



# MATANUSKA-SUSITNA (MAT-SU) TABLE OF FIGURES

- Figure 1 Map of Behavioral Health Systems Assessment Reporting Regions ..... 5
- Figure 2 Mat-Su Adult Behavioral Health Issues Prevalence (2013)..... 6
- Figure 3 Mat-Su Adult Behavioral Health Issues Prevalence by Gender (2013) ..... 6
- Figure 4 Mat-Su Adult Behavioral Health Issues Prevalence by Race (2013).....7
- Figure 5 Alaska and Mat-Su Adults Behavioral Health Issues Prevalence (2013)..... 8
- Figure 6 Alaska Youth SUD Prevalence Estimates for Alcohol or Illicit Drug Dependence or Abuse, Ages 12-17 2002-2003 to 2012-2013..... 9
- Figure 7 Alaska Youth SUD Prevalence Estimates for Alcohol or Illicit Drug Dependence or Abuse by DBH Planning Region, Ages 12-17, 2008-2010 and 2010-2012 .....10
- Figure 8 Estimated Prevalence or Serious Emotional Disturbance (SED) Among Children Ages 9-17 .....11
- Figure 9 Youth Behavior Health Risk Behaviors and Issues Prevalence Indicator Methodology12
- Figure 10 Mat-Su Youth Behavioral Health Risk Prevalence (2013) .....13
- Figure 11 Mat-Su Youth Behavioral Health Risk Prevalence by Gender (2013) .....13
- Figure 12 Mat-Su Youth Behavioral Health Risk Prevalence by Race (2013) .....14
- Figure 13 Alaska and Matanuska-Susitna Borough Prevalence of Youth Behavioral Health Risk Behaviors and Issues.....15
- Figure 14 Alaska Total Number of Clients Served with Support from State Medicaid and Behavioral Health Funds by Region (SFY 2013) ..... 16
- Figure 15 Alaska Total Number of Clients Served with Support from State Medicaid and Behavioral Health Funds by Provider Type (SFY 2013).....17
- Figure 16 Percentage of Clients Served In and Outside of Client’s Home Region (2013).....18
- Figure 17 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis (State Fiscal Years 2009-2013) ..... 19
- Figure 18 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Gender (State Fiscal Years 2009 & 2013) ..... 20
- Figure 19 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013) .....21

Figure 20 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013) .....	22
Figure 21 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis (State Fiscal Years 2009-2013) .....	23
Figure 22 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Gender (State Fiscal Years 2009 & 2013) .....	24
Figure 23 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013) .....	25
Figure 24 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013) .....	26
Figure 25 Number and Rate (per 1,000 Persons) of Alaska Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013 .....	27
Figure 26 Number and Rate (per 1,000 Persons) of Alaska Adult Males and Females Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013 .....	28
Figure 27 Number and Rate (per 1,000 Persons) of White Adults and American Indian/Alaska Native Adults Served With Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013 .....	29
Figure 28 Total Annual Medicaid Payments for Behavioral Health Clients by Region 2009-2013 .....	30
Figure 29 Per Capita Medicaid Payments for Behavioral Health Clients by Region .....	31
Figure 30 Average Annual Medicaid Payments per Behavioral Health Client by Region 2009-2013.....	31
Figure 31 DBH Treatment and Recovery Awards by Region SFY2013 .....	32
Figure 32 Per Capita Treatment and Recovery Awards Grant by Region SYF2013.....	33

# Acknowledgements



This assessment and accompanying series of data reports are the product of many years of effort and would not have been possible without a small army of individuals. Agnew::Beck and Hornby Zeller Associates would like to express our gratitude to our data committee members, as well as the many staff from the Alaska Department of Health Social Services Division of Behavioral Health and Section of Chronic Disease and Health Promotion who helped inform and/or assisted with the production these reports. These individuals are listed below. Two individuals, in particular, dedicated tremendous time and energy to these efforts and we could not be more appreciative of their wisdom and constant support over the course of the past year plus. Thank you, Kathleen Carls and Michael Baldwin!

## DATA COMMITTEE MEMBERS

Name	Role	Organization
Kathleen Carls	Research Unit Manager Policy and Planning Section	State of Alaska Division of Behavioral Health
Mark Haines-Simeon	<i>Former</i> Policy & Planning Section Manager	State of Alaska Division of Behavioral Health
Melissa Kemberling	Director of Programs	Mat-Su Health Foundation
Michael Baldwin	Evaluation and Planning Officer and Contract Lead	Alaska Mental Health Trust Authority
Pat Sidmore	Planner	Alaska Mental Health Board / Advisory Board on Alcoholism and Drug Abuse
Shaun Wilhem	Chief of Risk and Research Management	State of Alaska Division of Behavioral Health

We would also like to thank Bill Herman, Former Senior Program Officer at the Alaska Mental Health Trust Authority, who was instrumental in the early data planning phases of this project.

## Additional Data Team Contributors

Name	Role	Organization
Charles Utermohle	Public Health Data Analyst	State of Alaska Section of Chronic Disease Prevention and Health Promotion
Daniel Collison	Research Analyst	State of Alaska Division of Behavioral Health
Gail Stolz	Public Health Data Analyst	State of Alaska Section of Chronic Disease Prevention and Health Promotion
Ian Sexton	Analyst/Programmer	State of Alaska Division of Behavioral Health
Ken Boegli	Research Analyst	State of Alaska Division of Behavioral Health
Laura Sanbei	Project Assistant	State of Alaska Division of Behavioral Health
Michael Walker	Information System Coordinator	State of Alaska Division of Behavioral Health
Patrick Swiger	Training Specialist	State of Alaska Division of Behavioral Health
Randy Burton	Research Analyst	State of Alaska Division of Behavioral Health
Sarah Shafer	Public Health Data Analyst	State of Alaska Section of Chronic Disease Prevention and Health Promotion
Terry Hamm	Medicaid and Quality Section Tribal Medicaid Liaison	State of Alaska Division of Behavioral Health

We also received valuable input and insights from a number of DBH Program Staff throughout the course of this effort as we sought to make sense of the data and we are very grateful for the time and efforts of these individuals.

### REGIONAL DATA REPORTS: BRIEF OVERVIEW OF ANALYSES AND SOURCES

Hornby Zeller Associates, Inc. (HZA) led the quantitative analyses for this project. A quantitative data committee, led by Kathleen Carls, DBH's Research Unit Manager, worked closely with the contract team throughout the direction of this project to ensure the accuracy and integrity of the data produced and to assist with analyses. Agnew::Beck worked closely with DBH and HZA to coordinate quality assurance and to develop the tables and charts included in this report.

#### *Reporting Regions*

Borough and census area boundaries were used to create reporting regions with at least 20,000 residents for each of the five years considered in this analysis to ensure compliance with HIPAA reporting requirements for protected health information. These regions have been used historically by DBH when conducting regional analyses. Reporting regions and their corresponding population estimates for each of the years covered by this analysis are illustrated in Figure 1.

#### *Prevalence Tables*

Together with DBH, the project team produced the following:

- Adults: Regional and statewide estimates of the number of Alaska adults that have behavioral health issues were generated statewide and for each region.
- Youth: Regional and statewide estimates of the prevalence of reported risk behaviors among high school students, including rates for having a substance use risk behavior present; a substance use moderate/high risk behavior; a past year mental health issue; a past year mental health issue and substance use moderate/high risk behavior present.
- Youth: Regional and statewide estimates of children ages 9-12 with Severe Emotional Disturbance.
- Youth: Statewide prevalence rates for youth ages 12-17 who needed treatment for illicit drug or alcohol use in the past year (Substance Use Disorder).

### *Sources*

- Substance Abuse Prevalence Rates: SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health, 2009-2010 (revised 3/12), and 2011; Alaska NSDUH, DBH Special Data Request April 2014.
- Mental Health and Co-Occurring Prevalence Rates: SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health, 2009-2011 (revised 10/13); Alaska NSDUH, DBH Special Data Request April 2014.
- Alaska Youth Risk Behavior Survey, Section of Chronic Disease Prevention and Health Promotion, Division of Public Health, Alaska Department of Health and Social Services, 2015.
- Alaska Department of Labor 2013 population estimates by gender, age and race for each reporting region.
- U.S. Census Poverty data.

### *Service Utilization and Cost Analyses*

The project team analyzed data from Alaska’s various administrative systems to determine the services used, by whom, where and at what cost between State Fiscal Years 2009 and 2013. To facilitate analysis, HZA developed a Microsoft Access database capable of merging and de-duplicating the records from the sources listed above. Agnew::Beck helped to coordinate extensive quality assurance efforts with HZA and DBH to ensure integrity and accuracy of all reports.

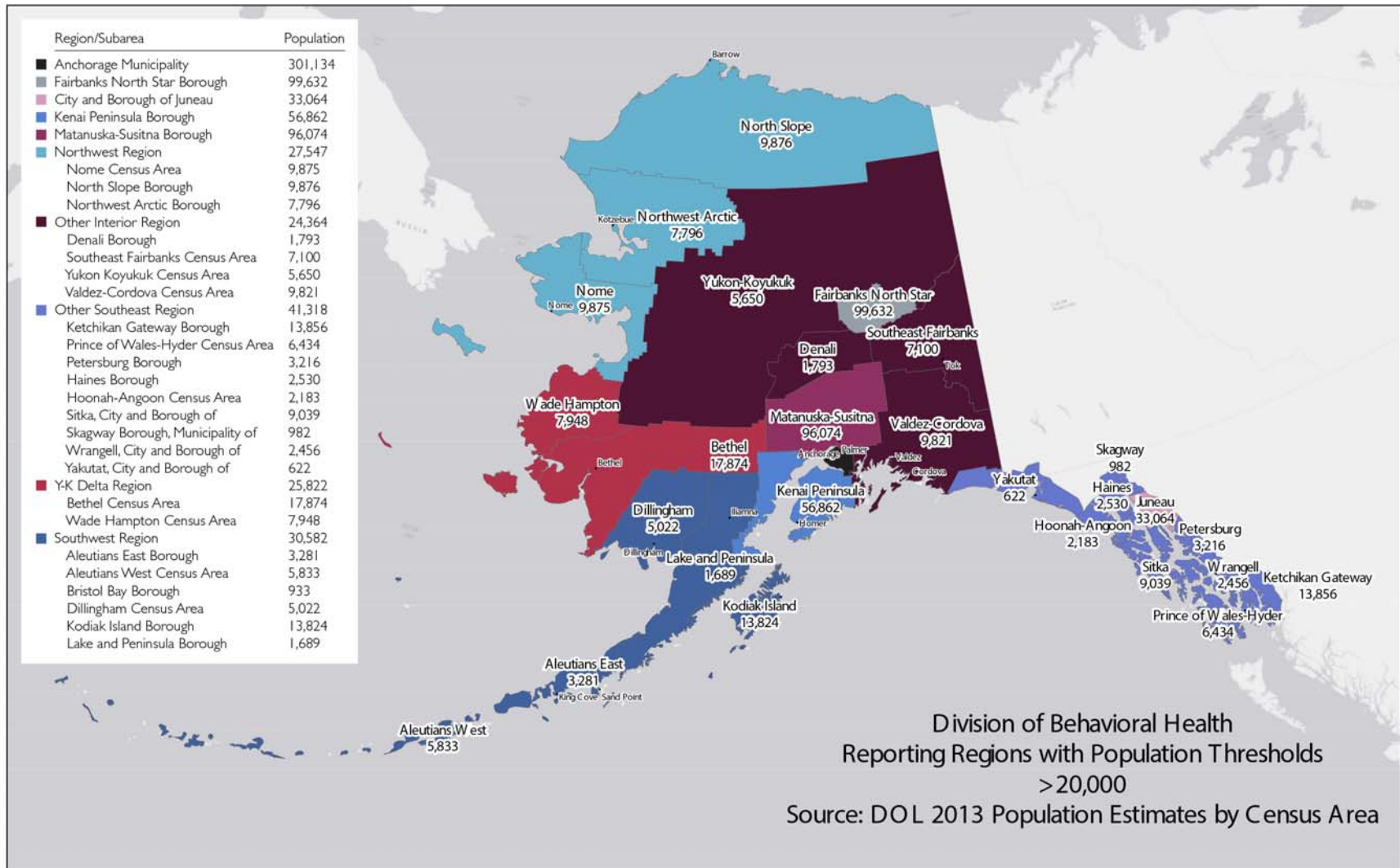
### *Sources*

2009-2013 data extracts of the following data sets were used:

- The Alaska Medicaid Management Information System (MMIS) Juneau Claims and Eligibility or “JUICE” database,
- Alaska’s Automated Information Management System (AKAIMS), including data from agencies that submit data through an electronic data interface (EDI);
- Alaska Psychiatric Institute’s (API) electronic health record system, Meditech; and,
- Division of Behavioral Health’s Designated Evaluation and Treatment (DET) Program database.

