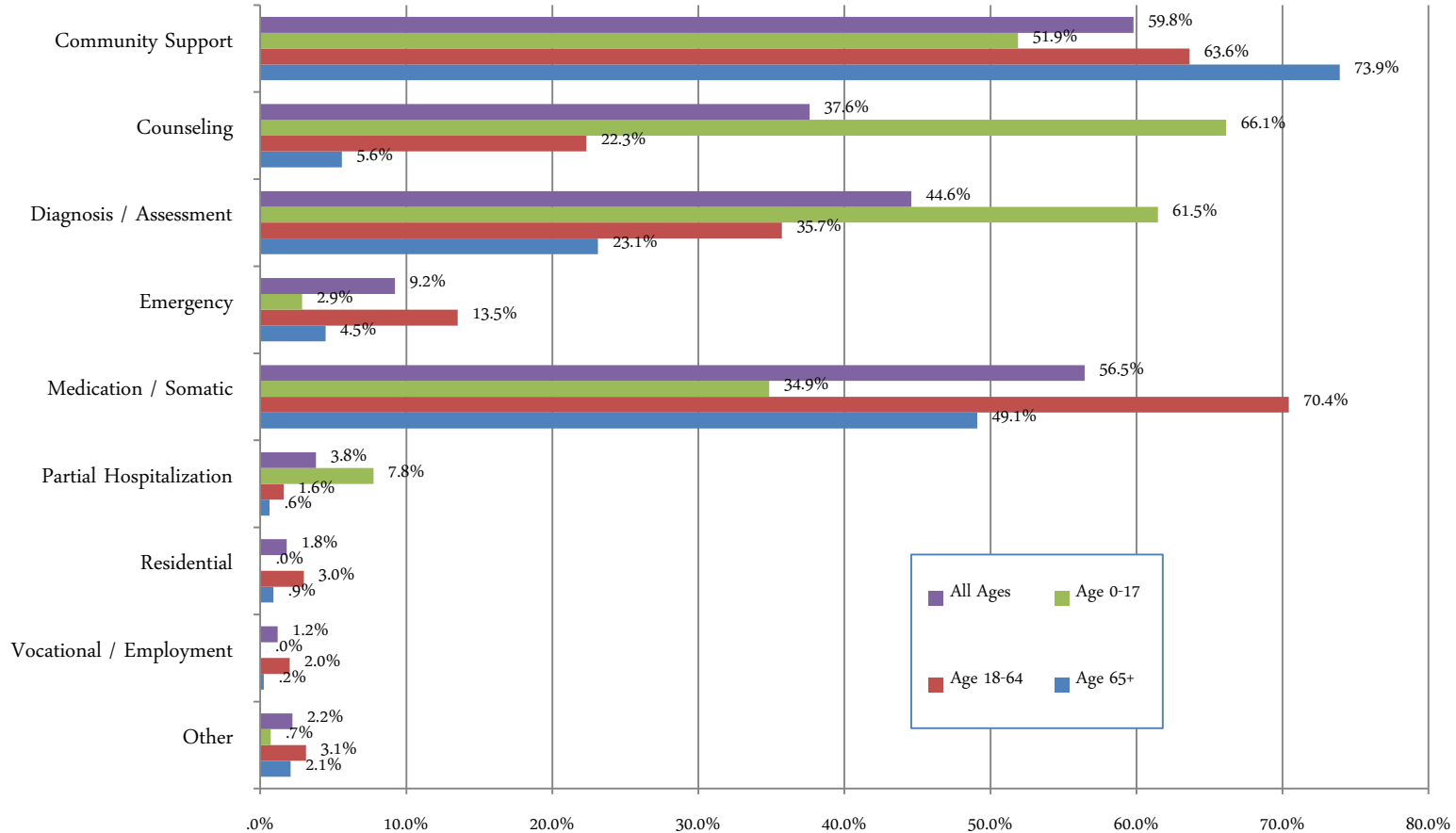
# Percentage of SED/Non-SED Consumers Under 18 by Diagnosis Cuyahoga County, FY 2007– FY 2010 Average



# Mental Health Services Received

# Mental Health Services Received by Age of Consumer

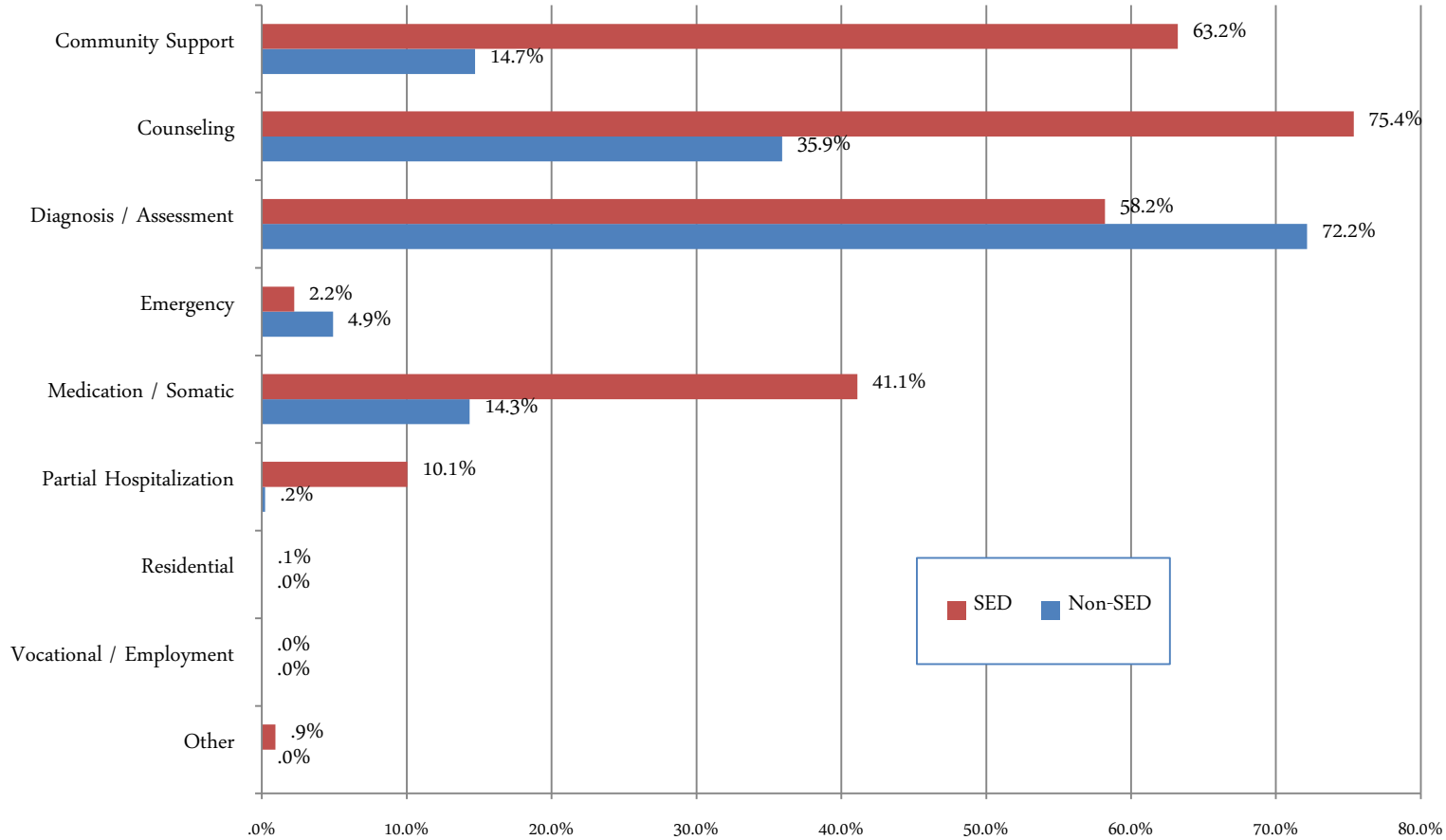
## Cuyahoga County, FY 2007– FY 2010 Average



# Mental Health Services Received

## By SED Status of Consumers Under 18

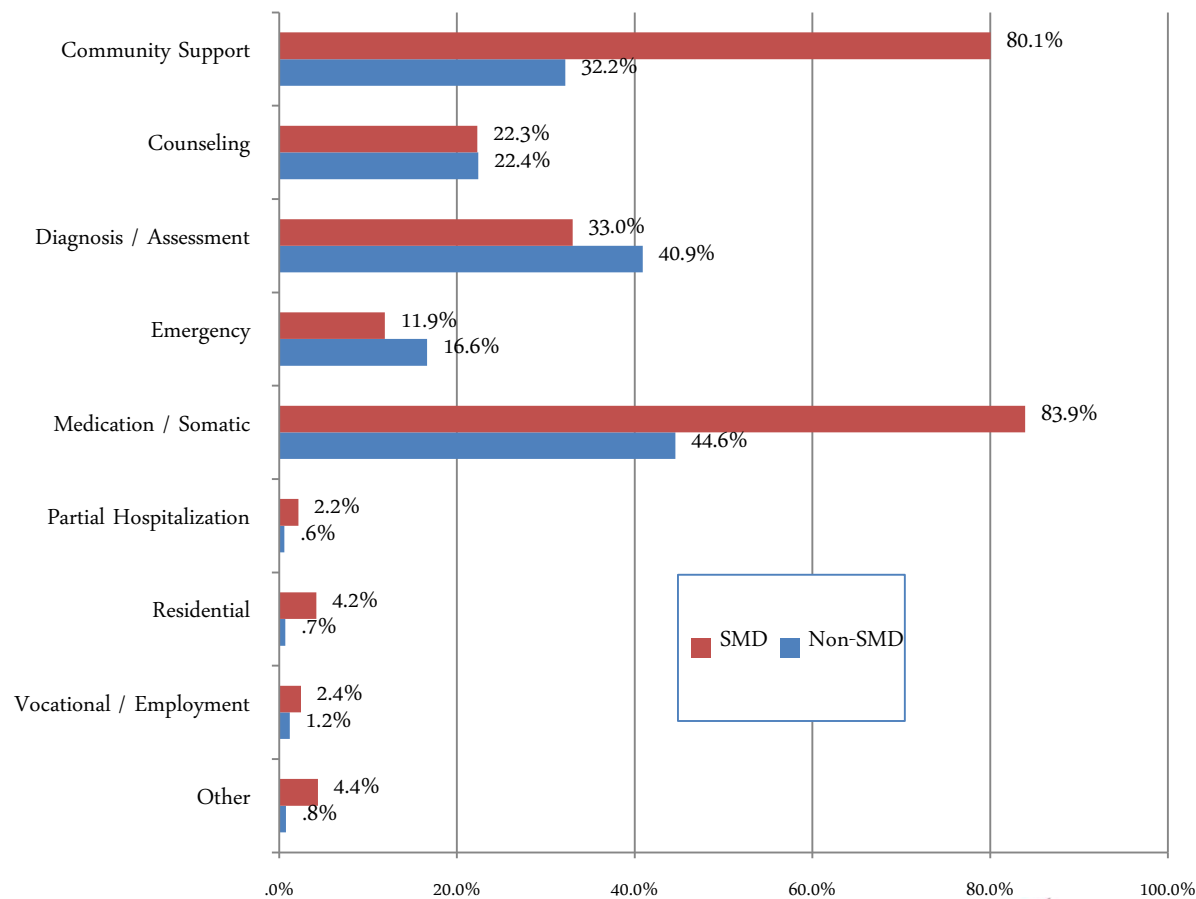
### Cuyahoga County, FY 2007– FY 2010 Average



# Mental Health Services Received

## By SMD Status of Consumers 18 to 64

### Cuyahoga County, FY 2007– FY 2010 Average

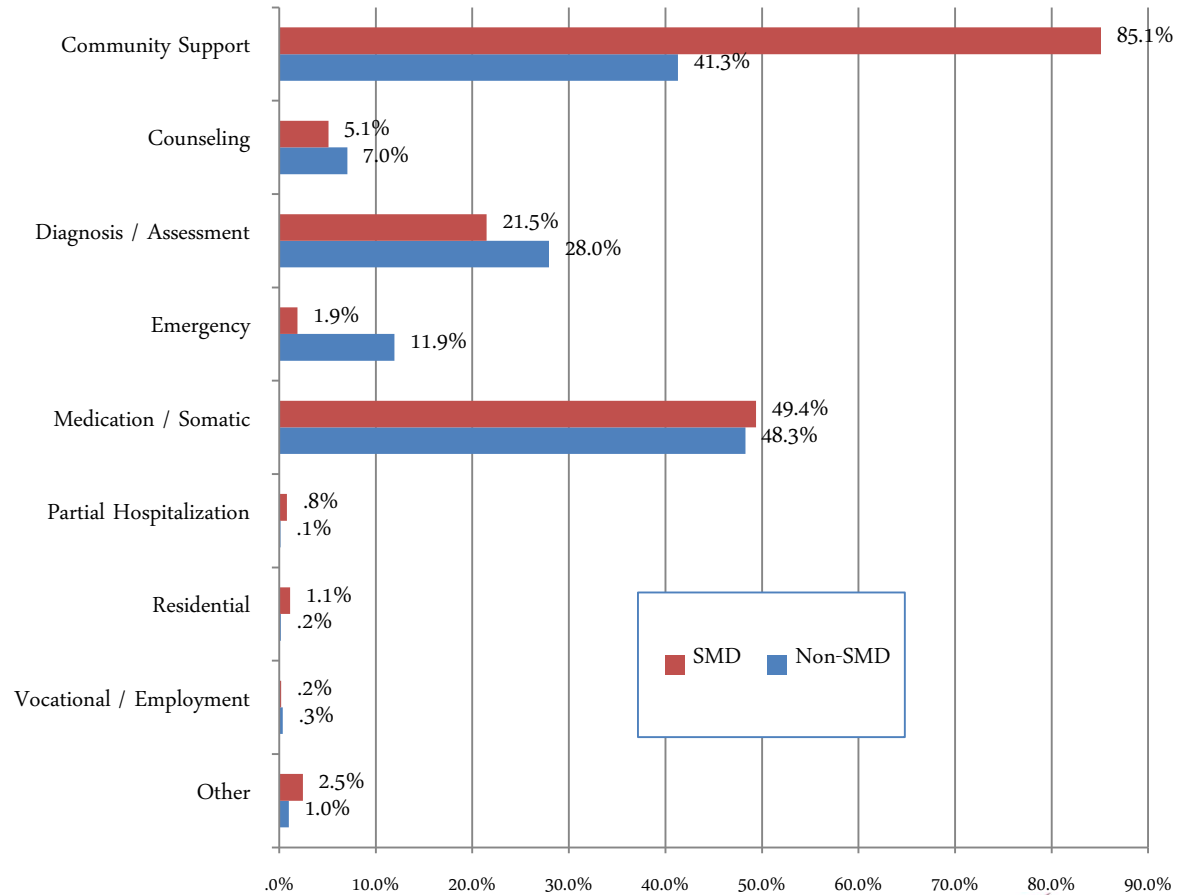




# Mental Health Services Received

## By SMD Status of Consumers 65 and Over

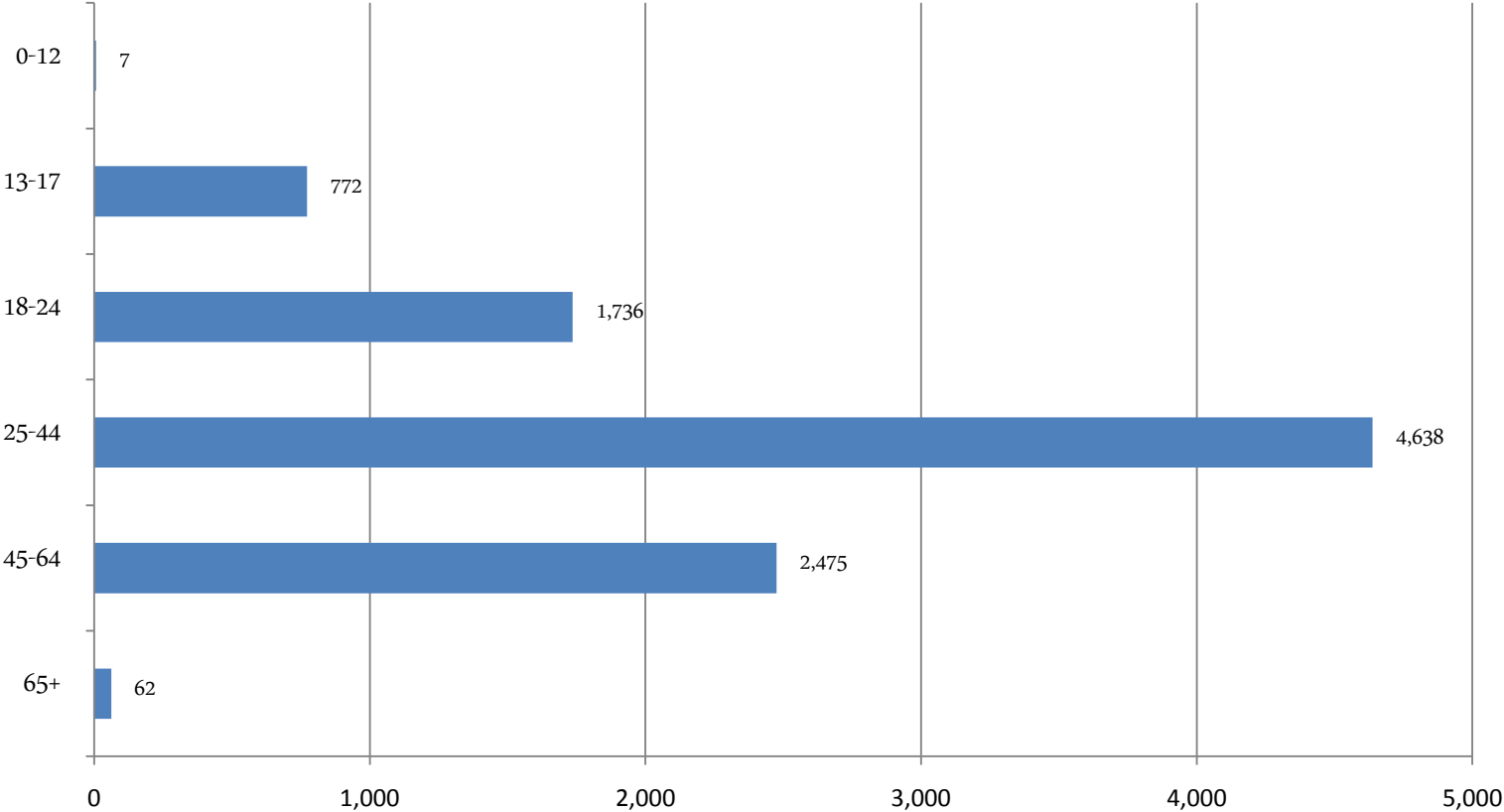
### Cuyahoga County, FY 2007– FY 2010 Average