- The Medicaid JUCE dataset included claims data for all individuals who received services from behavioral health-specific provider types and for individuals who received services from other providers of behavioral health services and had a primary or secondary behavioral health diagnosis. The DET dataset included only clients who received hospital services that were paid for by the Division of Behavioral Health (clients receiving only transport services were excluded). The API Meditech dataset included only partial data for 2009. The Alaska Department of Health and Social Services' Division of Behavioral Health provided all data.
- Division of Behavioral Health 2013 Grant Award Data.

**Figure 1 Map of Behavioral Health Systems Assessment Reporting Regions**





# Adult Prevalence Estimates

Figure 2 Mat-Su Adult Behavioral Health Issues Prevalence (2013)

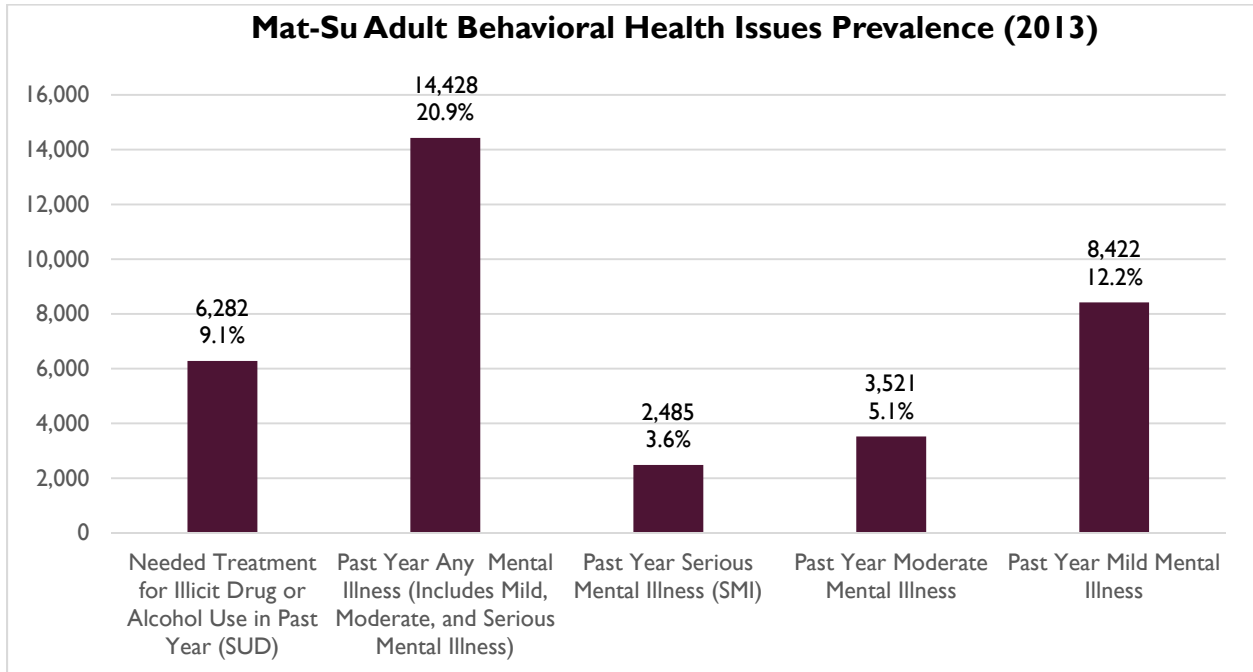
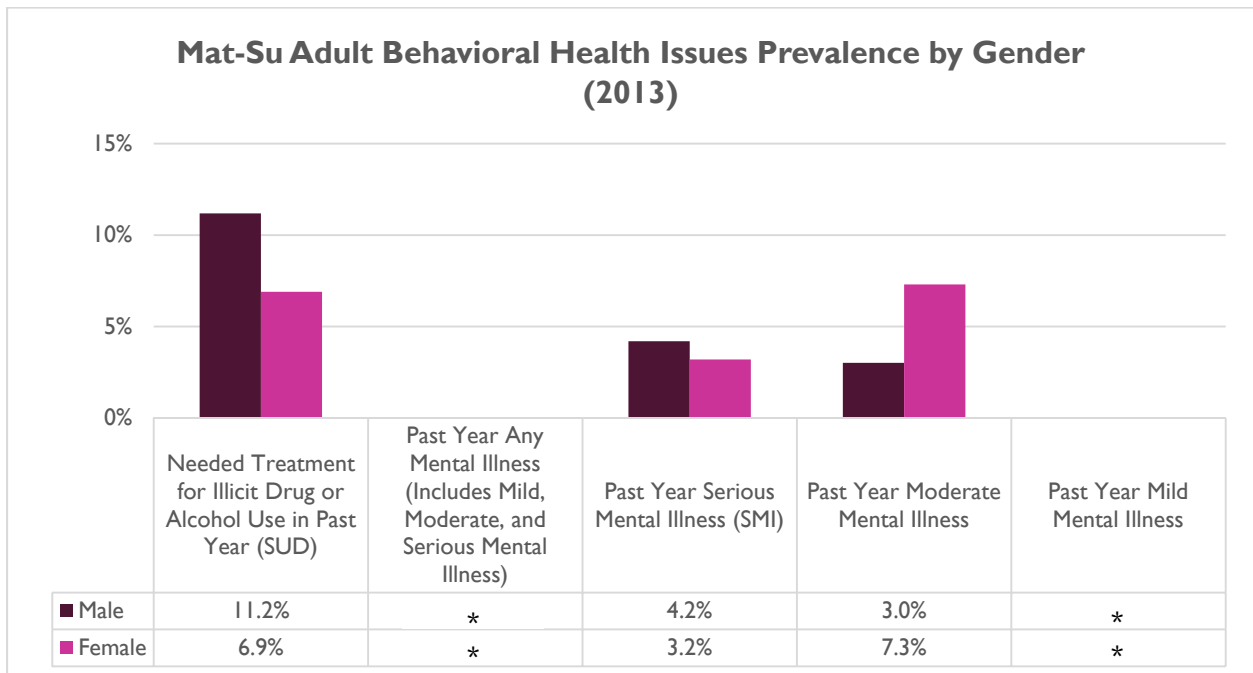
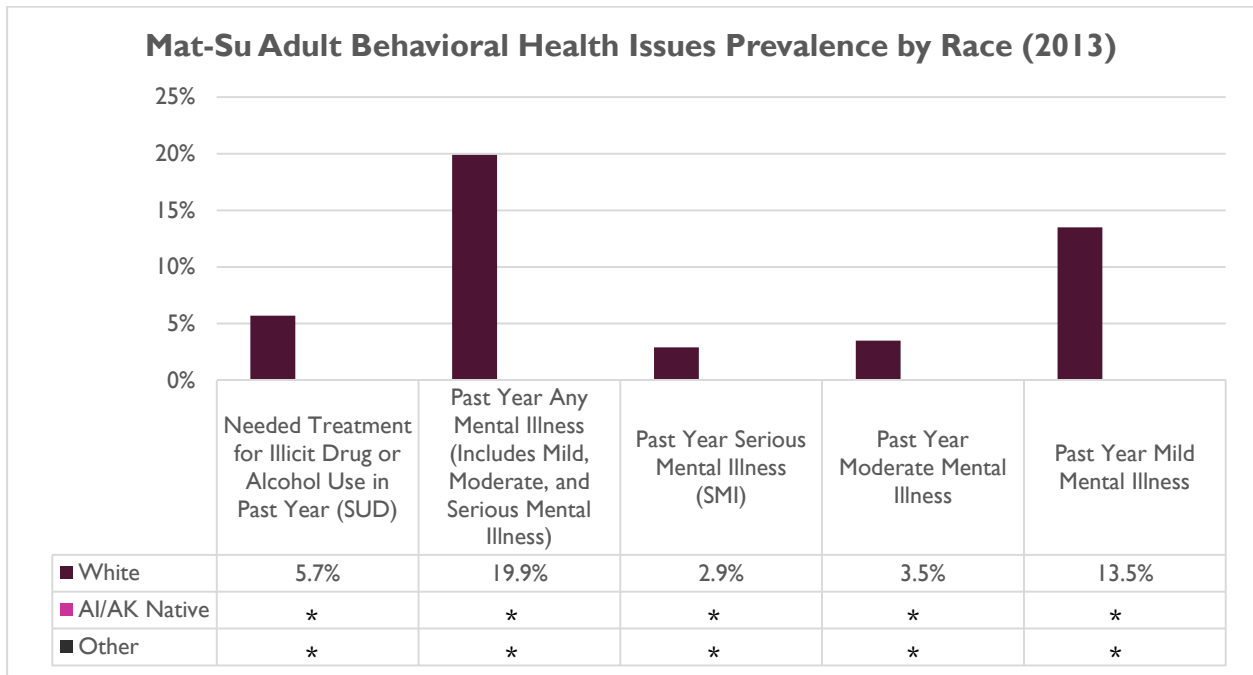


Figure 3 Mat-Su Adult Behavioral Health Issues Prevalence by Gender (2013)



**Figure 4 Mat-Su Adult Behavioral Health Issues Prevalence by Race (2013)**



**Figure 5 Alaska and Mat-Su Adults Behavioral Health Issues Prevalence (2013)**

<b>Alaska and Mat-Su Adult Behavioral Health Issues Prevalence</b>											
Total Population (2013)	Needed Treatment for Illicit Drug or Alcohol Use in Past Year (SUD)		Past Year Any Mental Illness <i>(Includes Mild, Moderate, and Serious Mental Illness)</i>		Past Year Serious Mental Illness (SMI)		Past Year Moderate Mental Illness		Past Year Mild Mental Illness		
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	
<b>Adults</b>											
Alaska	546,215	11.5%	62,815	19.4%	105,966	3.9%	21,302	4.3%	23,487	11.2%	61,176
Mat-Su	69,032	9.1%	6,282	20.9%	14,428	3.6%	2,485	5.1%	3,521	12.2%	8,422
<b>Mat-Su – Adults by Gender</b>											
Male	35,436	11.2%	3,964	*	*	4.2%	1,488	3.0%	1,068	*	*
Female	33,596	6.9%	2,318	*	*	3.2%	1,075	7.3%	2,453	*	*
<b>Mat-Su – Adults By Race**</b>											
White	60,185	5.7%	3,431	19.9%	11,977	2.9%	1,745	3.5%	2,106	13.5%	8,125
AI or AK Native	6,190	*	*	*	*	*	*	*	*	*	*
Other	2,657	*	*	*	*	*	*	*	*	*	*

Notes: Rates are based on Alaska-specific National Survey on Drug Use and Health (NSDUH) data for the adult (18+) population. The survey is conducted annually by the Substance Abuse and Mental Health Services Administration (SAMHSA) using a sampling methodology in order to estimate prevalence. SAMHSA, CBHSQ 2009-2011 estimated annual average prevalence rates for the DBH Planning Regions were applied to the associated Reporting Regions. The region rates were then multiplied by the DOL 2013 populations estimates to determine the estimated 2013 prevalence numbers. The asterisks (\*) indicates data suppressed by CBHSQ due to low precision. In some instances, it was possible to estimate a suppressed value by calculated the rate based on the estimated 2013 prevalence numbers. All cells calculated with this methodology are highlighted in blue and should be considered with extra caution.

CBHSQ classified respondents as needing treatment for an illicit drug or alcohol problem if they met at least one of three criteria during the past year: (1) dependent on illicit drugs or alcohol; (2) abuse of illicit drugs or alcohol; or (3) received treatment for illicit drug or alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient], or mental health center). Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, including data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. Mental Illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder that met the criteria found in the 4th edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). Three categories of mental illness severity are defined based on the level of functional impairment: mild mental illness, moderate mental illness, and serious mental illness. Any mental illness includes persons in any of the three categories.