# Demographic Profile of Cuyahoga County AOD Consumers

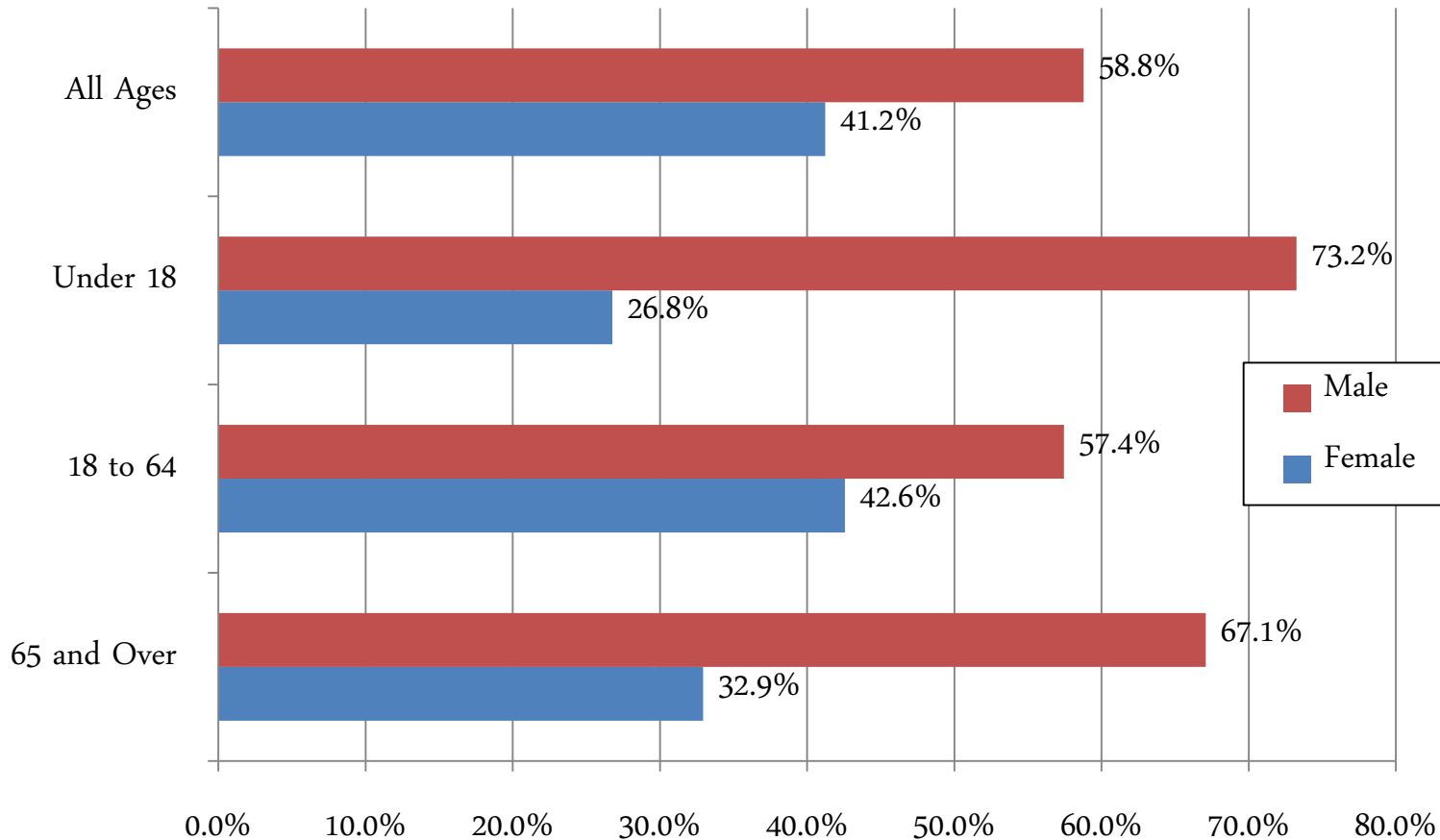
# Alcohol / Drug Consumers by Age

## FY 2007 to FY 2010 Average



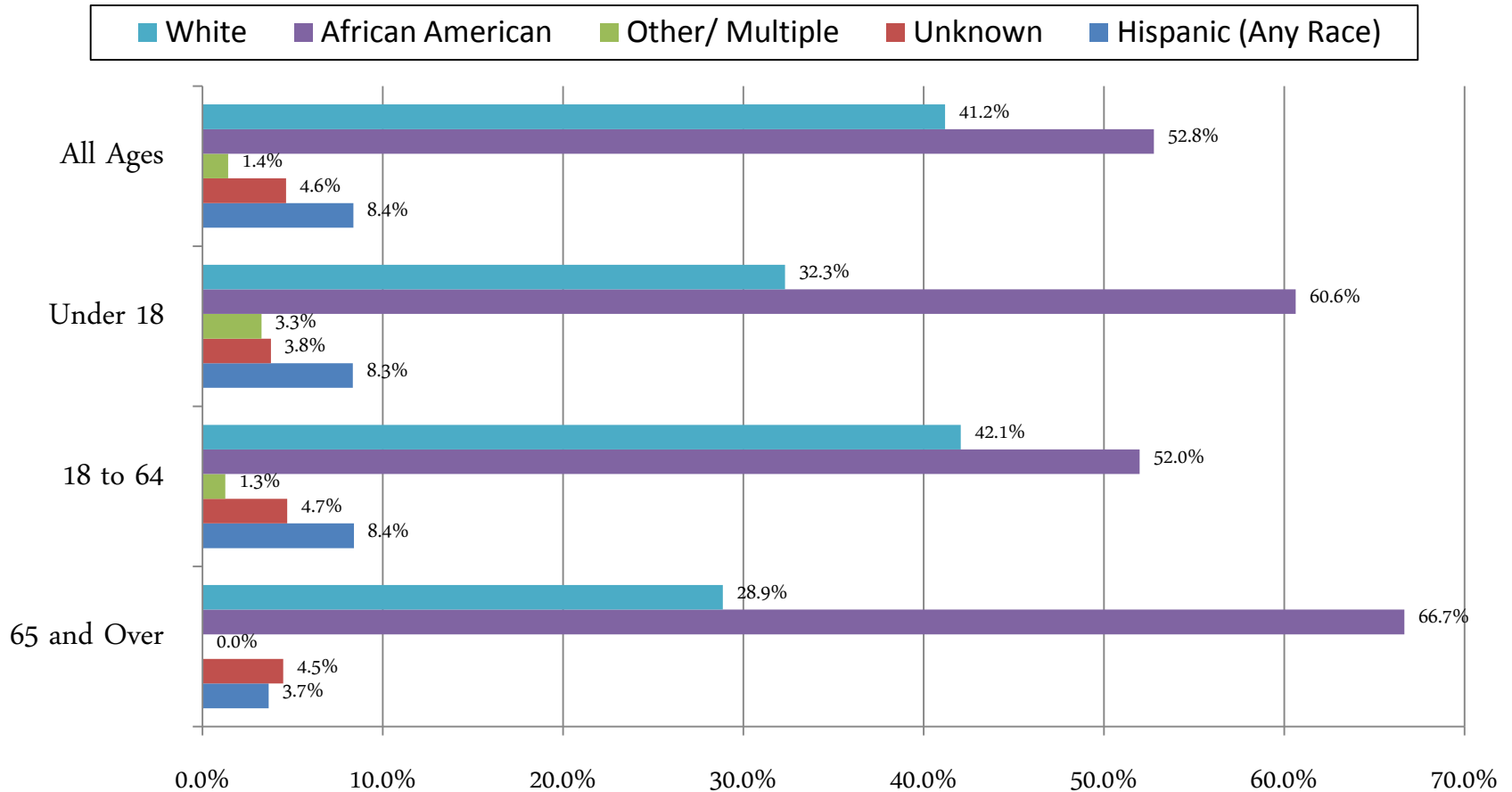
# Alcohol / Drug Consumers by Gender

FY 2007 to FY 2010 Average



# Alcohol / Drug Consumers by Race and Ethnicity

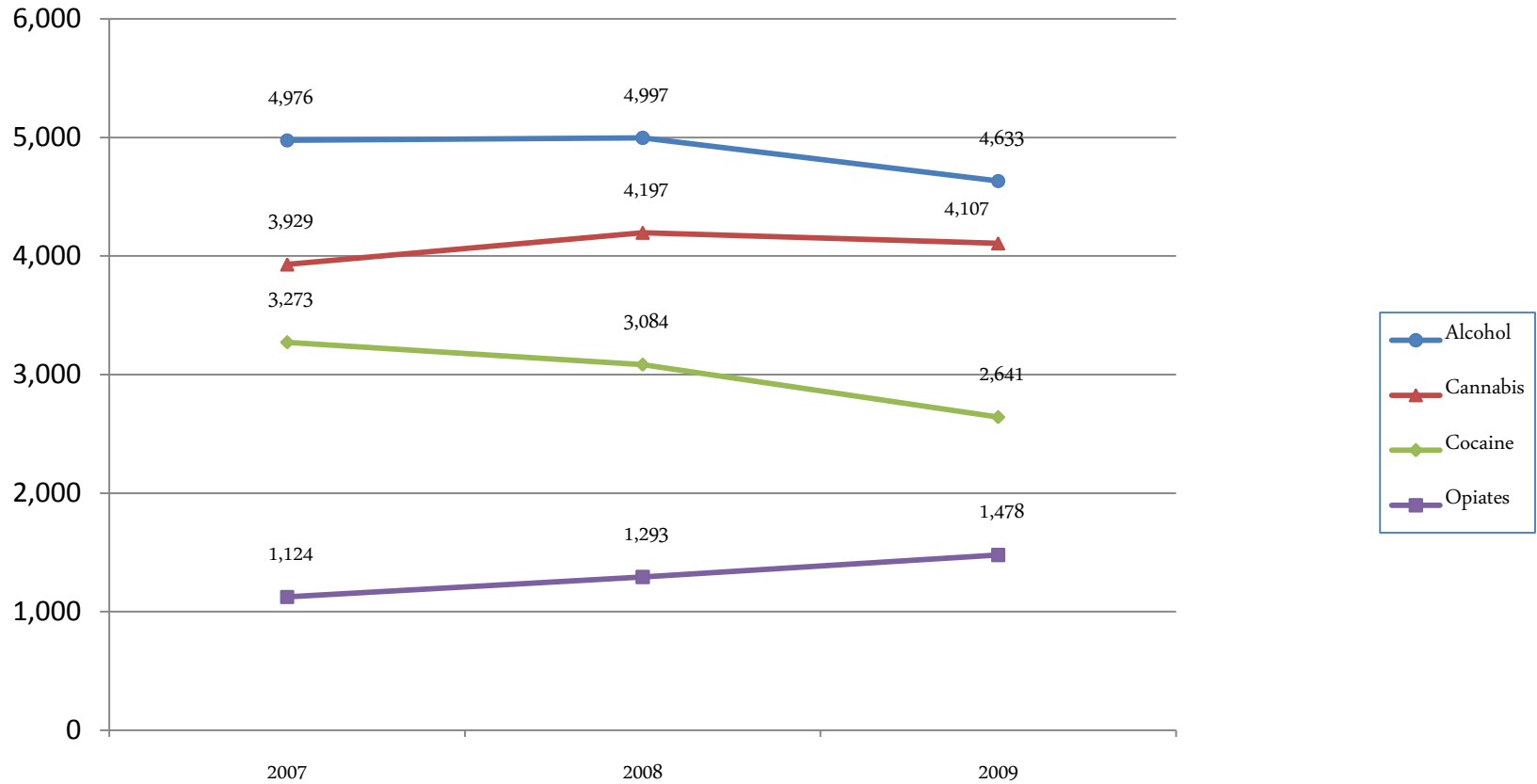
FY 2007 to FY 2010 Average



# AOD Consumer Substance Characteristics

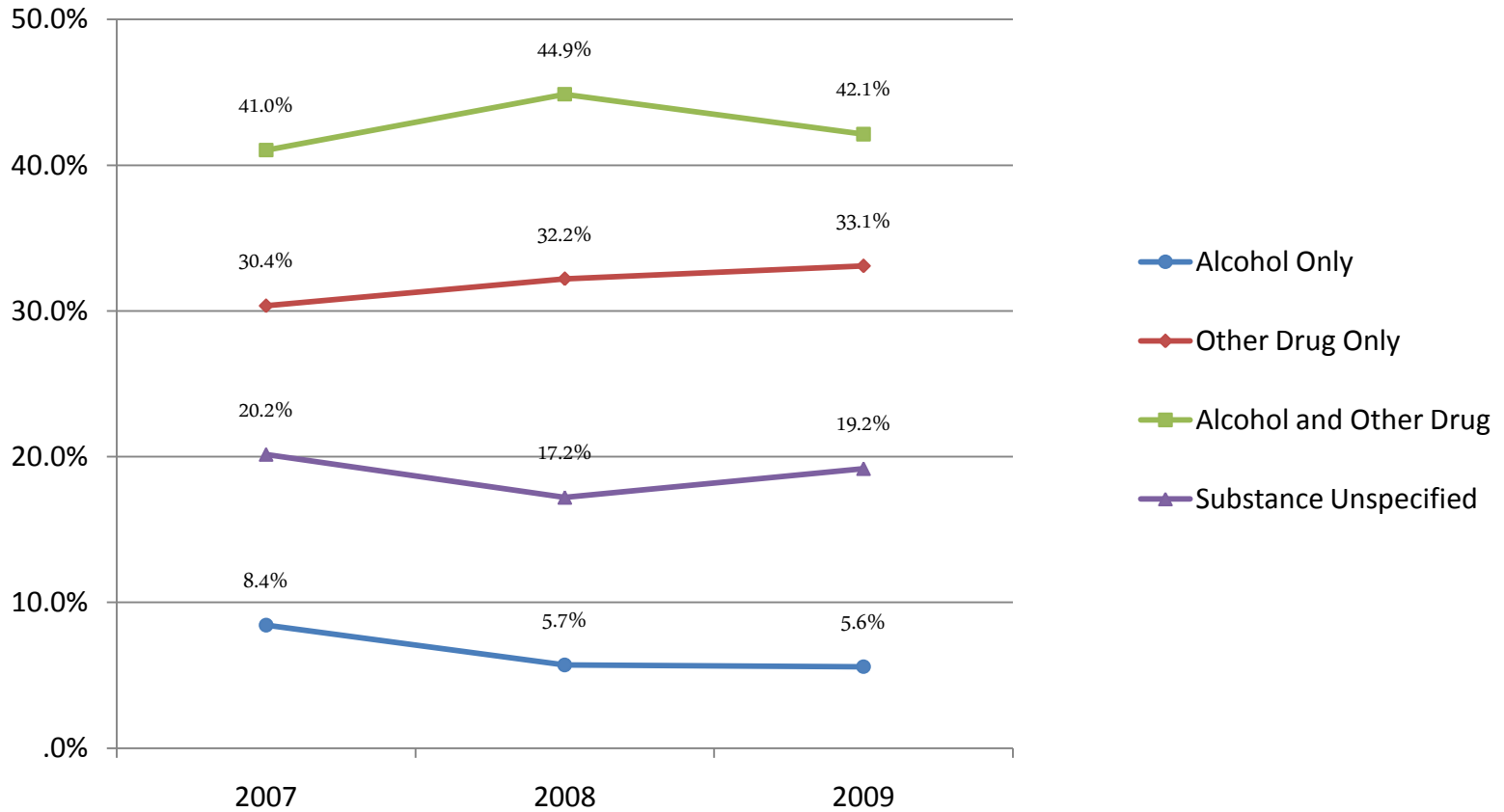
# AOD Consumers by Major Substances Used