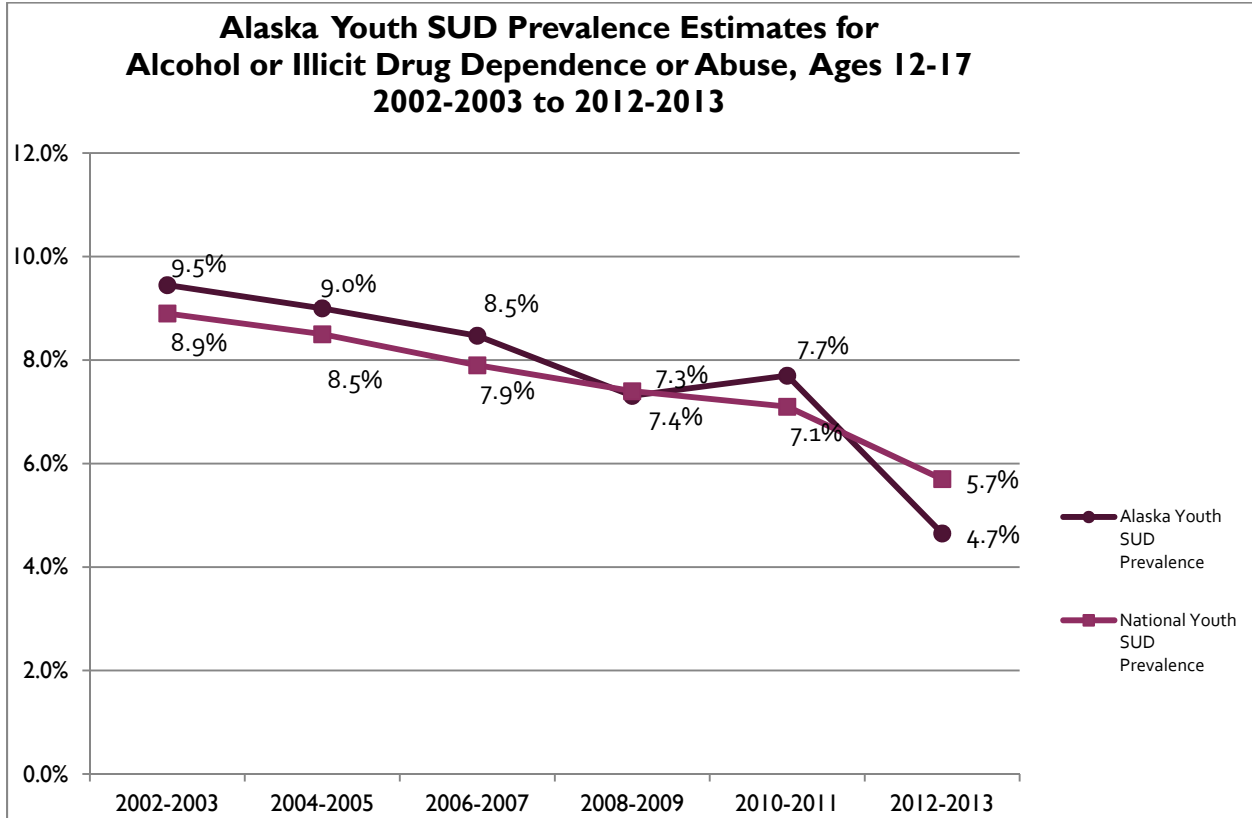
\*\*Other Race includes Black or African American, Native Hawaiian or Other Pacific Islander, Asian, and Two or More Races with no selection of American Indian or Alaskan Native.

Source for Substance Abuse Prevalence Rates: SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health, 2009-2010 (revised 3/12), and 2011; Alaska NSDUH, DBH Special Data Request April 2014.

Source for Mental Health and Co-Occuring Prevalence Rates: SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health, 2009-2011 (revised 10/13); Alaska NSDUH, DBH Special Data Request April 2014.

# Youth Prevalence Estimates

Figure 6 Alaska Youth SUD Prevalence Estimates for Alcohol or Illicit Drug Dependence or Abuse, Ages 12-17 2002-2003 to 2012-2013



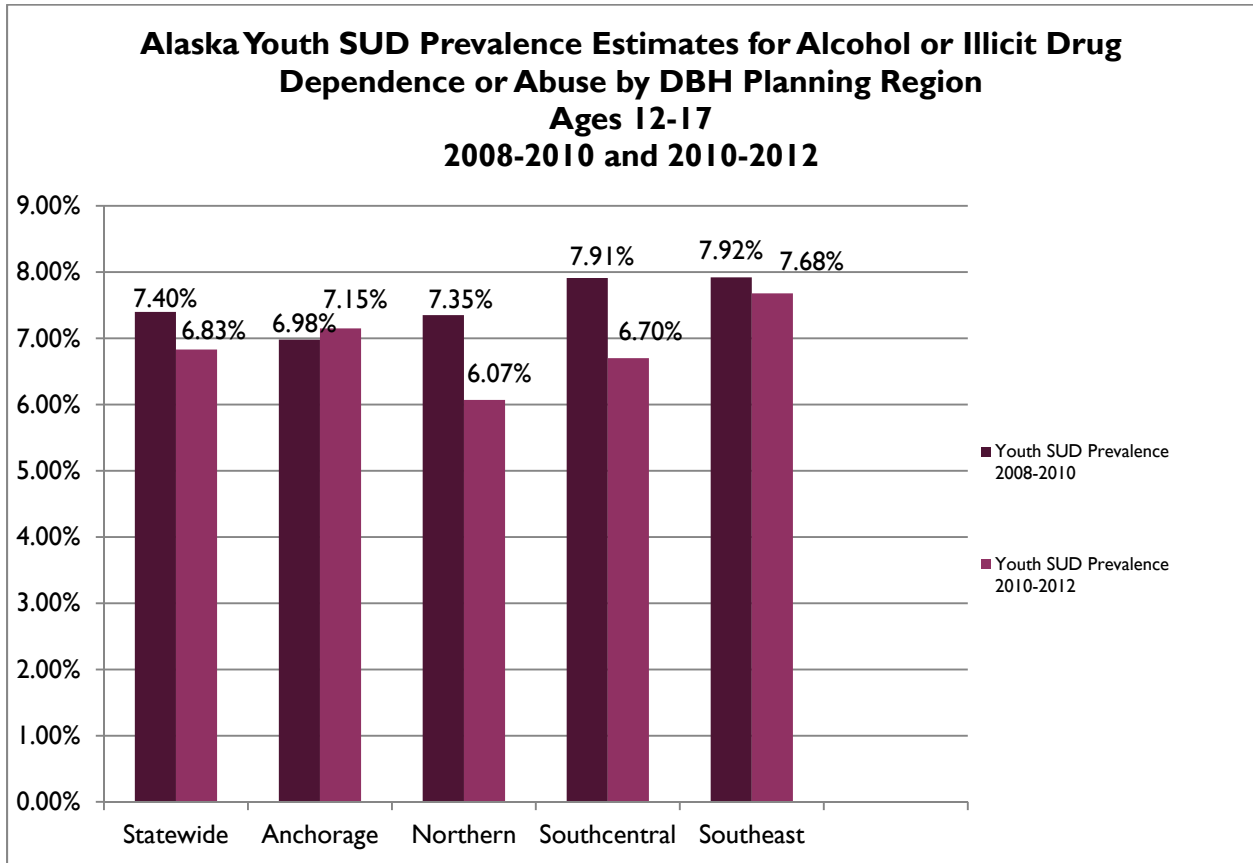
Data from SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health (NSDUH) - Alaska 2 yr State Estimates; provided by the State of Alaska Division of Behavioral Health June 2015.

*NOTE: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. These estimates include data from original methamphetamine questions but not including new methamphetamine items added in 2005 and 2006. See Section B.4.8 in Appendix B of the Results from the 2008 National Survey on Drug Use and Health: National Findings.*

<sup>1</sup>Dependence or Abuse is based on definitions found in the 4th edition of the Diagnostic and Statistical Manual of Mental Health Disorders (DSM-IV)

SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002-2013  
<http://www.samhsa.gov/data/population-data-nsduh/reports>

**Figure 7 Alaska Youth SUD Prevalence Estimates for Alcohol or Illicit Drug Dependence or Abuse by DBH Planning Region, Ages 12-17, 2008-2010 and 2010-2012**



Data from SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health (NSDUH) - Alaska 3 yr State Estimates; provided by the State of Alaska Division of Behavioral Health June 2015.

Anchorage Planning Region corresponds with Municipality of Anchorage Reporting Region.

Northern Planning Region includes Fairbanks, Northwest, Other Interior, and Y-K Delta Reporting Regions.

Southcentral Planning Region includes Southwest, Kenai Peninsula Borough, and Mat-Su Reporting Regions.

Southeast Planning Region includes City and Borough of Juneau and Other Southeast Reporting Region.

Figure 8 Estimated Prevalence or Serious Emotional Disturbance (SED) Among Children Ages 9-17

<b>Estimated Prevalence of Serious Emotional Disturbance (SED)                      Among Children Ages 9-17                      Statewide and by Region</b>					
Region	Percent in poverty age 5-17 SAIPE US Census 2012	Tier *	Rate in poverty with Level of Function score less than or = 50	2013 Population age 9-17 (DOL)	Estimated SED Prevalence Ages 9-17
Alaska	0.130	Low	0.060	92,501	5,550
Anchorage, Municipality of	0.107	Low	0.060	37,151	2,229
Fairbanks North Star Borough	0.122	Low	0.060	11,768	706
Juneau, City and Borough of	0.082	Low	0.060	3,743	225
Kenai Peninsula Borough	0.120	Low	0.060	6,668	400
Matanuska-Susitna Borough	0.106	Low	0.060	13,416	805
Northern Region	0.258	High	0.080	3,934	315
Other Interior Region	0.150	Mid	0.070	3,078	215
Other Southeast Region	0.141	Low	0.060	4,584	275
Y-K Delta Region	0.333	High	0.080	4,605	368
Southwest Region	0.136	Low	0.060	3,549	213
* Rankings are as follows: Low    0% - 14.9%    6% Mid    15.0% - 19.8%    7% High    19.9% and up    8%					

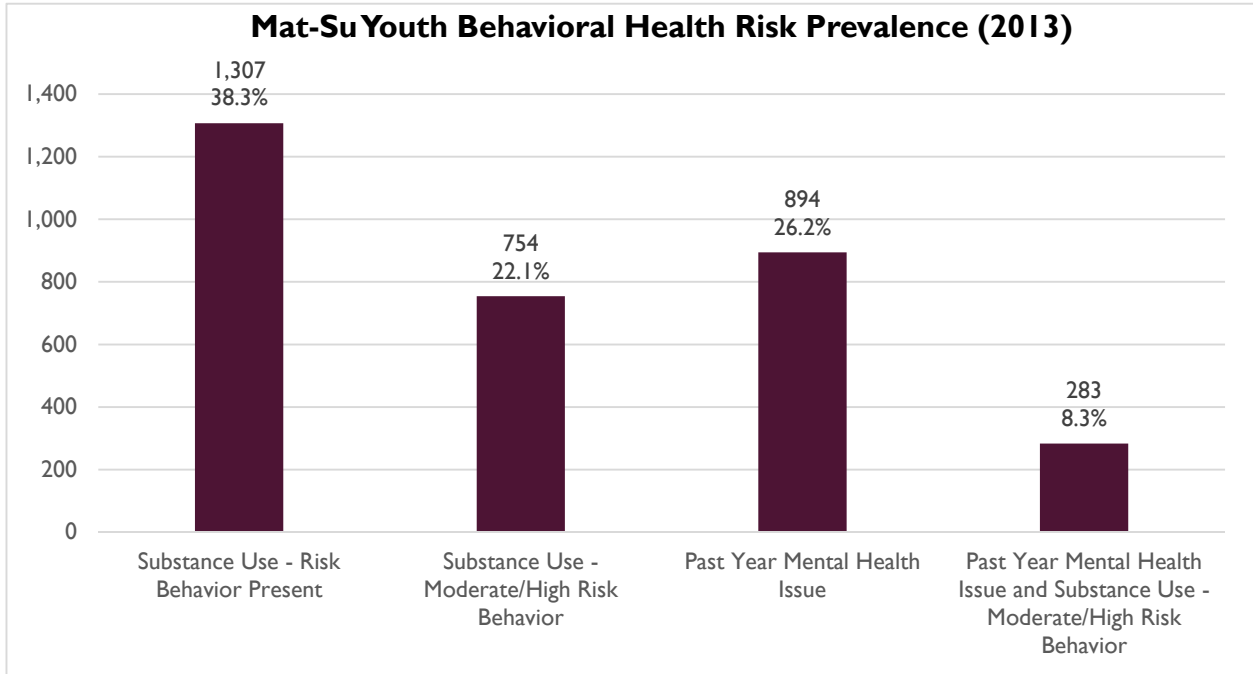
General notes: Estimates of Serious Emotional Disturbance were generated using a methodology recommended by the Center for Mental Health Services (CMHS) for state to state comparisons and adapted to generate rates specific to reporting regions.

# Youth Risk Estimates

**Figure 9 Youth Behavior Health Risk Behaviors and Issues Prevalence Indicator Methodology**

<b>YRBS Variable</b>	<b>Methodology</b>	<b>Interpretation</b>
<b>Substance Use – Risk Behavior Present</b>	Percentage of students who are considered to have a risk behavior present. A respondent was categorized as having a “risk behavior present” if they met the criteria for one or both of the below criteria: Used cocaine, inhalants, heroin, methamphetamines, or ecstasy at least once in their life OR used marijuana, unprescribed drugs, or at least one drink of alcohol on at least one of the past 30 days	This variable is very inclusive and does not necessarily indicate a need for services. However, it does provide a basis for understanding trends in “any substance use” among students. This population would likely benefit from universal prevention activities.
<b>Substance Use – Moderate/High Risk Behavior</b>	Percentage of students who are considered to have moderate/high risk behavior. A respondent was categorized as having “moderate/high risk behavior” if they met the criteria for one or more of the below: Used cocaine, inhalants, heroin, methamphetamines, or ecstasy drugs three or more times for at least one of the drugs in their life OR had five or more drinks of alcohol in a row within a couple of hours two or more times in the past 30 days OR used marijuana and unprescribed drugs three or more times in the past 30 days	This variable was developed to hone in on the student population with moderate to high risk behaviors. Students exhibiting one or more of these criteria may be more likely to need substance use treatment services now or in the future. This population would likely benefit from selective and indicated prevention activities.
<b>Past Year Mental Health Issue</b>	Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months OR who had seriously considered attempting suicide during the past 12 months.	This variable may indicate a need for mental health treatment.
<b>Past Year Mental Health Issue and SUD (COD)</b>	Percentage of students who used marijuana, cocaine, solvents, heroin, methamphetamines, ecstasy, unprescribed drugs five or more times in their life OR who had five or more drinks of alcohol in a row within a couple of hours on at least one of the past 30 days AND who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months OR who had seriously considered attempting suicide during the past 12 months.	This variable captures all students who might need services for both mental health treatment and substance use treatment.