## Cuyahoga County, FY 2007– FY 2009



# AOD Consumers by Substance Behavior

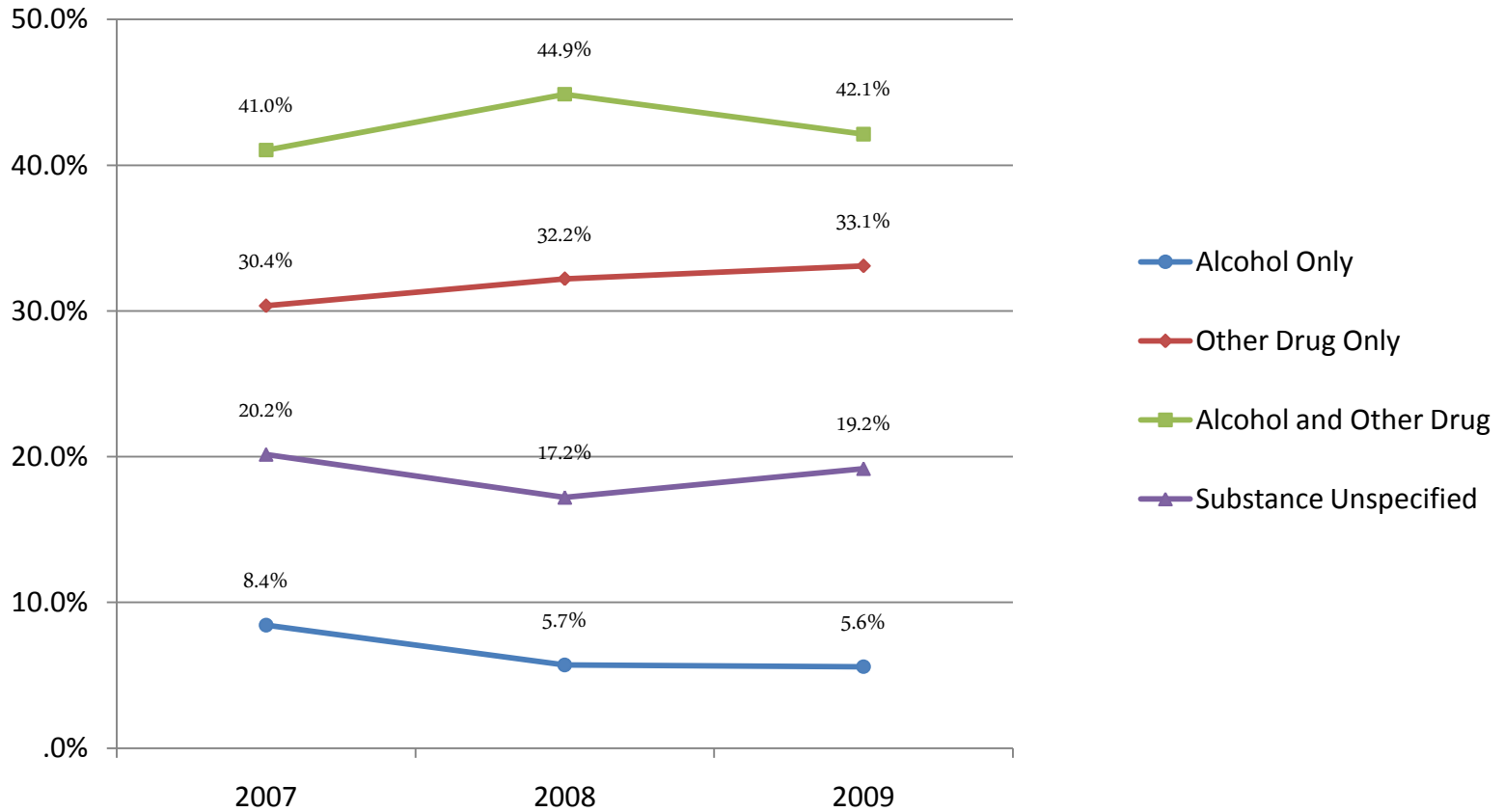
## Cuyahoga County, FY 2007– FY 2009





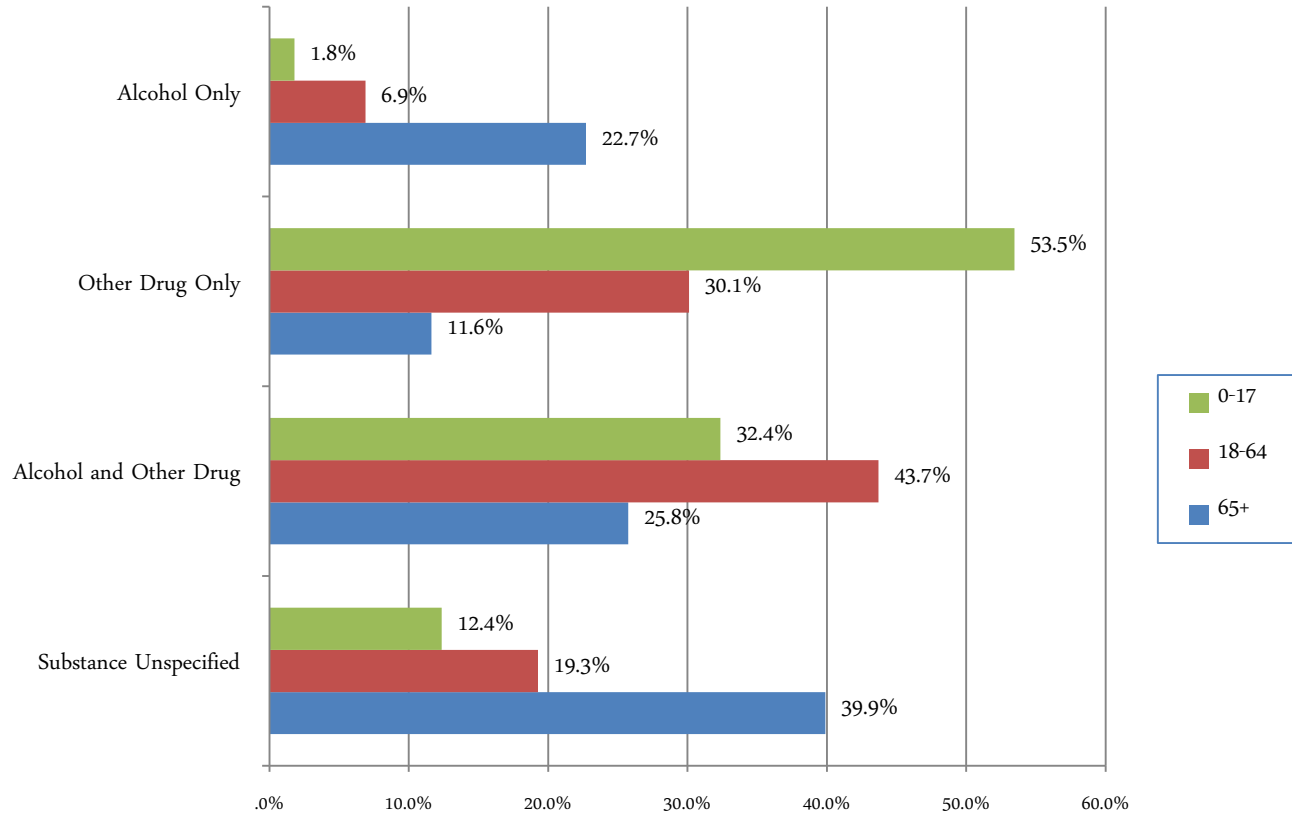
# AOD Consumers by Substance Behavior

## Cuyahoga County, FY 2007– FY 2009



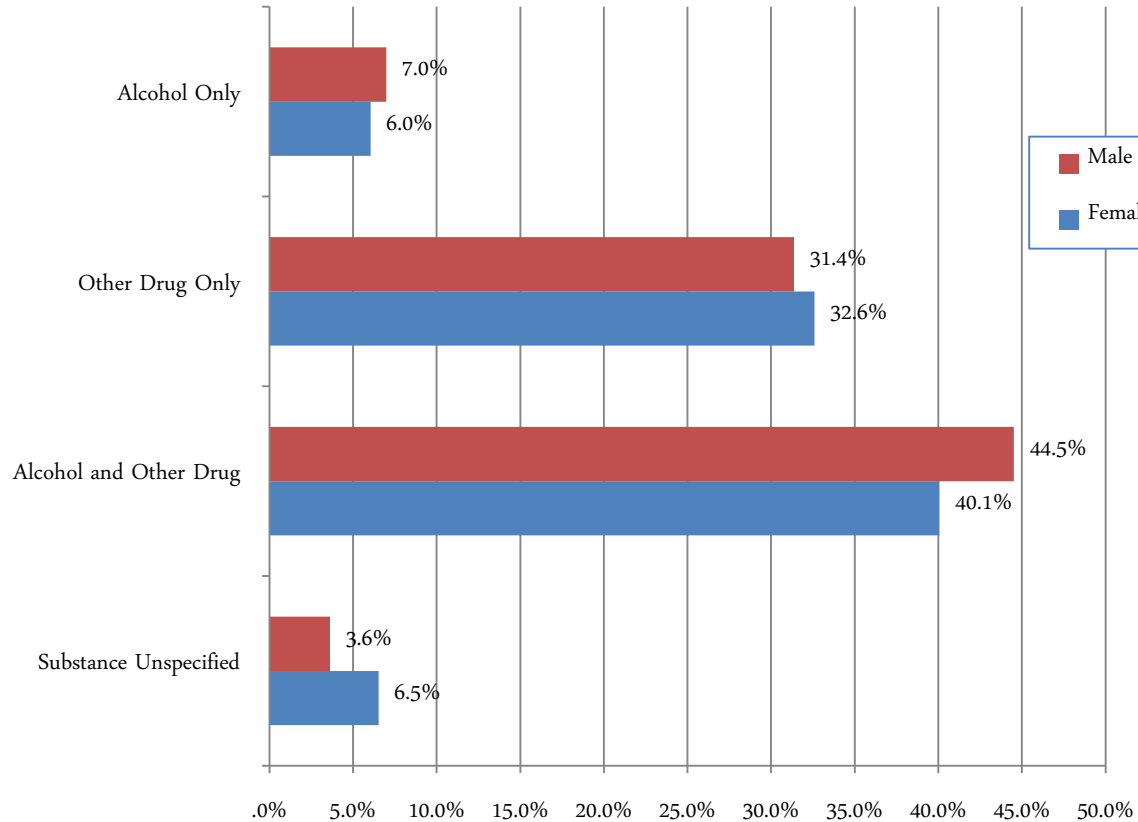
# Substance Behavior by Age of Consumer

## Cuyahoga County, FY 2007– FY 2009 Average



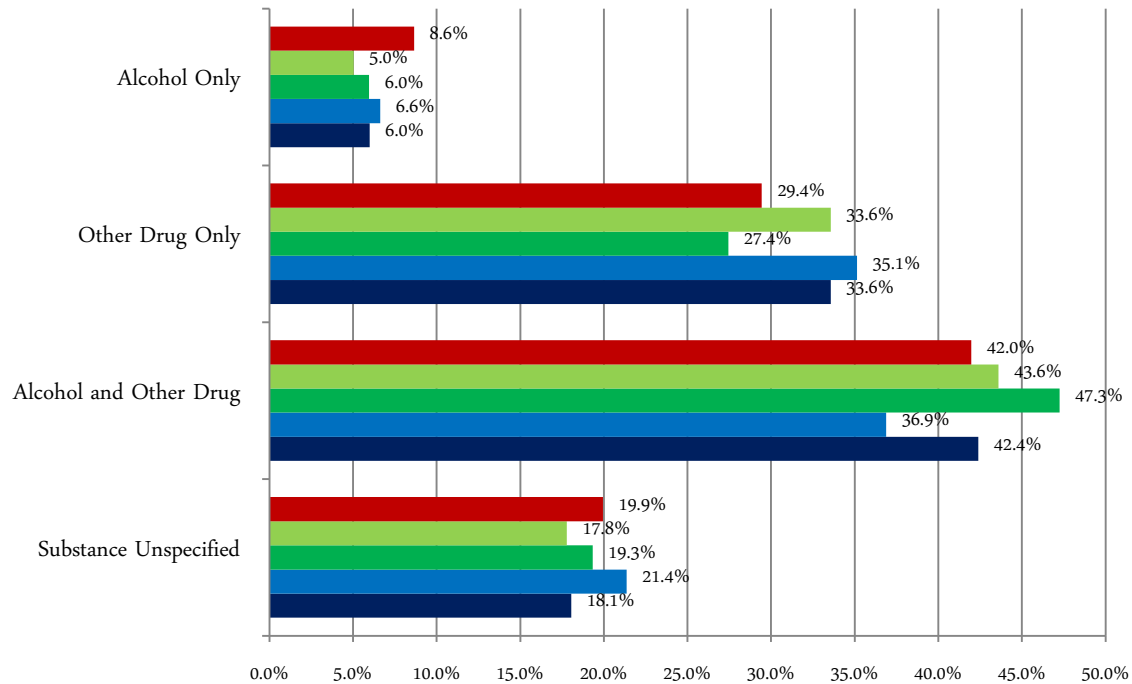