**Figure 10 Mat-Su Youth Behavioral Health Risk Prevalence (2013)**



**Figure 11 Mat-Su Youth Behavioral Health Risk Prevalence by Gender (2013)**

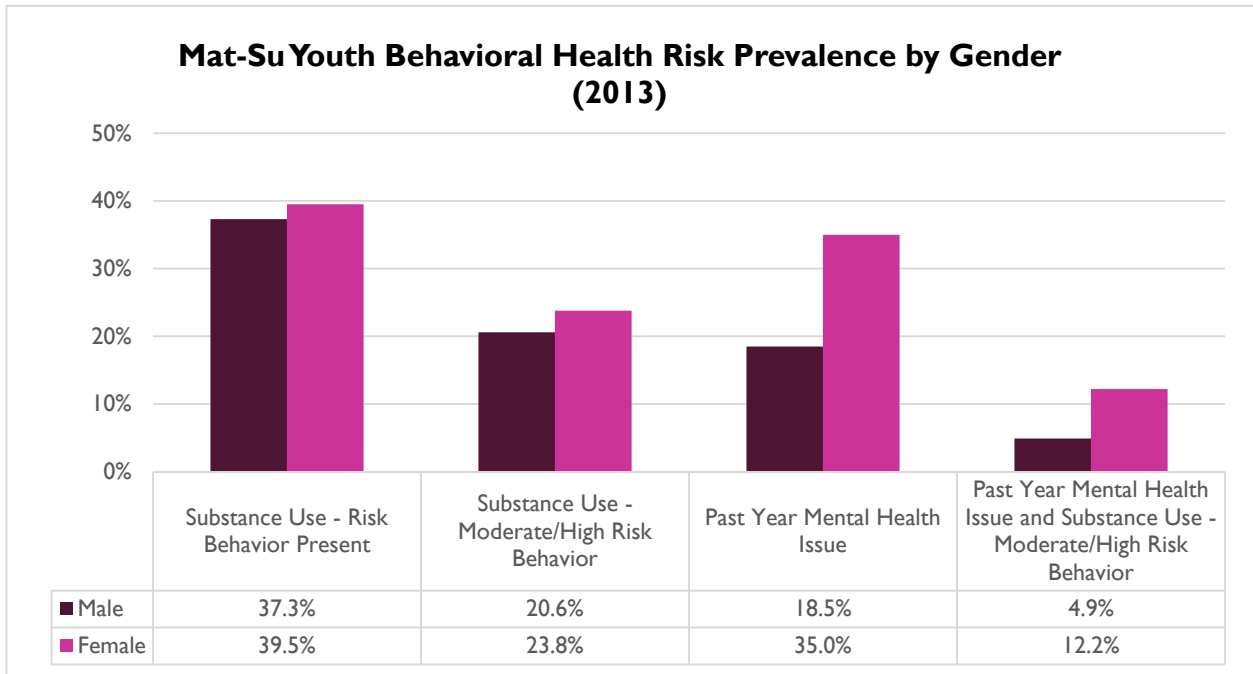
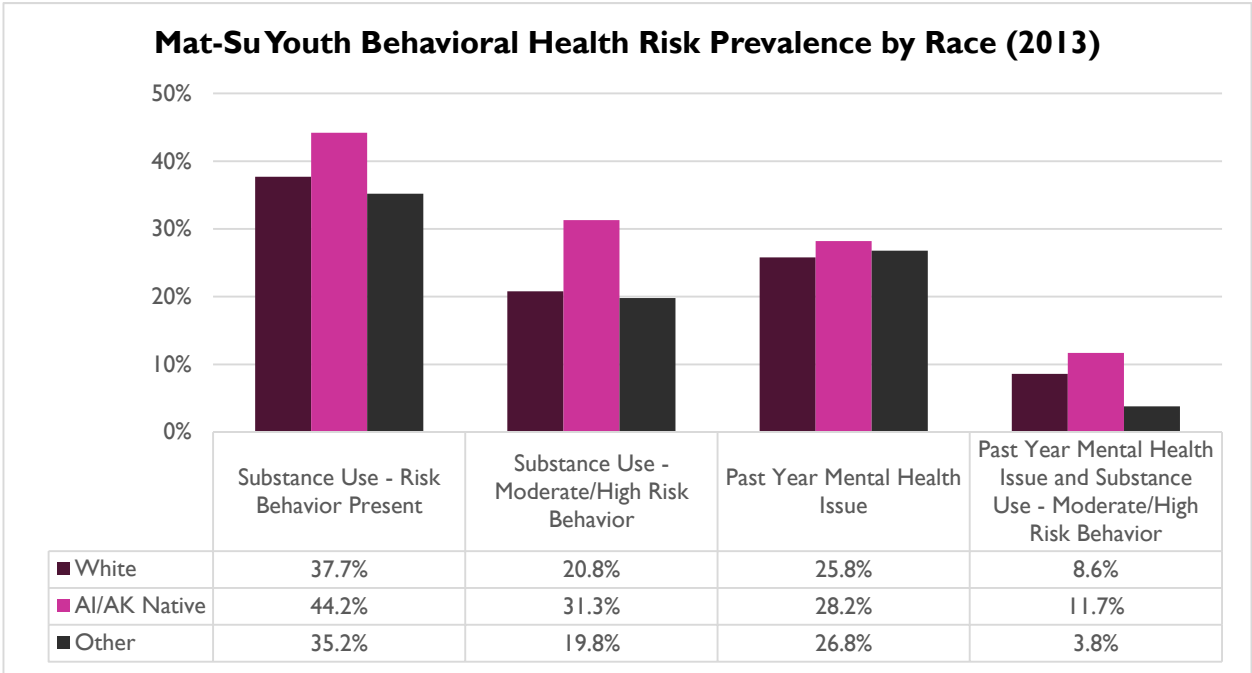




Figure 12 Mat-Su Youth Behavioral Health Risk Prevalence by Race (2013)



**Figure 13 Alaska and Matanuska-Susitna Borough Prevalence of Youth Behavioral Health Risk Behaviors and Issues**

<b>Alaska and Mat-Su Borough Prevalence of Youth Behavioral Health Risk Behaviors and Issues</b>									
	Total Population (2013 School Enrollments)	Substance Use - Risk Behavior Present YRBS		Substance Use - Moderate/High Risk Behavior YRBS		Past Year Mental Health Issue YRBS		Past Year Mental Health Issue and Substance Use - Moderate/High Risk Behavior YRBS	
		Rate	Count	Rate	Count	Rate	Count	Rate	Count
<b>Youth</b>									
<b>Alaska*</b>	25,225	0.335	8,450	0.184	4,641	0.286	7,214	0.095	2,396
<b>Mat-Su**</b>	3,413	0.383	1,307	0.221	754	0.262	894	0.083	283
<b>Mat-Su – Youth by Gender</b>									
<b>Male</b>	1,846	0.373	689	0.206	380	0.185	342	0.049	90
<b>Female</b>	1,567	0.395	619	0.238	373	0.350	548	0.122	191
<b>Mat-Su – Youth By Race***</b>									
<b>White</b>	2,517	0.377	949	0.208	524	0.258	649	0.086	216
<b>AI or AK Native</b>	561	0.442	248	0.313	176	0.282	158	0.117	66
<b>Other</b>	335	0.352	118	0.198	66	0.268	90	0.038	13

General Notes: Data restricted to respondents in 2013 with valid responses to all questions and providing gender. Counts may not sum to total for state due to rounding of the rates.

DSU: Data are statistically unreliable due to insufficient (i.e., less than 100) responses. No counts can be estimated.

\* Weighted results for statewide traditional high school students.

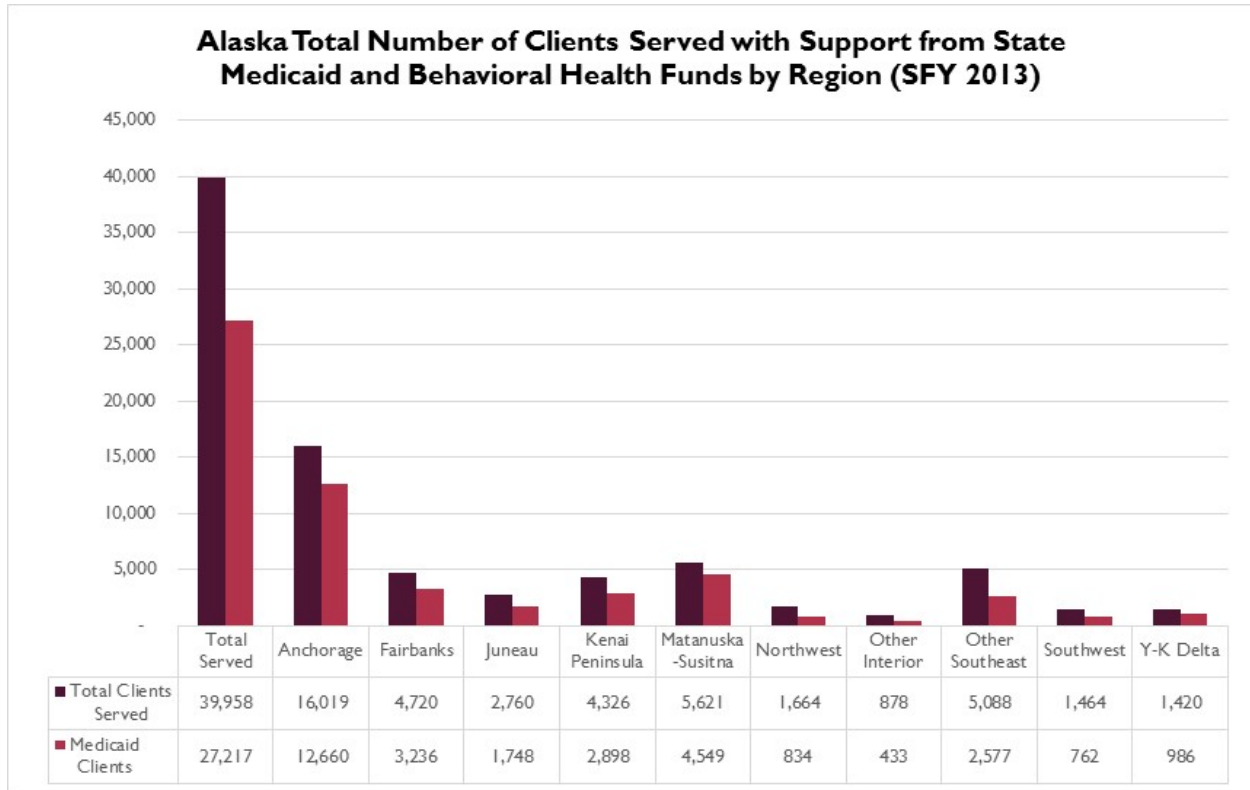
\*\* Combined weighted and unweighted results for regional traditional, alternative, residential, vocational, and correctional high school students. Data are weighted if response rates of 60% were obtained for samples or 50% for census of students.

\*\*\*Race based upon white (only, non-Hispanic), American Indian or Alaska Native (any mention), and other consisting of other races, multi-racial, or unknown responses.

Source: Alaska Youth Risk Behavior Surveillance System, Section of Chronic Disease Prevention and Health Promotion, Division of Public Health, Alaska Department of Health and Social Services, 2015.