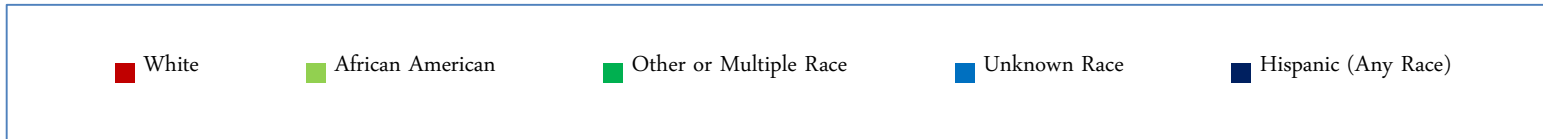
# Substance Behavior by Gender of Consumer

## Cuyahoga County, FY 2007– FY 2009 Average



# Substance Behavior by Consumer Race and Ethnicity

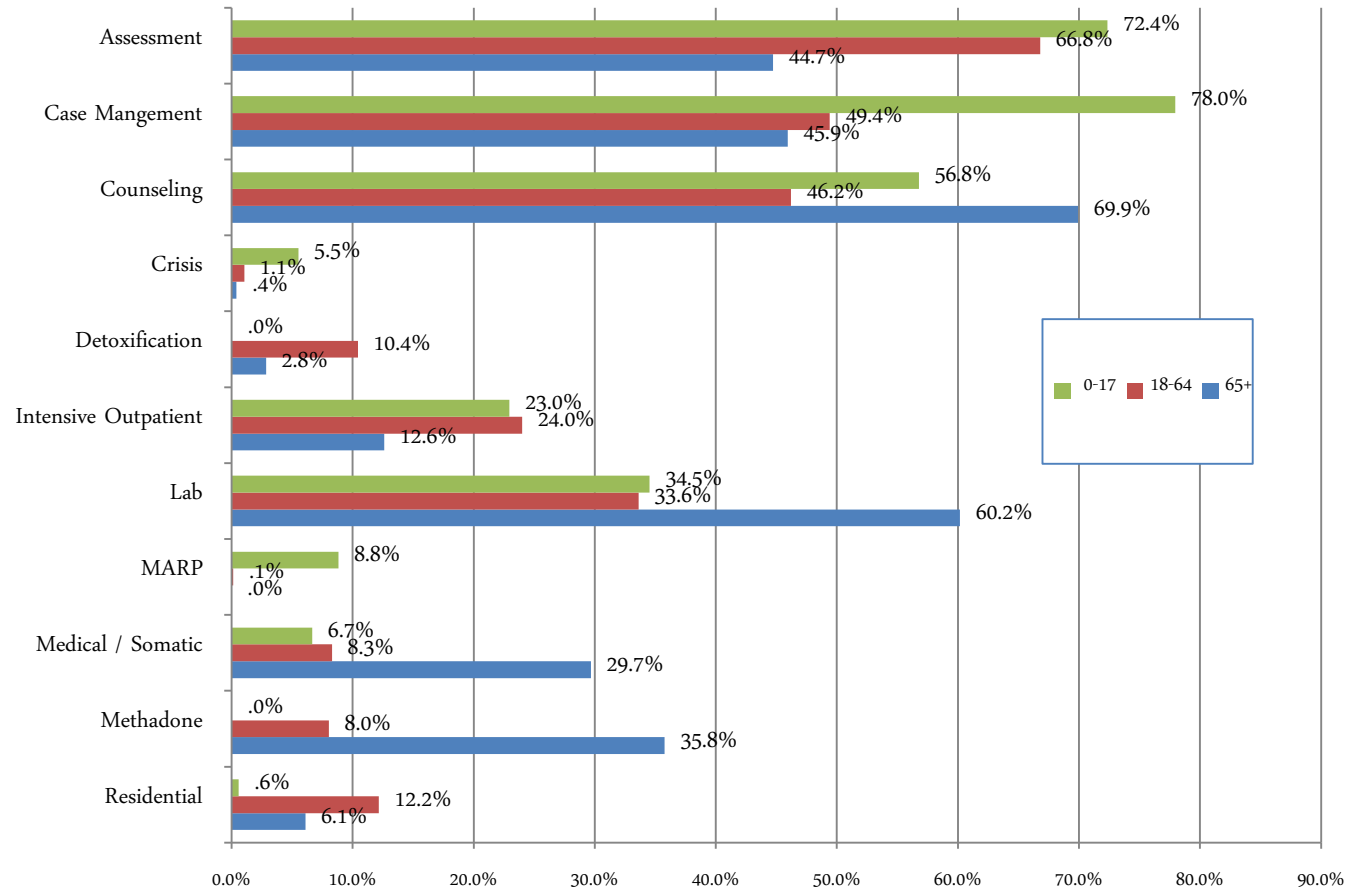
Cuyahoga County, FY 2007– FY 2009 Average



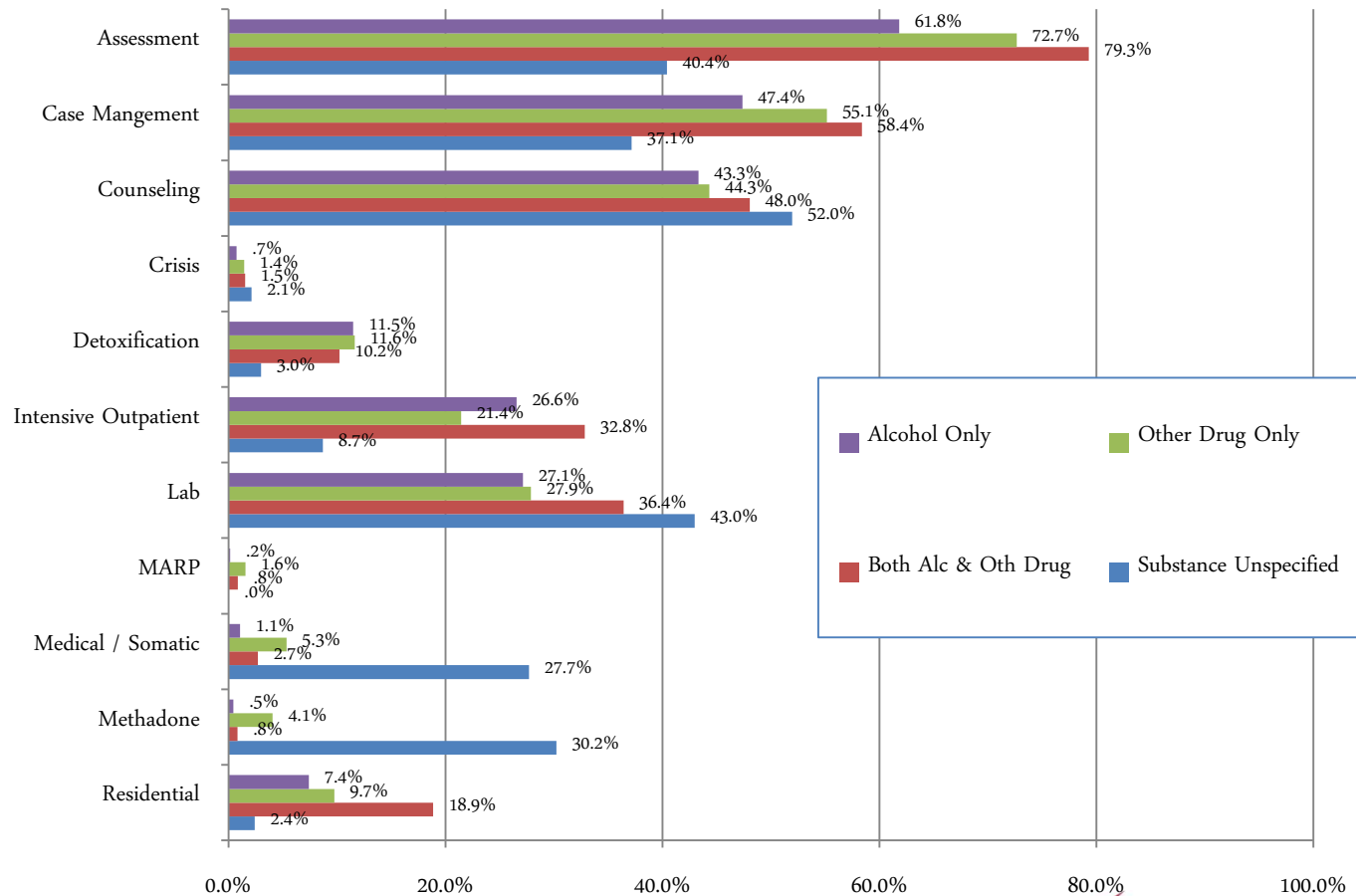
# Alcohol / Drug Addiction Services Received

# Alcohol/Drug Services Received by Age of Consumer

Cuyahoga County, FY 2007– FY 2010 Average



# Alcohol/Drug Services Received By Consumer's Substance Behavior Cuyahoga County, FY 2007– FY 2010 Average

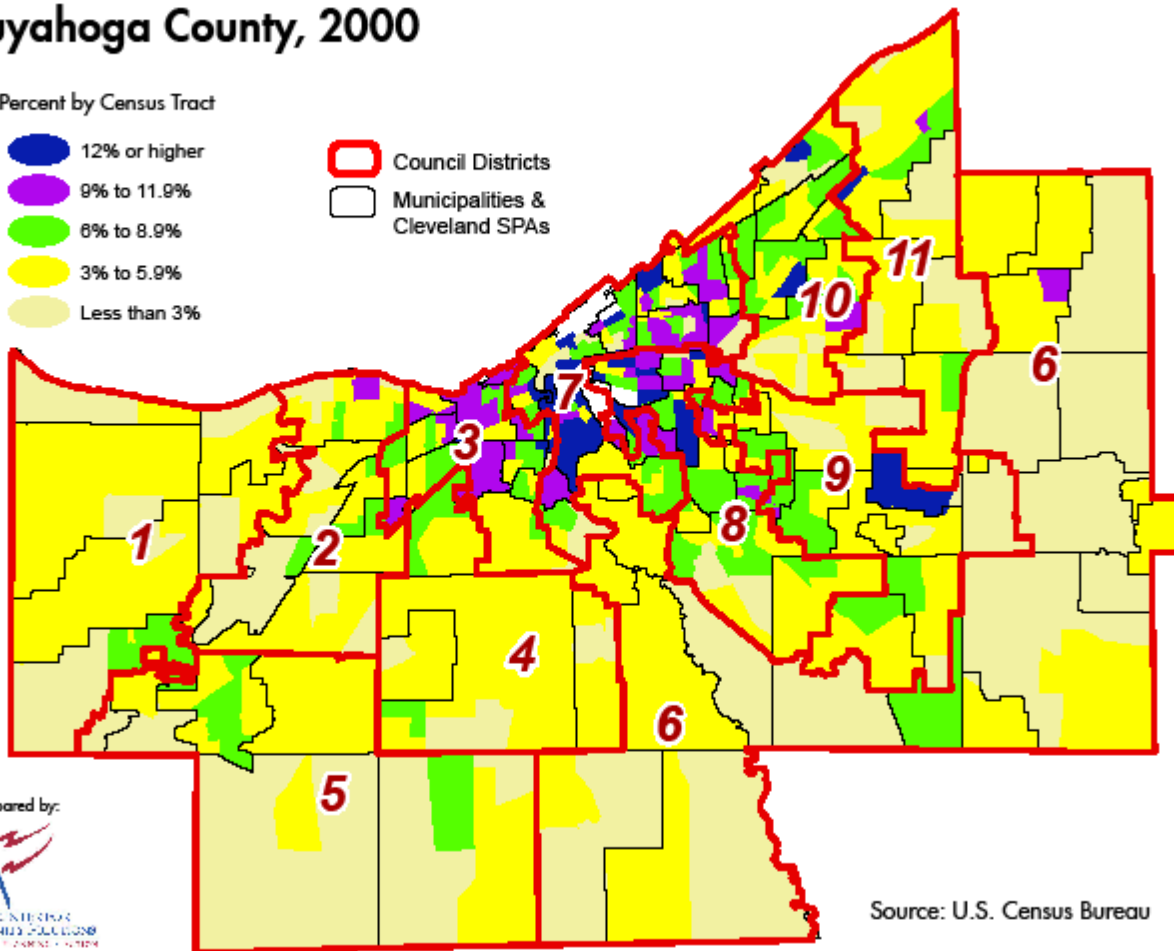
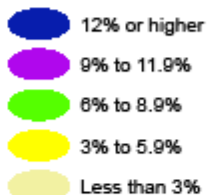


# Geographic Distribution of Persons in Need and Consumers



## Percent of Population With A Mental Disability Cuyahoga County, 2000

Percent by Census Tract



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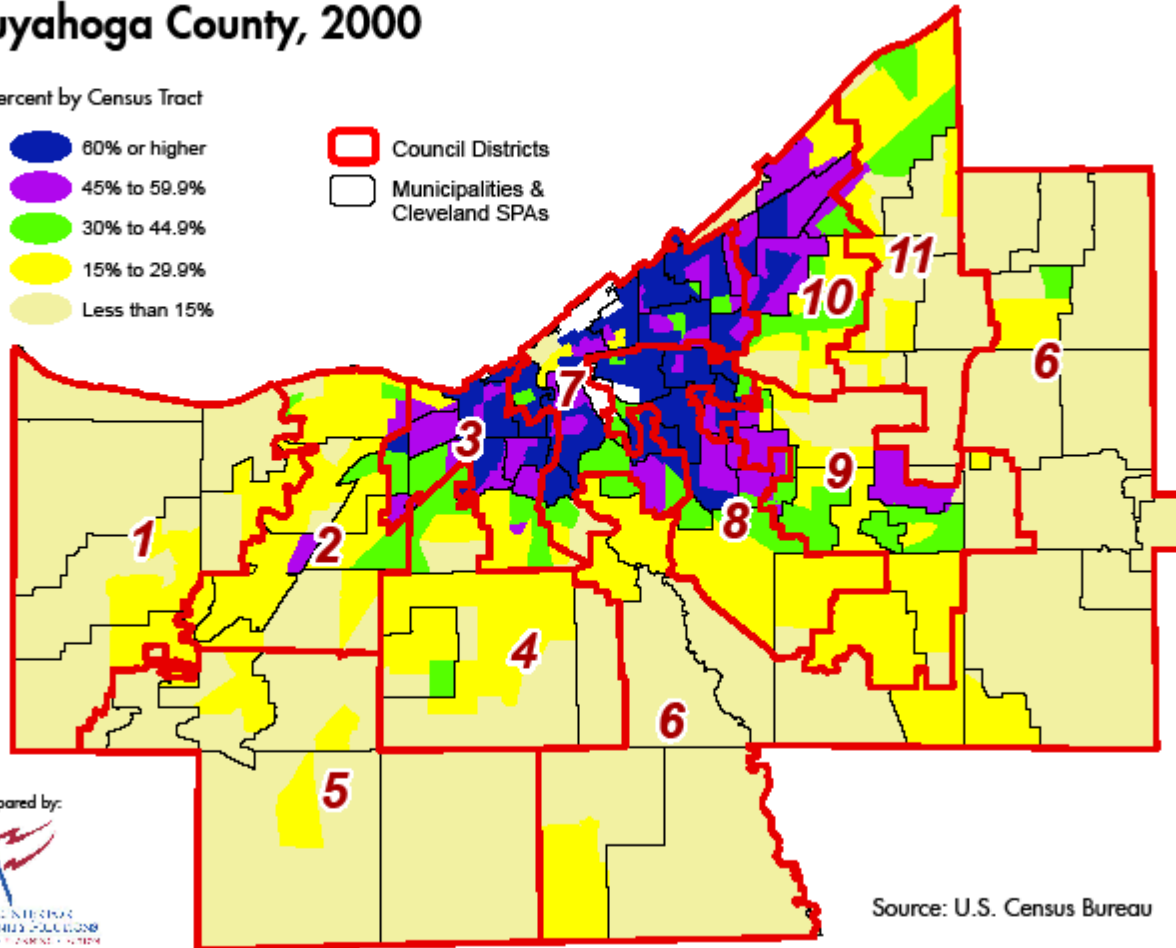
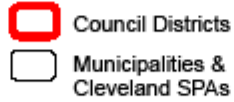
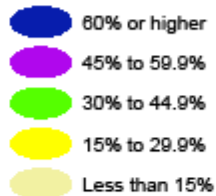


Source: U.S. Census Bureau

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## Percent of Population Below 200% of Poverty Cuyahoga County, 2000

Percent by Census Tract



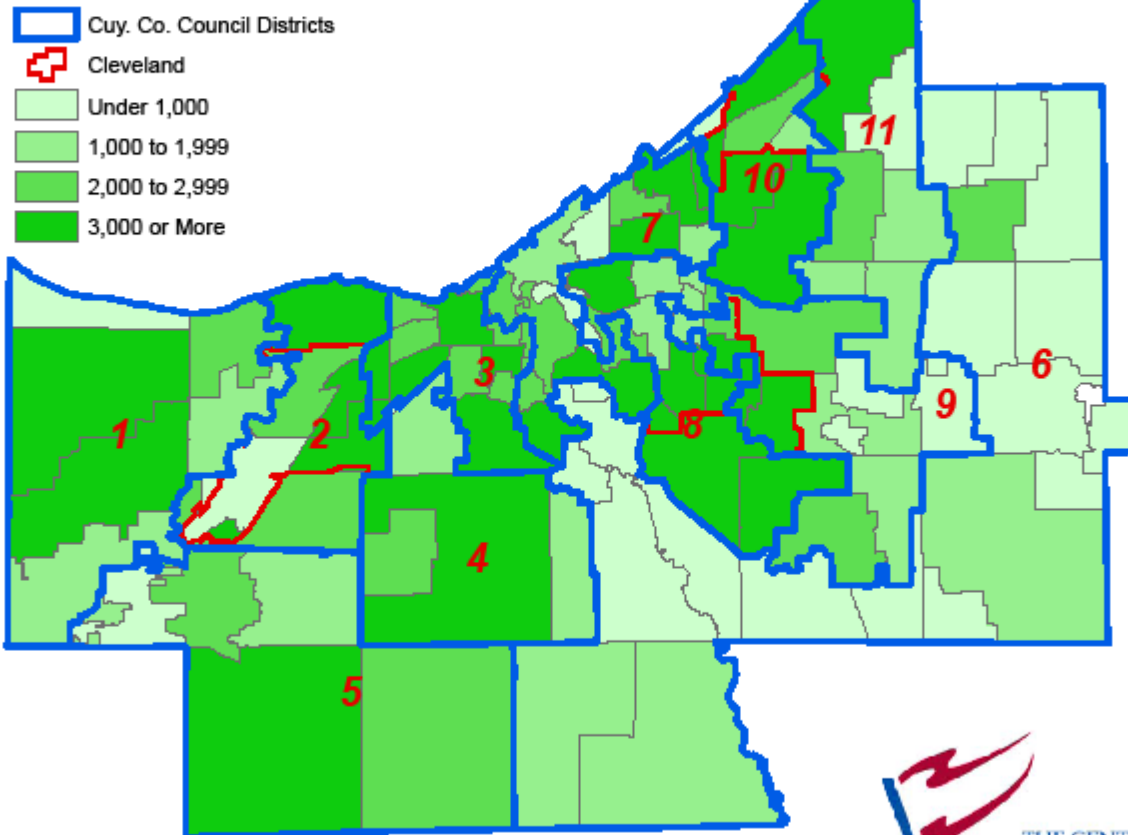
Prepared by:



Source: U.S. Census Bureau

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## Estimated Number of Persons with Moderate to Serious Mental Disorders Ages 5 and Over, All Income Levels, 2006-08 Average