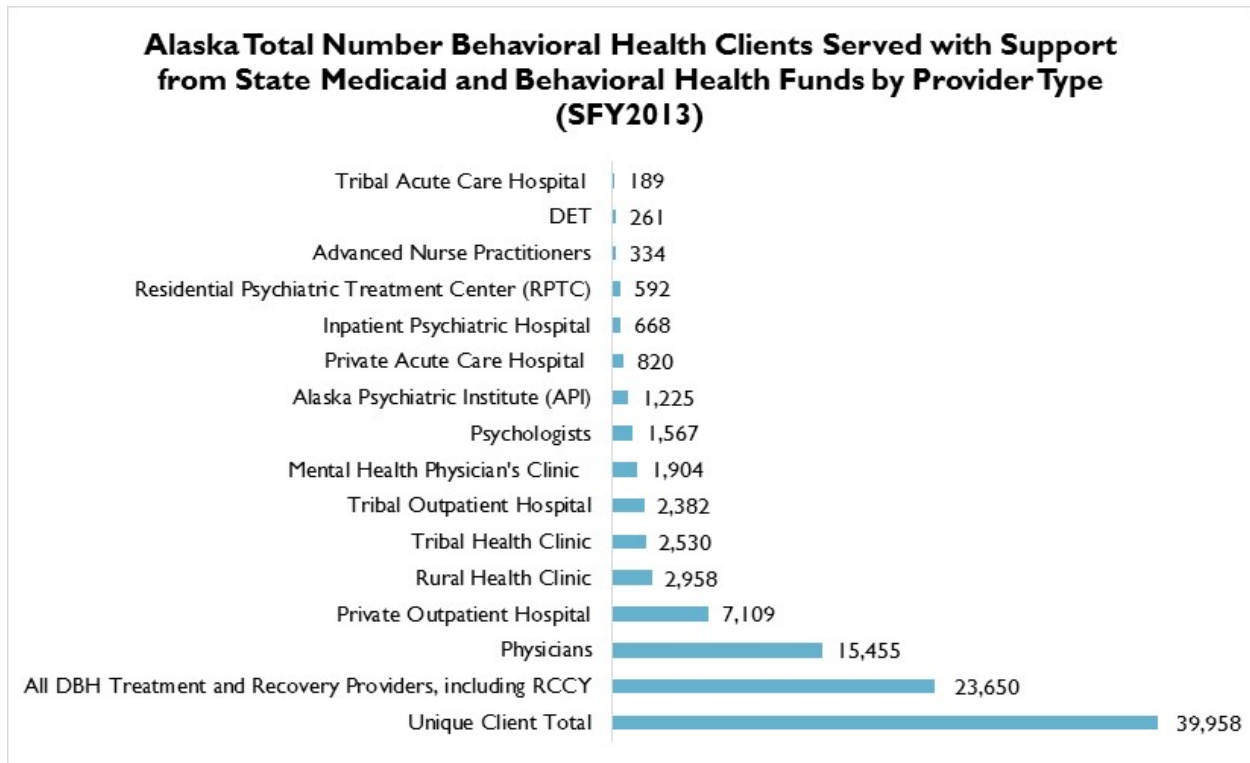
# Total Client Utilization Trends

**Figure 14 Alaska Total Number of Clients Served with Support from State Medicaid and Behavioral Health Funds by Region (SFY 2013)**



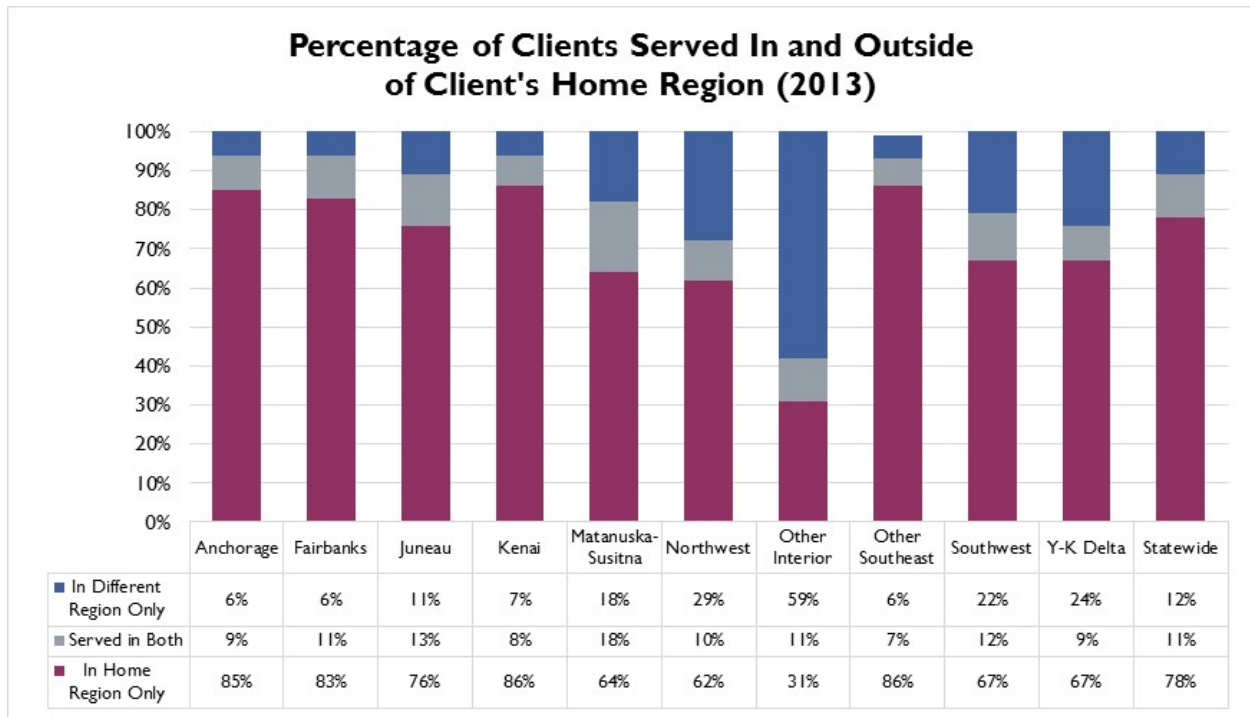
Note: Utilization data in this and subsequent charts is based on service location (not the client's home community) unless otherwise noted. Data Sources: All utilization figures and tables are based on combined service data by state fiscal year from the Alaska Automated Information Management System (AKAIMS), including data from agencies that submit data through an electronic data interface (EDI); the Alaska Psychiatric Institute electronic health record system - Meditech; the DBH Designated Evaluation & Treatment (DET) databases; and the Alaska Medicaid JUCE database. Client counts represent unduplicated counts. The Medicaid JUCE dataset included claims data for all individuals who received services from behavioral health specific provider types and for individuals who received services from other providers of behavioral health services and they had a primary or secondary behavioral health diagnosis. The DET dataset included only clients who received hospital services that were paid for by the Division of Behavioral Health (clients receiving only transport services were excluded.) All data was provided by the Alaska Department of Health and Social Services' Division of Behavioral Health.

**Figure 15 Alaska Total Number of Clients Served with Support from State Medicaid and Behavioral Health Funds by Provider Type (SFY 2013)**



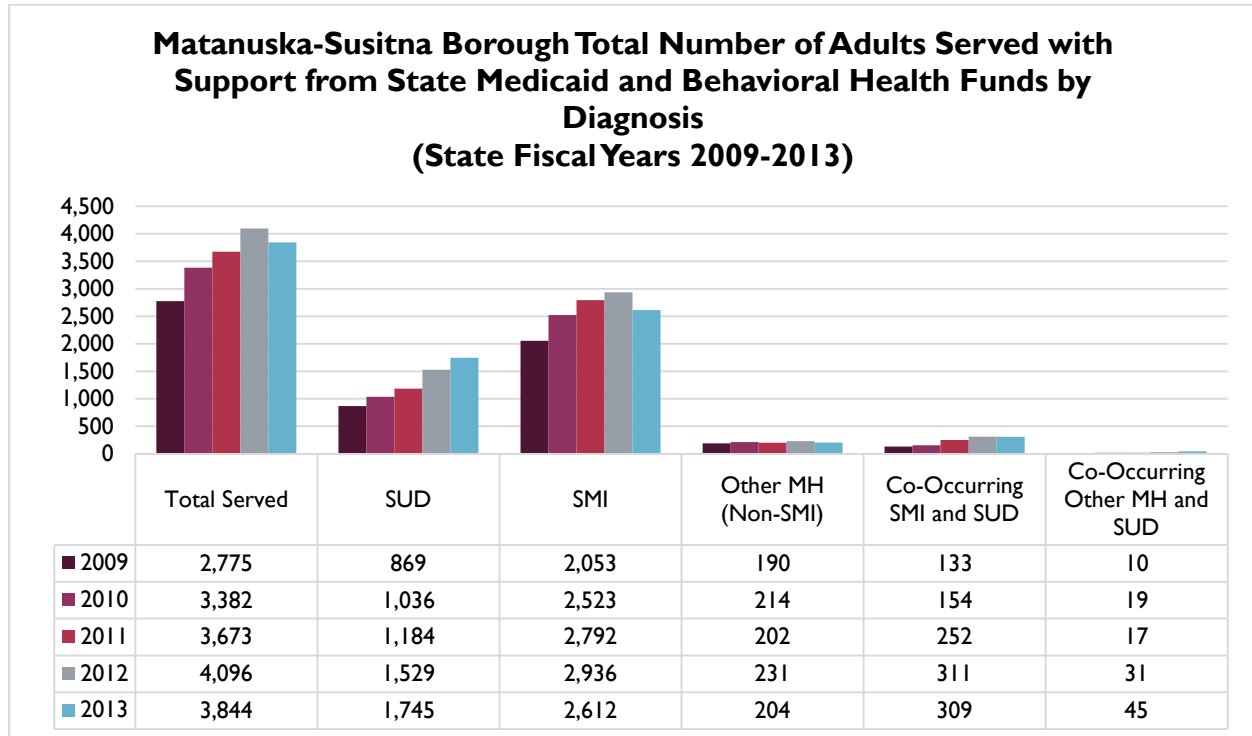
Data Sources: All utilization figures and tables are based on combined service data by state fiscal year from the Alaska Automated Information Management System (AKAIMS), including data from agencies that submit data through an electronic data interface (EDI); the Alaska Psychiatric Institute electronic health record system - Meditech; the DBH Designated Evaluation & Treatment (DET) databases; and the Alaska Medicaid JUCE database. Client counts represent unduplicated counts. The Medicaid JUCE dataset included claims data for all individuals who received services from behavioral health specific provider types and for individuals who received services from other providers of behavioral health services and they had a primary or secondary behavioral health diagnosis. The DET dataset included only clients who received hospital services that were paid for by the Division of Behavioral Health (clients receiving only transport services were excluded.) All data was provided by the Alaska Department of Health and Social Services' Division of Behavioral Health.

Figure 16 Percentage of Clients Served In and Outside of Client's Home Region (2013)



## Adult Utilization Trends

Figure 17 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis (State Fiscal Years 2009-2013)



**Figure 18 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Gender (State Fiscal Years 2009 & 2013)**

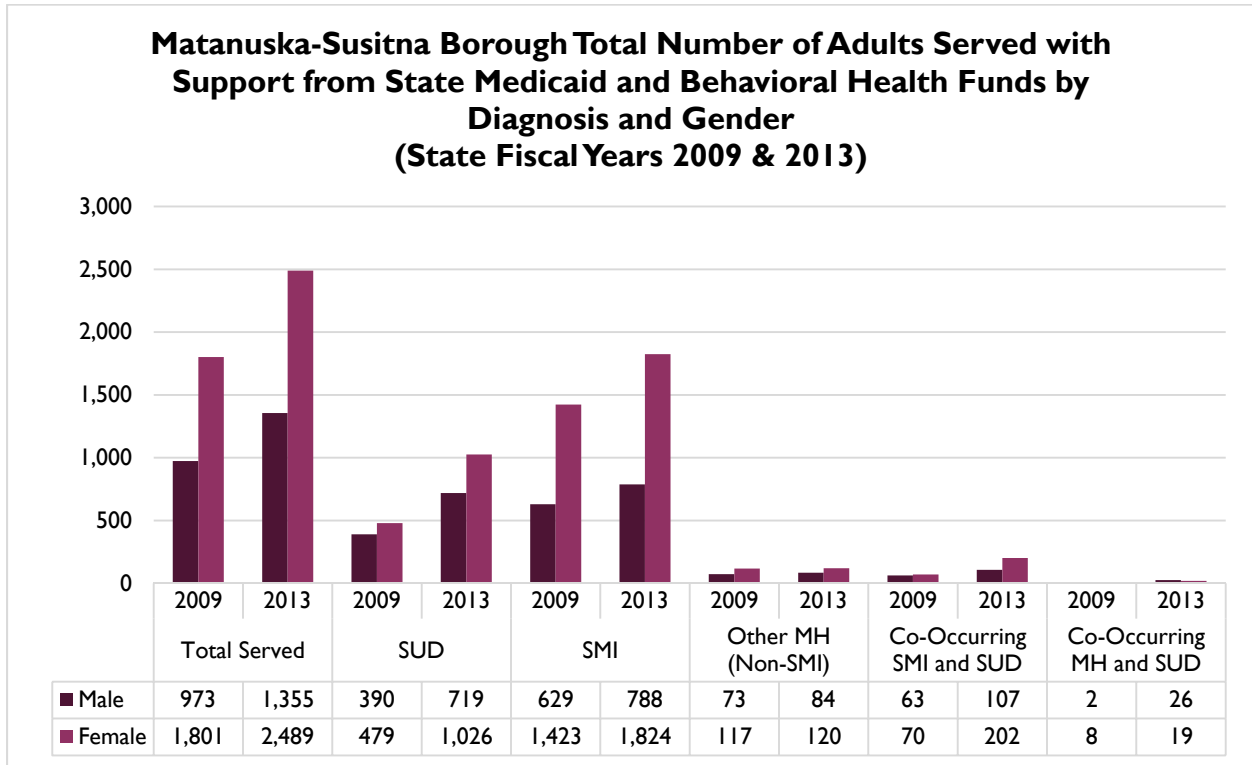
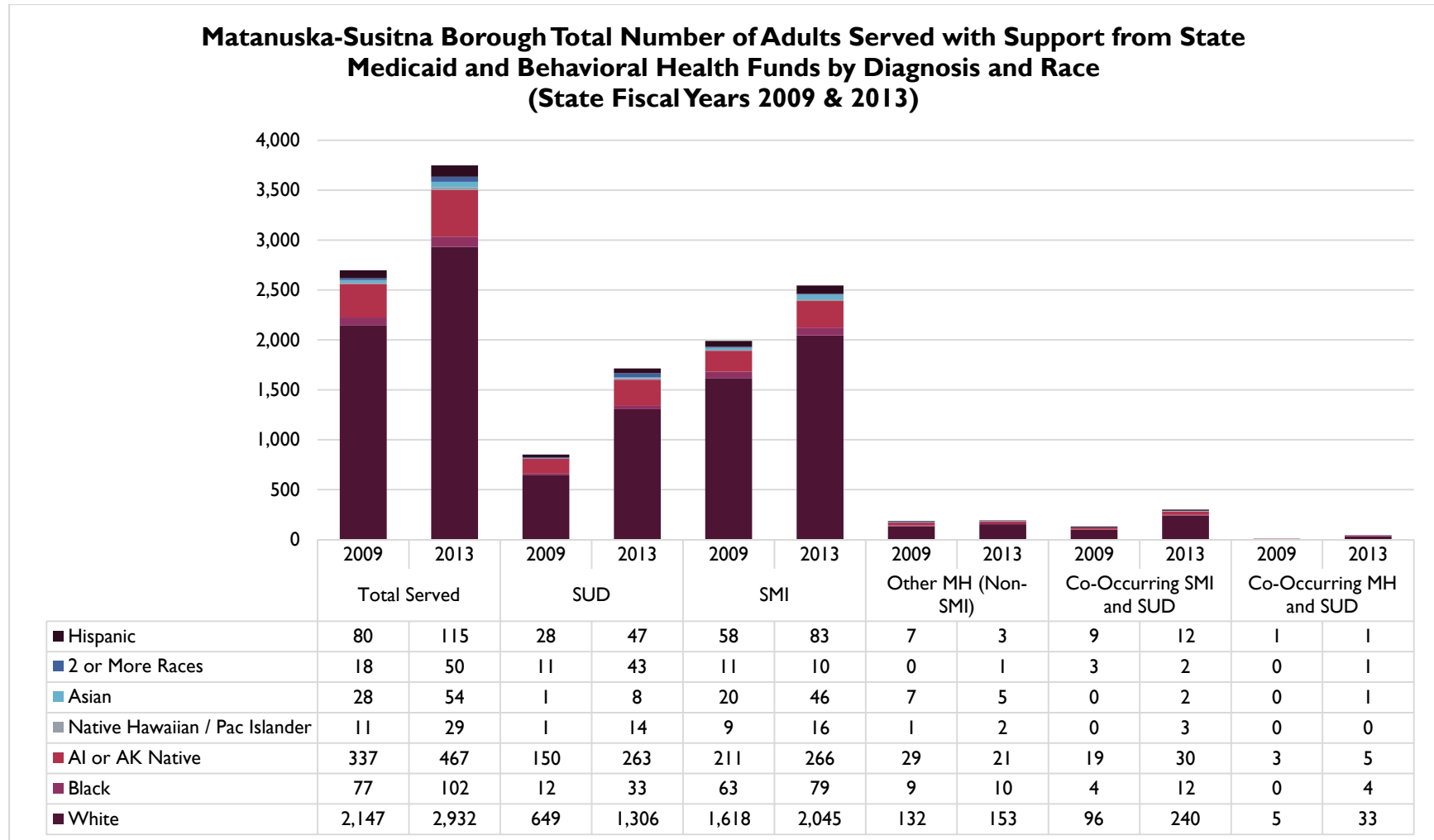


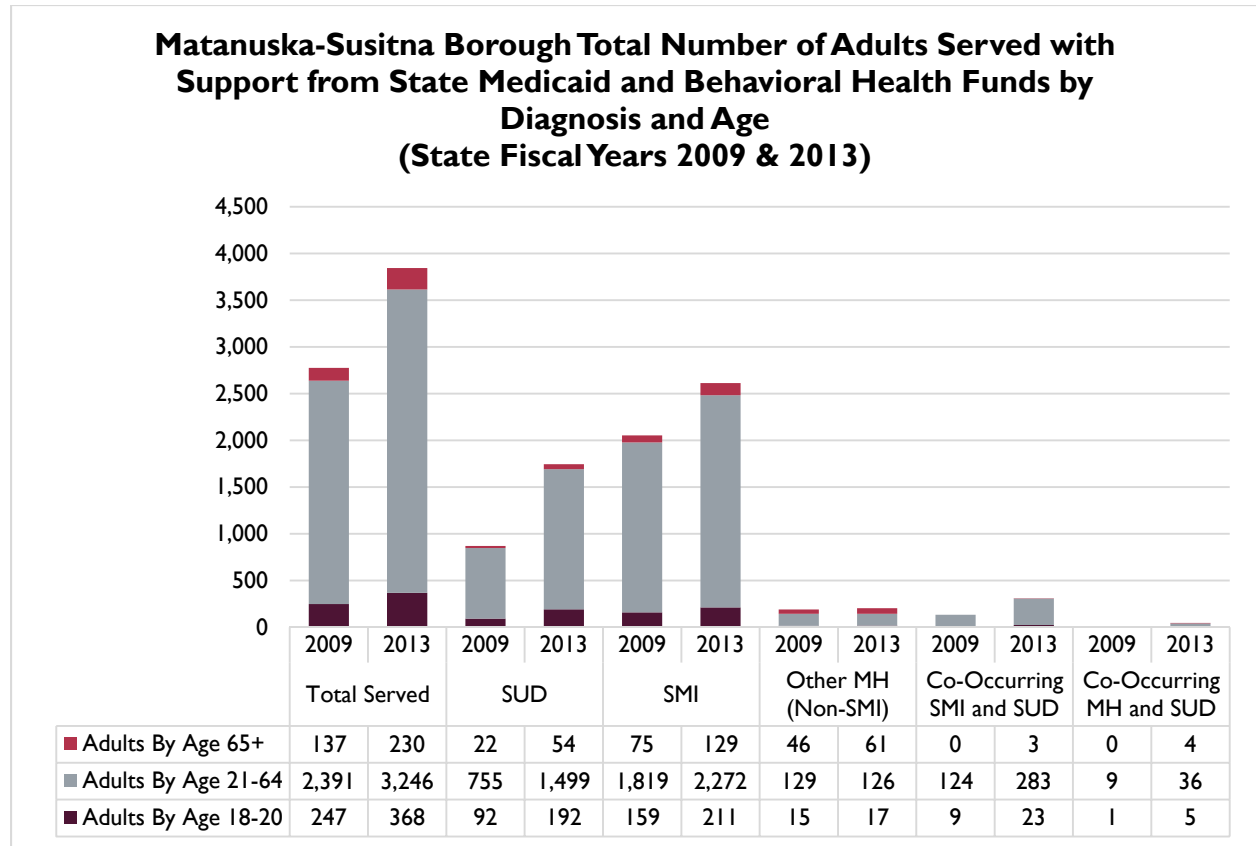
Figure 19 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013)



Note: The "2 or More Race" category includes a significant proportion of adults who specify Alaska Native as one of two or more races.



**Figure 20 Matanuska-Susitna Borough Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013)**



## Youth Utilization Trends

Figure 21 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis (State Fiscal Years 2009-2013)

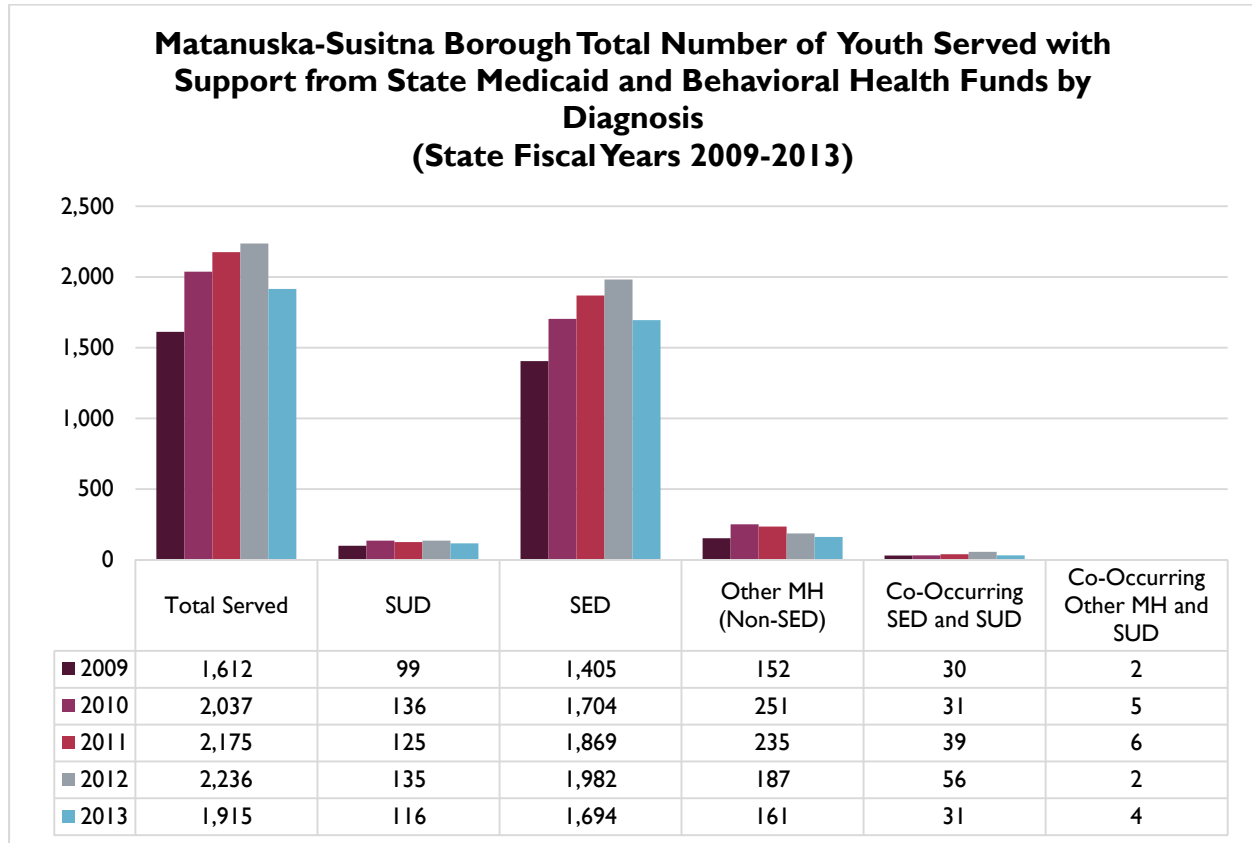
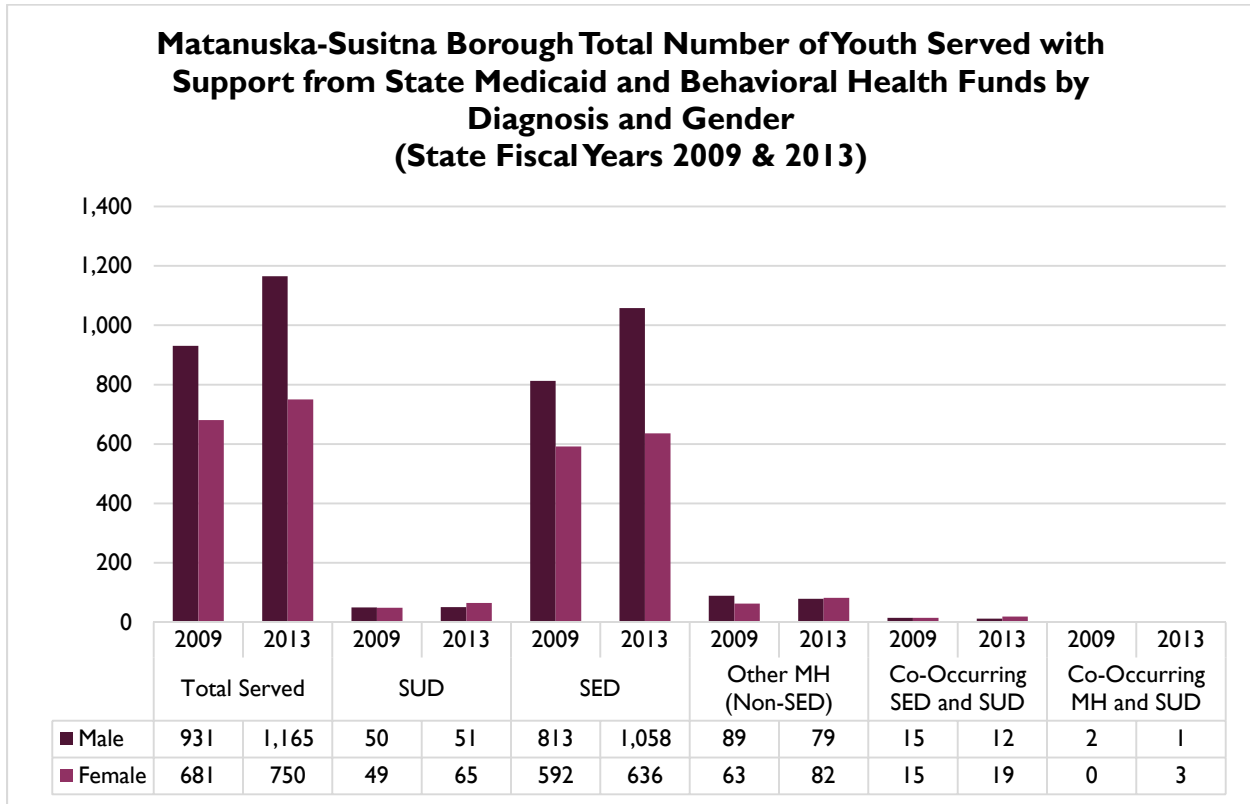
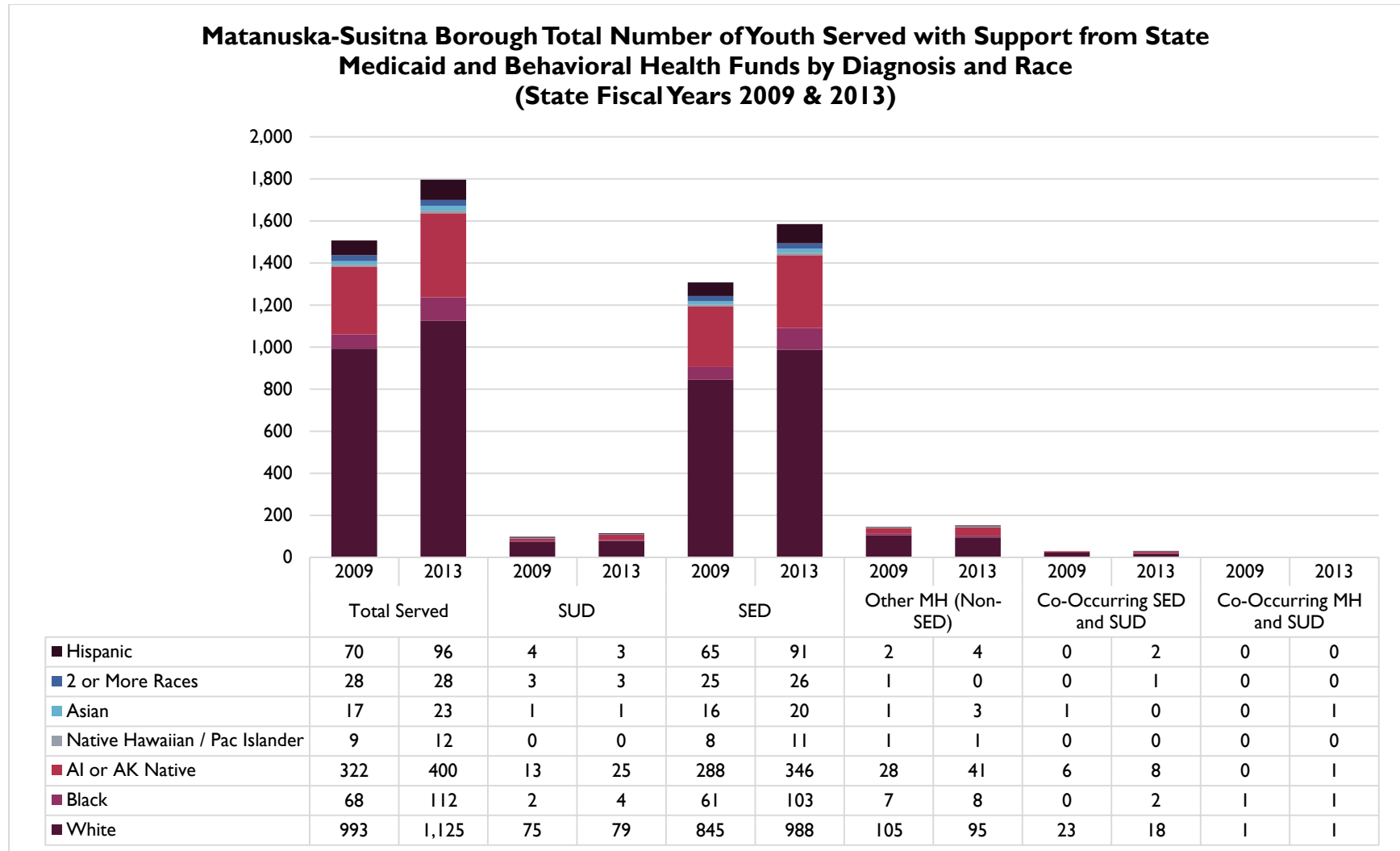