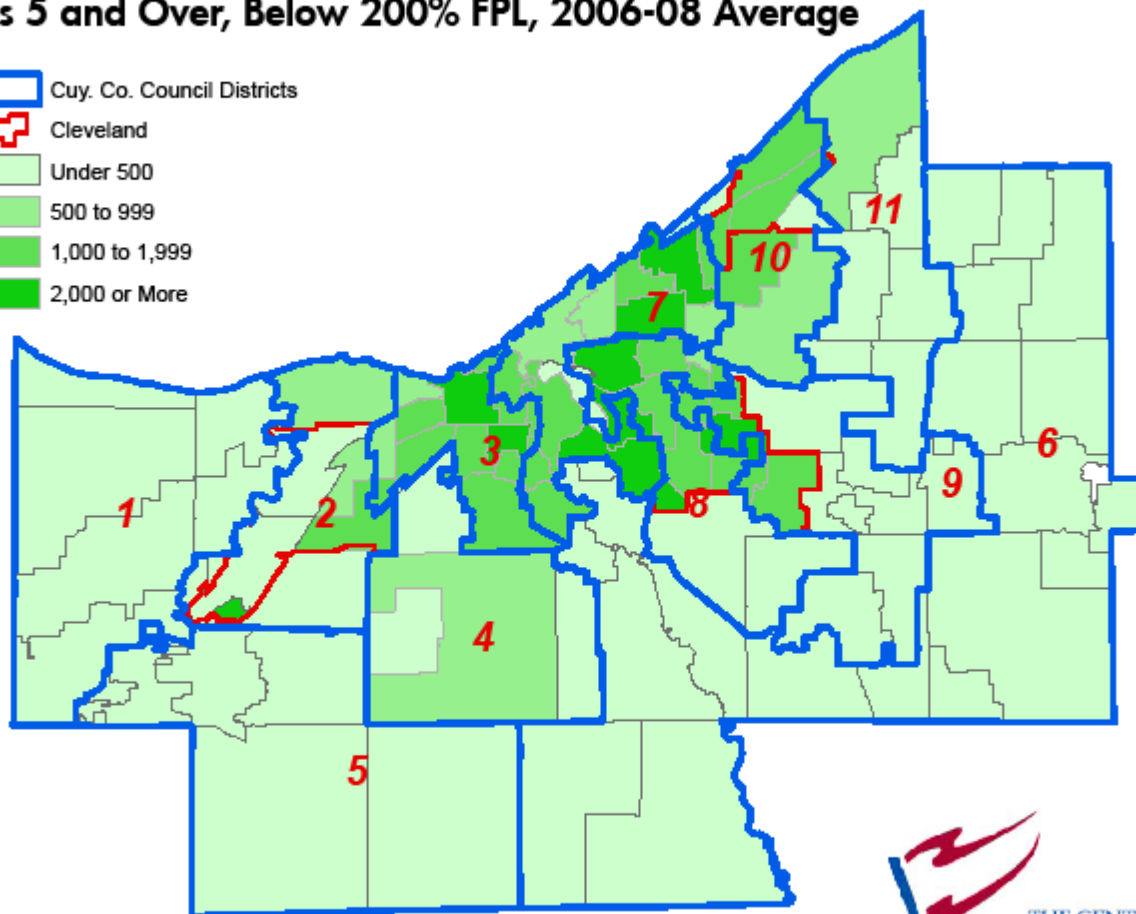
Sources: National Institute of Mental Health,  
U.S. Census Bureau



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## Estimated Number of Persons with Moderate to Serious Mental Disorders Ages 5 and Over, Below 200% FPL, 2006-08 Average

-  Cuy. Co. Council Districts
-  Cleveland
-  Under 500
-  500 to 999
-  1,000 to 1,999
-  2,000 or More



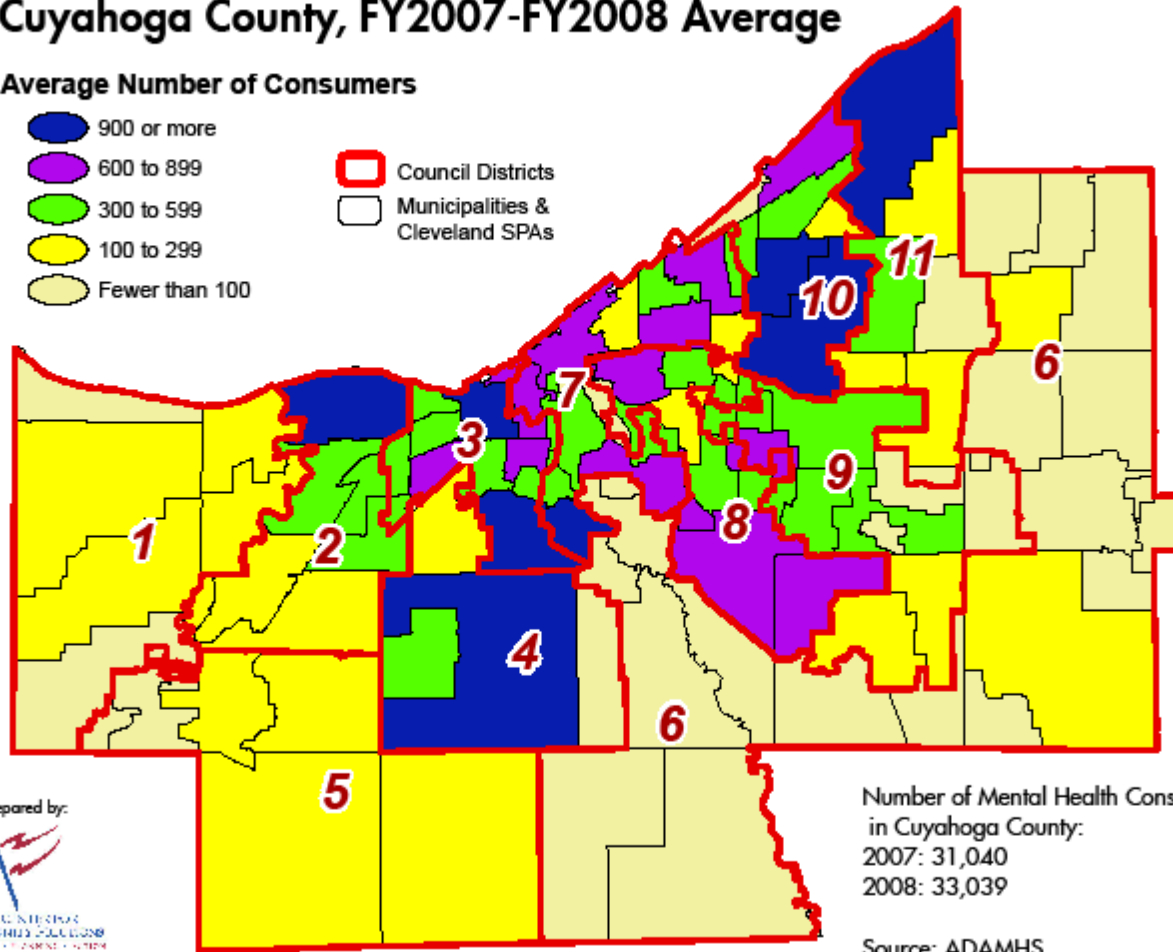
Sources: National Institute of Mental Health,  
U.S. Census Bureau



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# ADAMHS Mental Health Consumers Cuyahoga County, FY2007-FY2008 Average

## Average Number of Consumers



Prepared by:



Number of Mental Health Consumers  
 in Cuyahoga County:  
 2007: 31,040  
 2008: 33,039

Source: ADAMHS

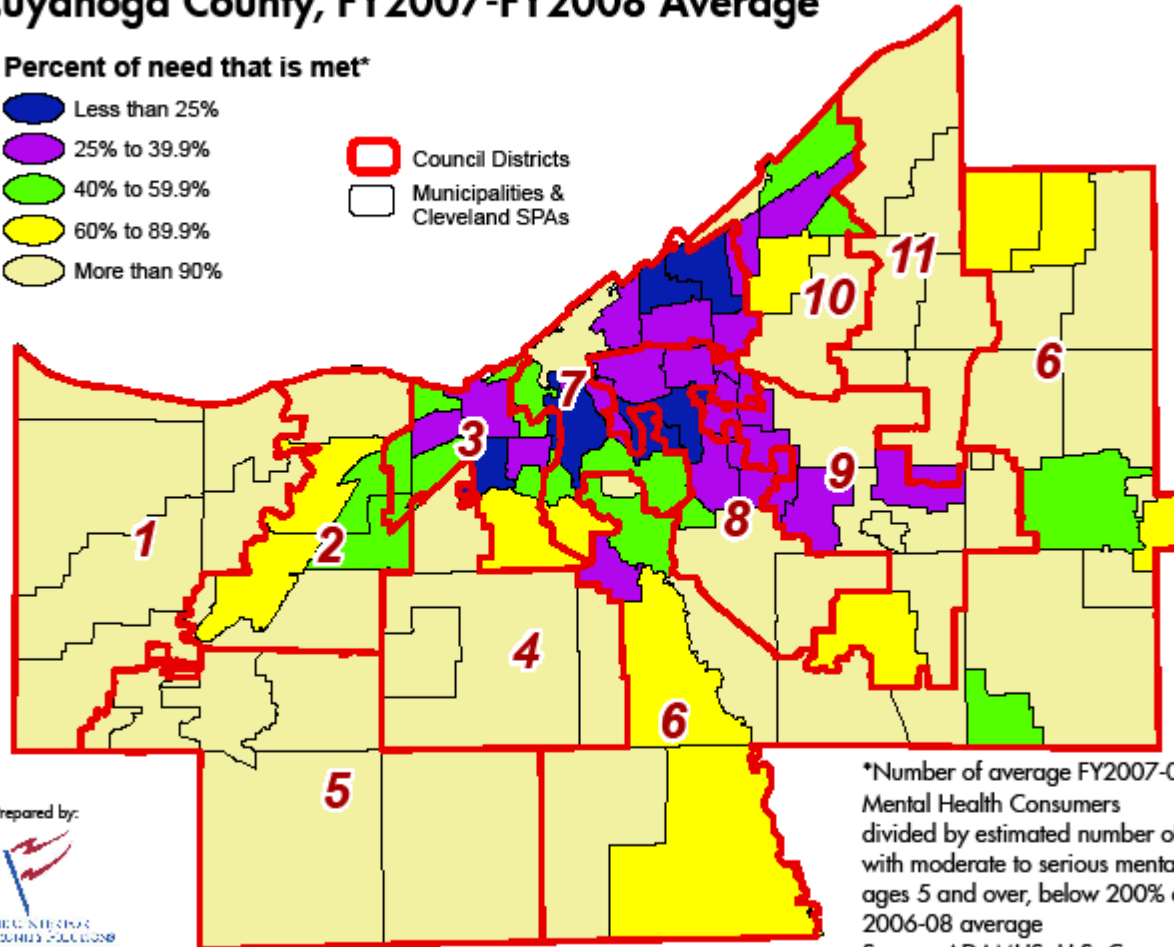
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# ADAMHS Mental Health Consumers Met Need Cuyahoga County, FY2007-FY2008 Average

Percent of need that is met\*

- Less than 25%
- 25% to 39.9%
- 40% to 59.9%
- 60% to 89.9%
- More than 90%

- Council Districts
- Municipalities & Cleveland SPAs



Prepared by:

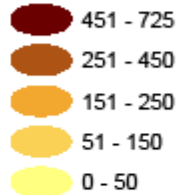


\*Number of average FY2007-08 Mental Health Consumers divided by estimated number of persons with moderate to serious mental disorders ages 5 and over, below 200% of poverty, 2006-08 average  
Source: ADAMHS, U.S. Census Bureau, National Institute of Mental Health

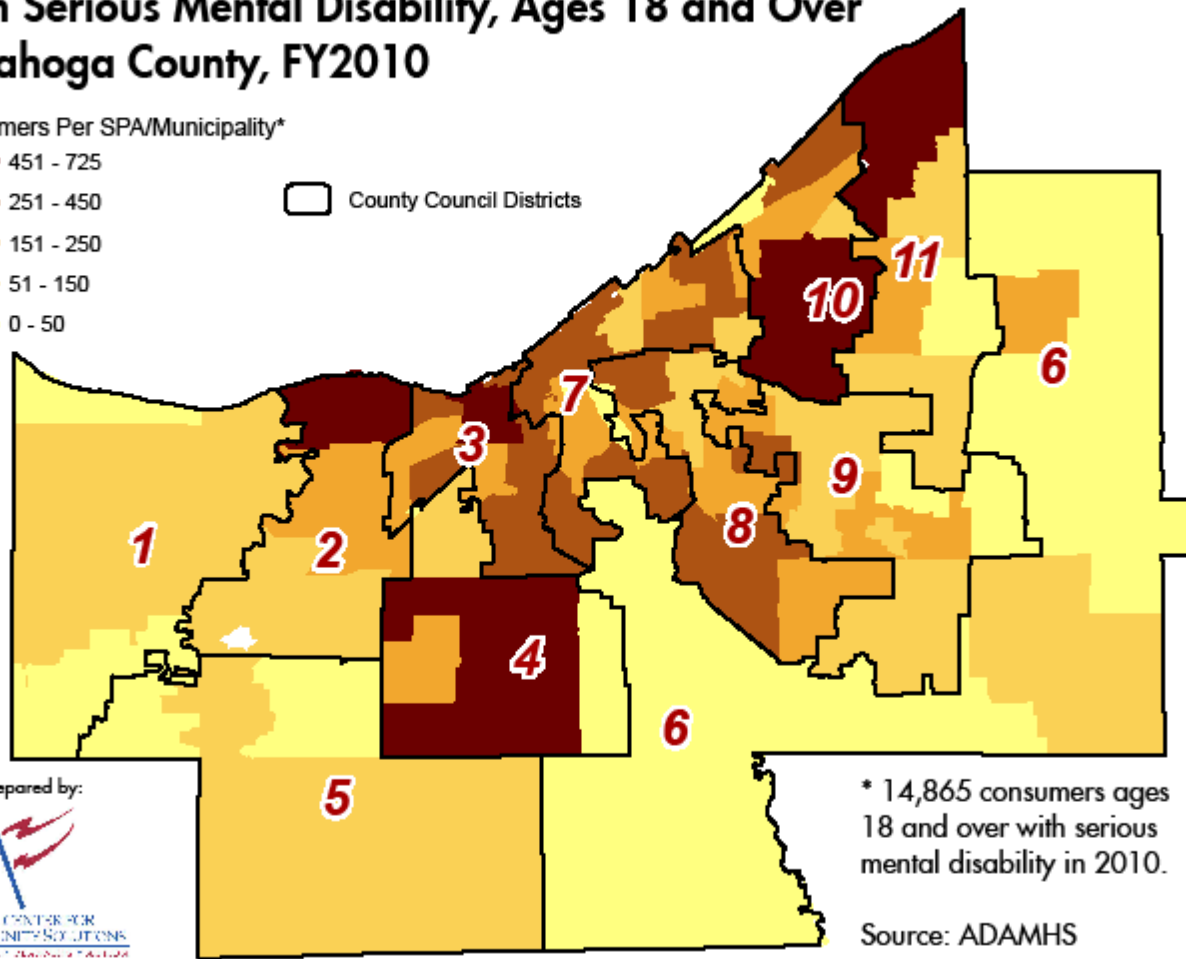
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# ADAMHS Mental Health Consumers With Serious Mental Disability, Ages 18 and Over Cuyahoga County, FY2010

Consumers Per SPA/Municipality\*



County Council Districts



Prepared by:

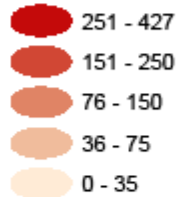


\* 14,865 consumers ages 18 and over with serious mental disability in 2010.

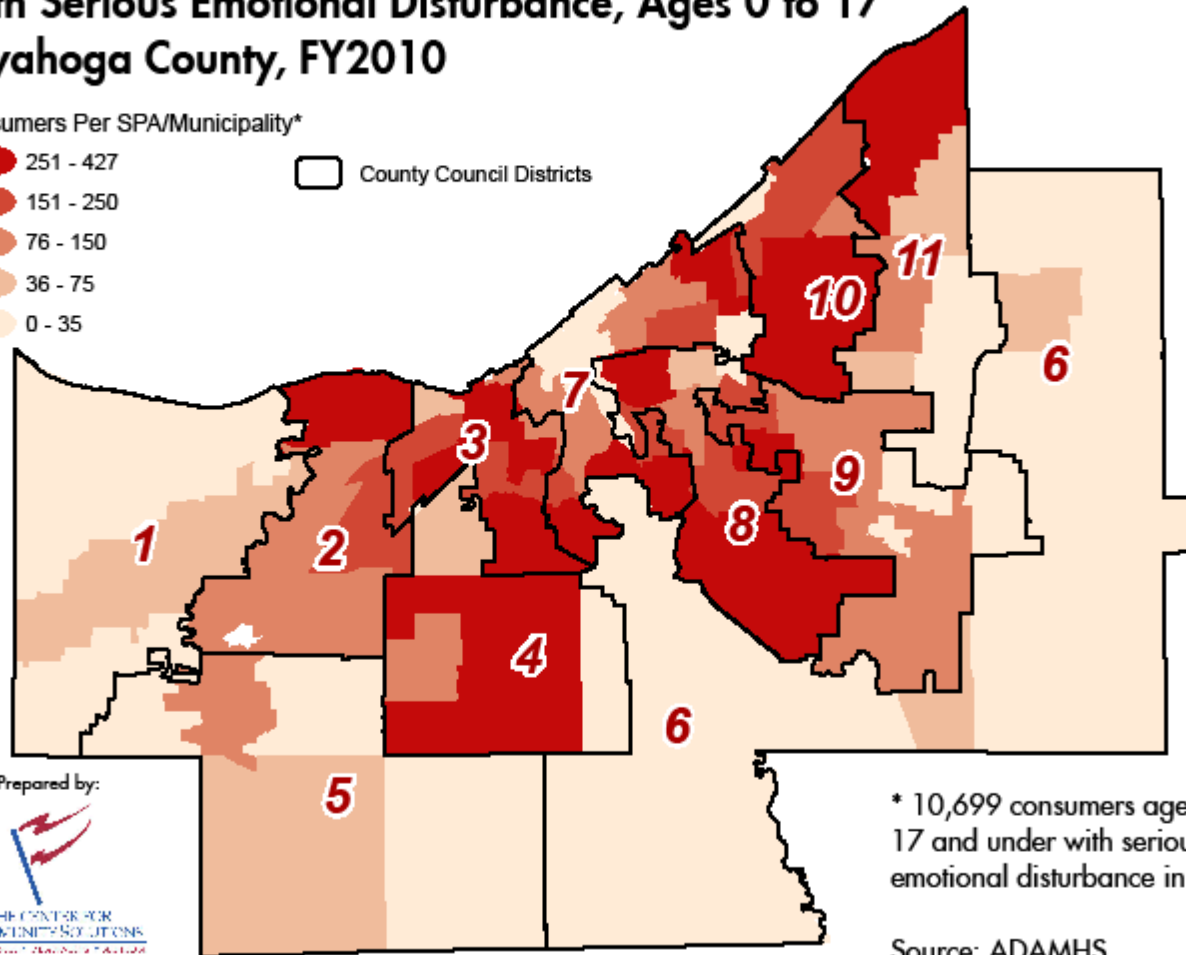
Source: ADAMHS

# ADAMHS Mental Health Consumers With Serious Emotional Disturbance, Ages 0 to 17 Cuyahoga County, FY2010

Consumers Per SPA/Municipality\*



County Council Districts



Prepared by:



\* 10,699 consumers ages 17 and under with serious emotional disturbance in 2010.

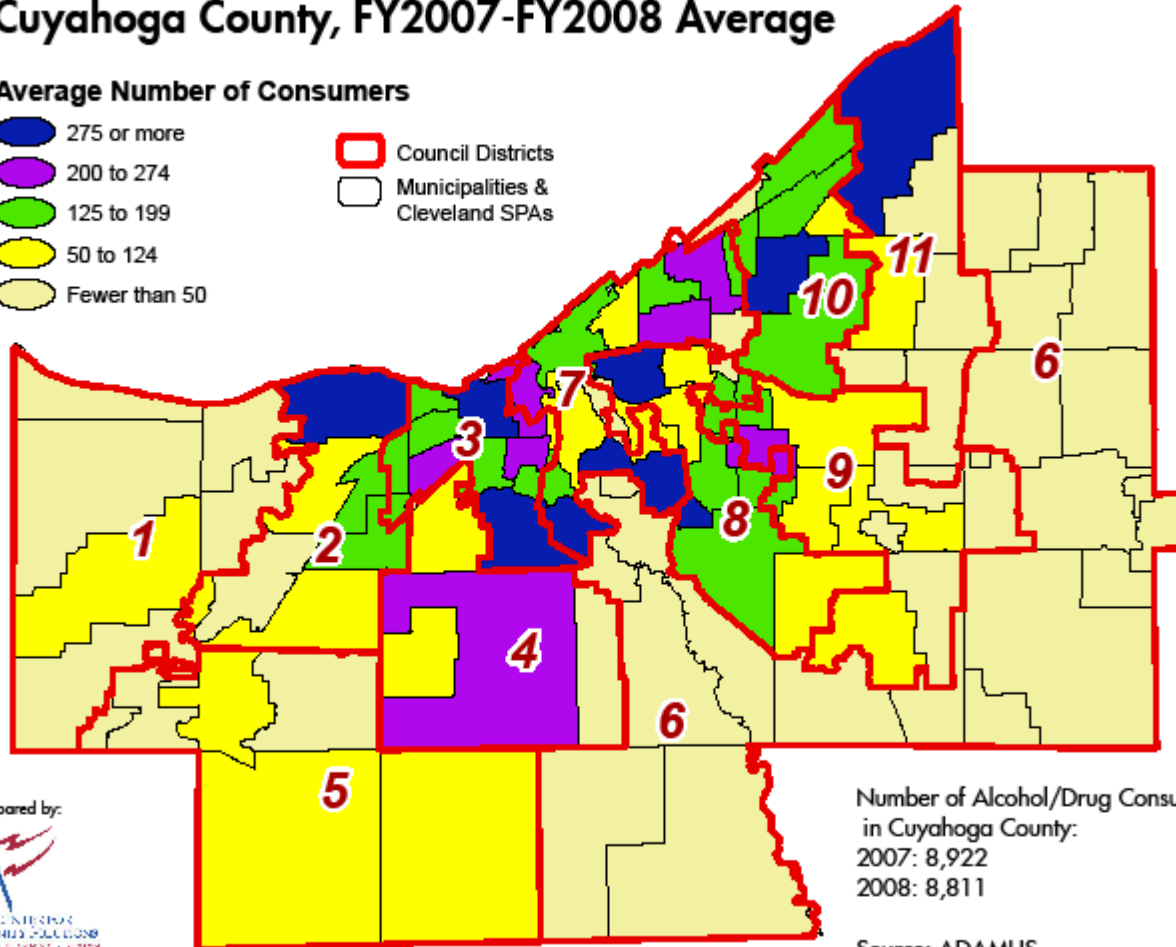
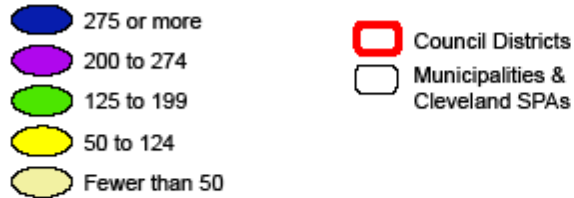
Source: ADAMHS

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## ADAMHS Alcohol/Drug Consumers Cuyahoga County, FY2007-FY2008 Average

### Average Number of Consumers



Prepared by:



Number of Alcohol/Drug Consumers  
in Cuyahoga County:  
2007: 8,922  
2008: 8,811

Source: ADAMHS

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# Additional Research

**By the Numbers:**  
Developing a Common  
Understanding for the Future  
of Behavioral Health Care.

JANUARY 2011



**By the Numbers:**  
Developing a Common  
Understanding for the Future  
of Behavioral Health Care.

January, 2011

Prepared by:

The Mental Health Advocacy Coalition and  
The Center for Community Solutions

[http://www.communitysolutions.com/assets/1/Page/MHAC\\_StudyDoc\\_012011.pdf](http://www.communitysolutions.com/assets/1/Page/MHAC_StudyDoc_012011.pdf)