Figure 22 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Gender (State Fiscal Years 2009 & 2013)

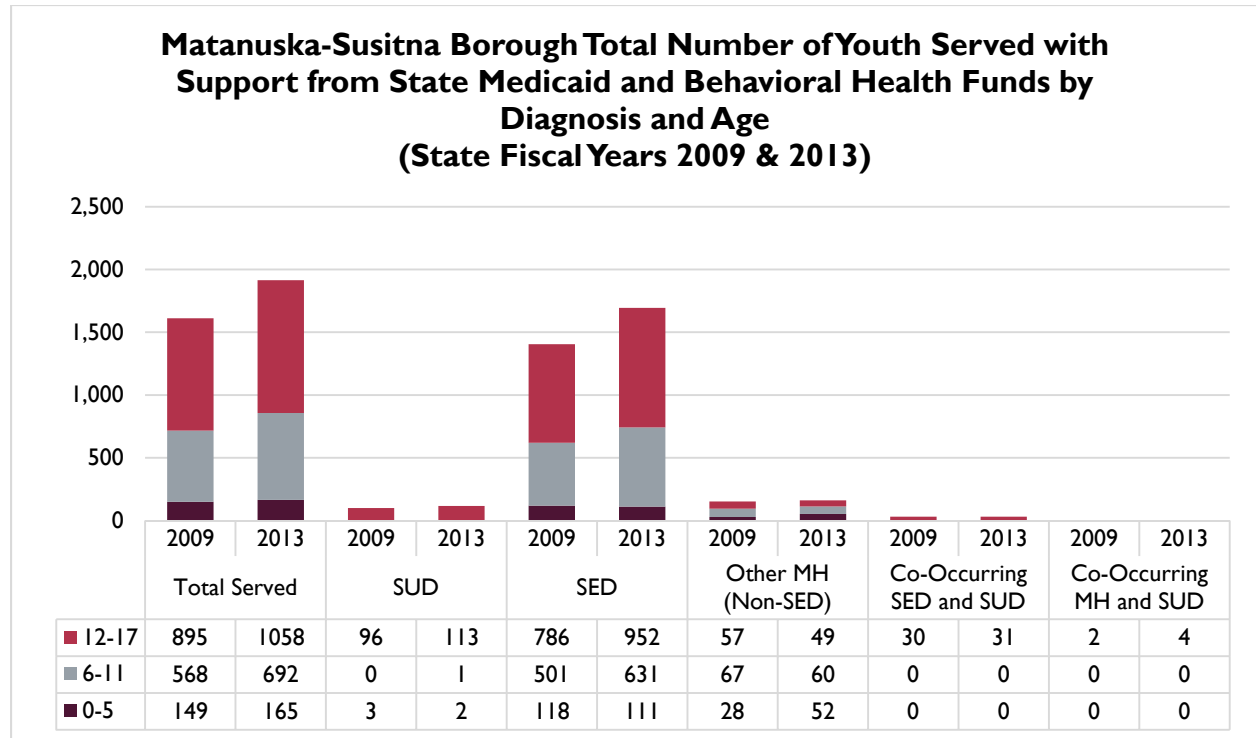


**Figure 23 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013)**



Note: The "2 or More Race" category includes a significant proportion of adults who specify Alaska Native as one of two or more races.

**Figure 24 Matanuska-Susitna Borough Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013)**



## Patterns of Utilization

Figure 25 Number and Rate (per 1,000 Persons) of Alaska Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013

Number and Rate (per 1,000 Persons) of Alaska Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region (2013)									
Region	Adult Population	Utilization: Total Served							
		Overall # Served		SUD		Any Mental Illness		SMI	
		#	Rate	#	Rate	#	Rate	#	Rate
Alaska	54,6,215	27,728	51	14,442	26	18,902	35	16,841	31
Anchorage, Municipality of	224,786	11,576	51	5,469	24	8,390	37	7,416	33
Fairbanks North Star Borough	74,482	3,072	41	1,766	24	1,885	25	1,729	23
Juneau, City and Borough of	25,584	1,891	74	1,308	51	1,059	41	998	39
Kenai Peninsula Borough	43,754	2,722	62	1,133	26	1,976	45	1,776	41
Matanuska-Susitna Borough	69,032	3,844	56	1,745	25	2,816	41	2,612	38
Northwest Region	18,890	1,264	67	881	47	693	37	558	30
Other Interior Region	18,220	657	36	278	15	480	26	401	22
Other Southeast Region	31,973	3,124	98	1,766	55	1,917	60	1,698	53
Southwest Region	23,314	1,032	44	542	23	674	29	534	23
Y-K Delta Region	16,181	953	59	635	39	436	27	369	23

**Figure 26 Number and Rate (per 1,000 Persons) of Alaska Adult Males and Females Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013**

Number and Rate (per 1,000 Persons) of Alaska Adult Males and Females Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013																		
Region	2013 Male Pop. Ages 18+	Utilization: Total Adult Males Served								2013 Female Pop. Ages 18+	Utilization: Total Adult Females Served							
		Total		SUD		Any Mental Illness (Past Year)		SMI (Past Year)			Total		SUD		Any Mental Illness (Past Year)		SMI (Past Year)	
		#	Rate	#	Rate	#	Rate	#	Rate		#	Rate	#	Rate	#	Rate	#	Rate
Alaska	282,804	11,480	41	7,144	25	6,626	23	5,766	20	263,411	16,232	62	7,291	28	12,262	47	11,061	42
Anchorage, Municipality of	112,826	4,713	42	2,681	24	3,082	27	2,688	24	111,960	6,849	61	2,781	25	5,296	47	4,716	42
Fairbanks North Star Borough	39,310	1,252	32	809	21	683	17	614	16	35,172	1,819	52	957	27	1,201	34	1,114	32
Juneau, City and Borough of	12,955	954	74	745	58	400	31	374	29	12,629	937	74	563	45	659	52	624	49
Kenai Peninsula Borough	22,885	1,056	46	561	25	631	28	556	24	20,869	1,666	80	572	27	1,345	64	1,220	58
Matanuska-Susitna Borough	35,436	1,355	38	719	20	872	25	788	22	33,596	2,489	74	1,026	31	1,944	58	1,824	54
Northwest Region	11,057	572	52	438	40	272	25	206	19	7,833	692	88	443	57	421	54	352	45
Other Interior Region	9,954	277	28	153	15	166	17	126	13	8,266	380	46	125	15	314	38	275	33
Other Southeast Region	16,473	1,255	76	844	51	593	36	505	31	15,500	1,868	121	922	59	1,323	85	1,192	77
Southwest Region	13,507	490	36	317	23	251	19	190	14	9,807	542	55	225	23	423	43	344	35
Y-K Delta Region	8,401	386	46	285	34	140	17	121	14	7,780	567	73	350	45	296	38	248	32

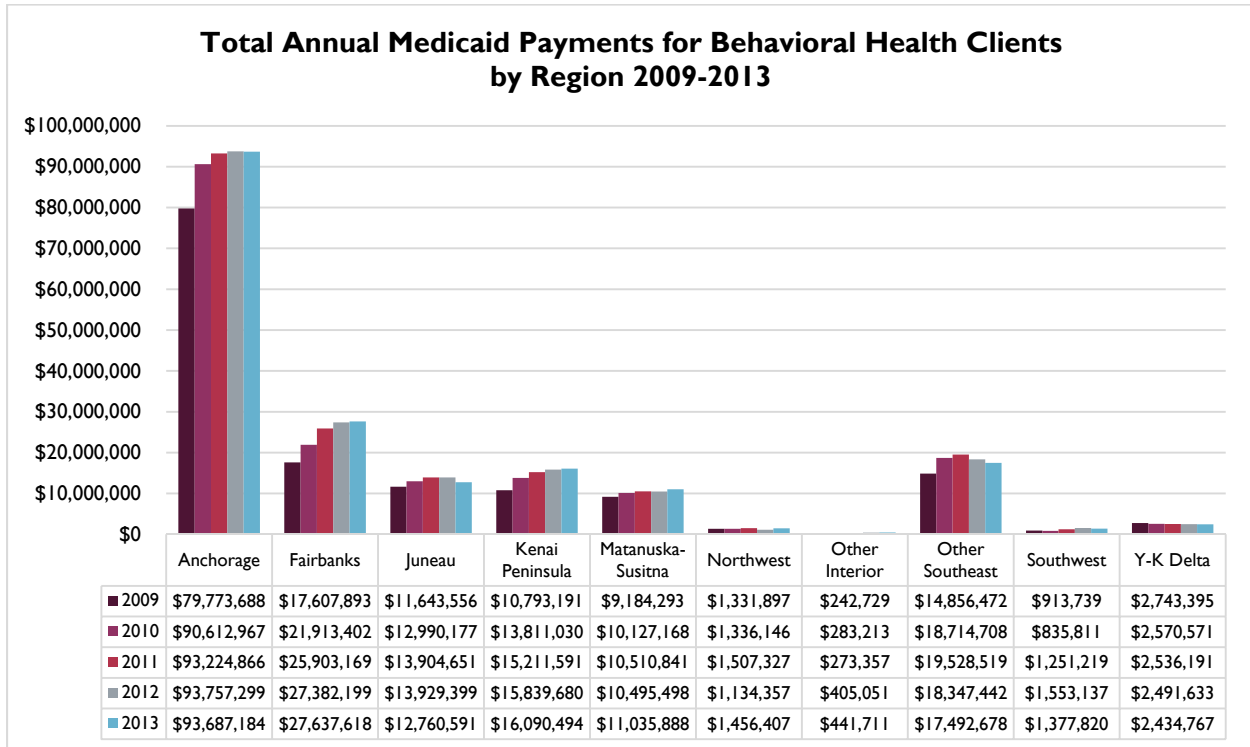
**Figure 27 Number and Rate (per 1,000 Persons) of White Adults and American Indian/Alaska Native Adults Served With Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013**

Number and Rate (per 1,000 Persons) of White Adults and American Indian/Alaska Native Adults Served With Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013																		
Region	2013 White Pop. Ages 18+	Utilization: Total White Adults Served								2013 AI/AN Pop. Ages 18+	Utilization: Total AI/AN Adults Served							
		Total		SUD		Any Mental Illness (Past Year)		SMI (Past Year)			Total		SUD		Any Mental Illness (Past Year)		SMI (Past Year)	
		#	Rate	#	Rate	#	Rate	#	Rate		#	Rate	#	Rate	#	Rate	#	Rate
Alaska	388,379	13,315	34	6,180	16	9,817	25	8,860	23	91,659	10,644	116	6,773	74	6,214	68	5,458	60
Anchorage, Municipality of	159,131	4,814	30	2,507	16	3,596	23	3,230	20	24,195	4,416	183	2,639	109	1,948	80	1,697	70
Fairbanks North Star Borough	59,859	1,523	25	727	12	1,113	19	1,020	17	7,084	1,174	166	878	124	482	68	440	62
Juneau, City and Borough of	18,883	939	50	630	33	559	30	524	28	4,178	762	182	556	133	396	95	377	90
Kenai Peninsula Borough	38,022	2,057	54	825	22	1,510	40	1,365	36	4,411	485	110	240	54	329	75	288	65
Matanuska-Susitna Borough	60,185	2,932	49	1,306	22	2,198	37	2,045	34	6,190	514	83	304	49	297	48	275	45
Northwest Region	5,424	103	19	40	7	86	16	63	12	12,465	1,137	91	827	66	588	47	479	38
Other Interior Region	12,386	348	28	128	10	379	31	326	26	5,031	271	54	131	26	1,306	259	1,146	228
Other Southeast Region	22,221	1,376	62	723	33	914	41	802	36	7,631	1,477	194	855	112	888	116	795	104
Southwest Region	10,305	341	33	143	14	250	24	195	19	6,606	559	85	342	52	328	50	268	41
Y-K Delta Region	1,961	13	7	9	5	5	3	5	3	13,868	933	67	621	45	429	31	362	26



# Medicaid Payment and Grant Award Trends

Figure 28 Total Annual Medicaid Payments for Behavioral Health Clients by Region 2009-2013



Note: In order to gauge regional provider billing, Medicaid Payments are based on service location not the client's home community in this and subsequent charts.

Figure 29 Per Capita Medicaid Payments for Behavioral Health Clients by Region

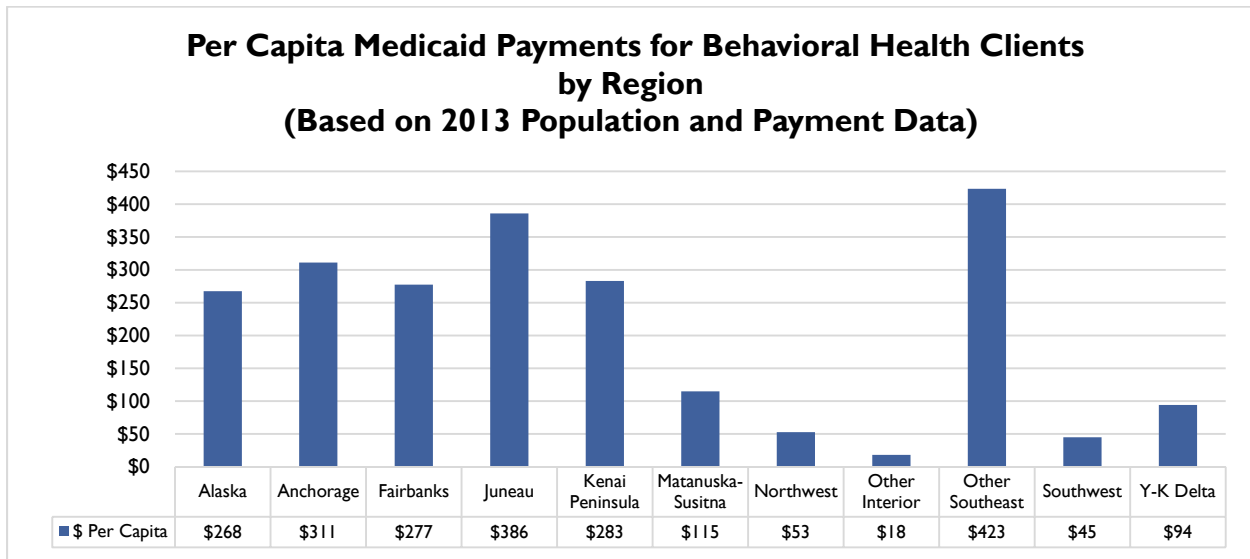


Figure 30 Average Annual Medicaid Payments per Behavioral Health Client by Region 2009-2013

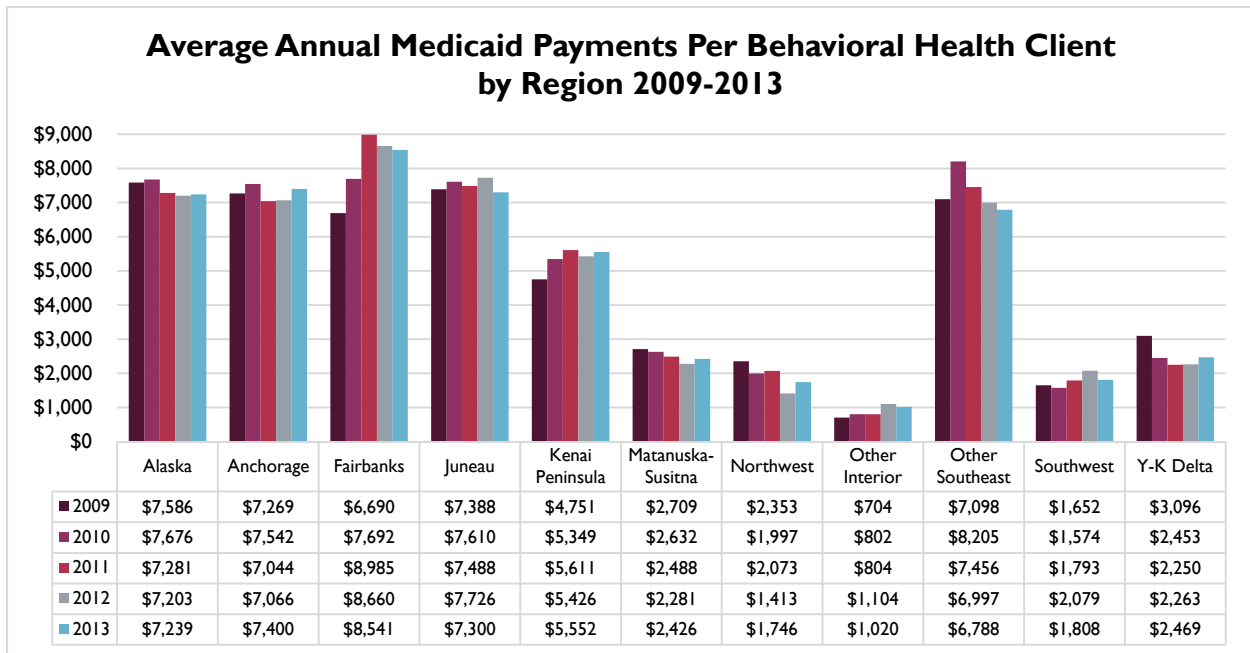


Figure 31 DBH Treatment and Recovery Awards by Region SFY2013

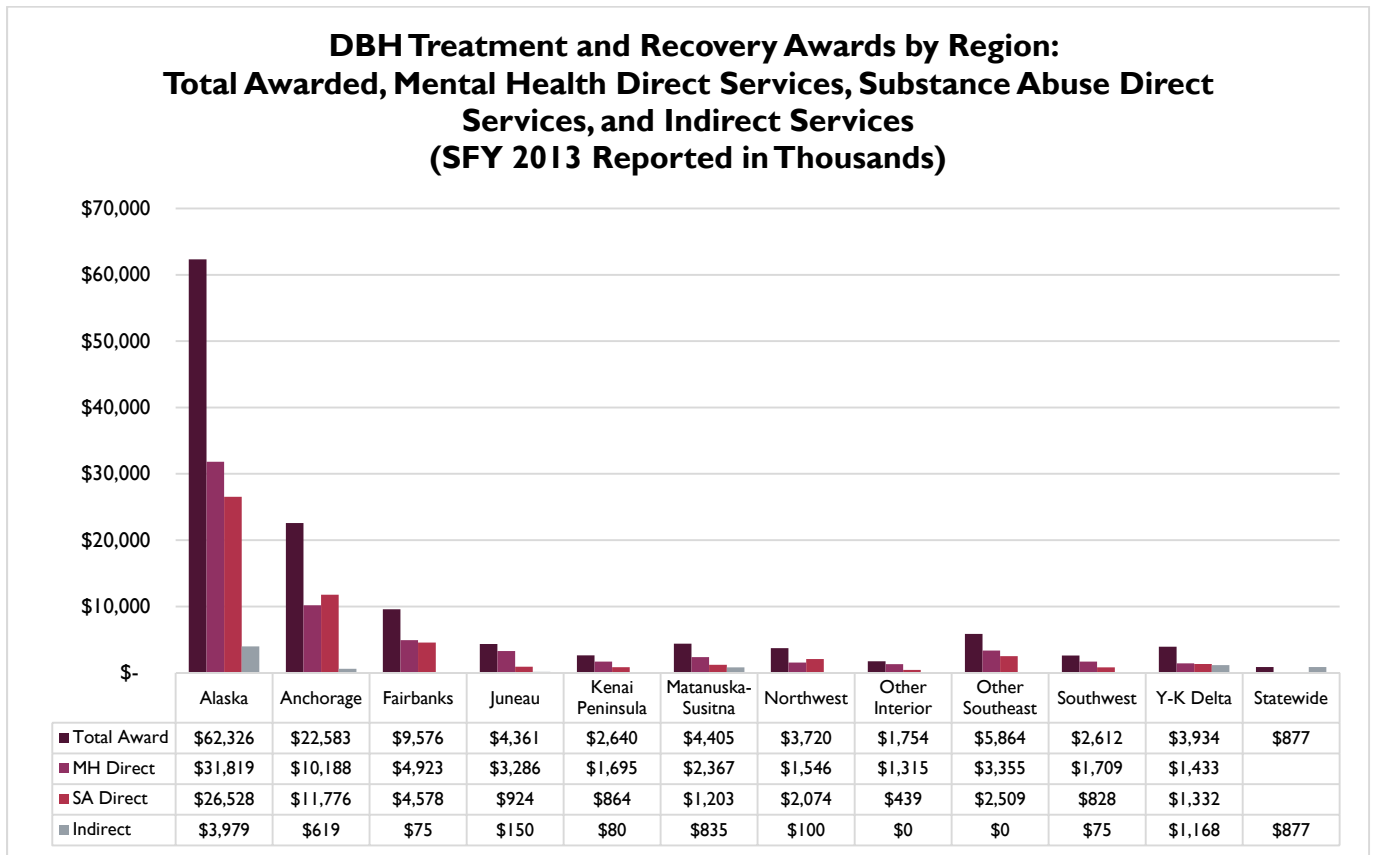


Figure 32 Per Capita Treatment and Recovery Awards Grant by Region SYF2013

