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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.

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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

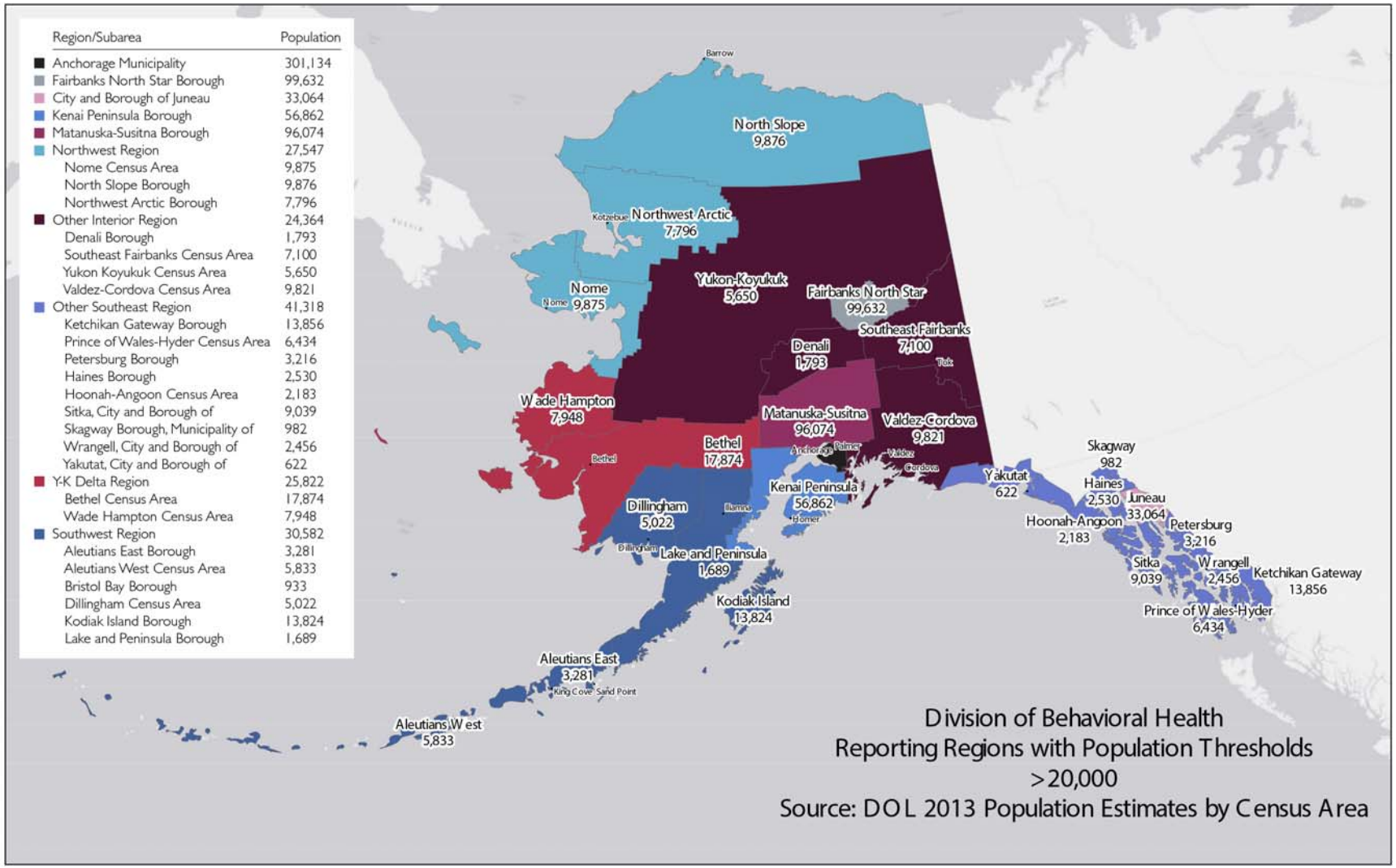
2009-2013 data extracts of the following data sets were used:

- The Alaska Medicaid Management Information System (MMIS) Juneau Claims and Eligibility or "JUCE" 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 Southwest Adult Behavioral Health Issues Prevalence (2013)

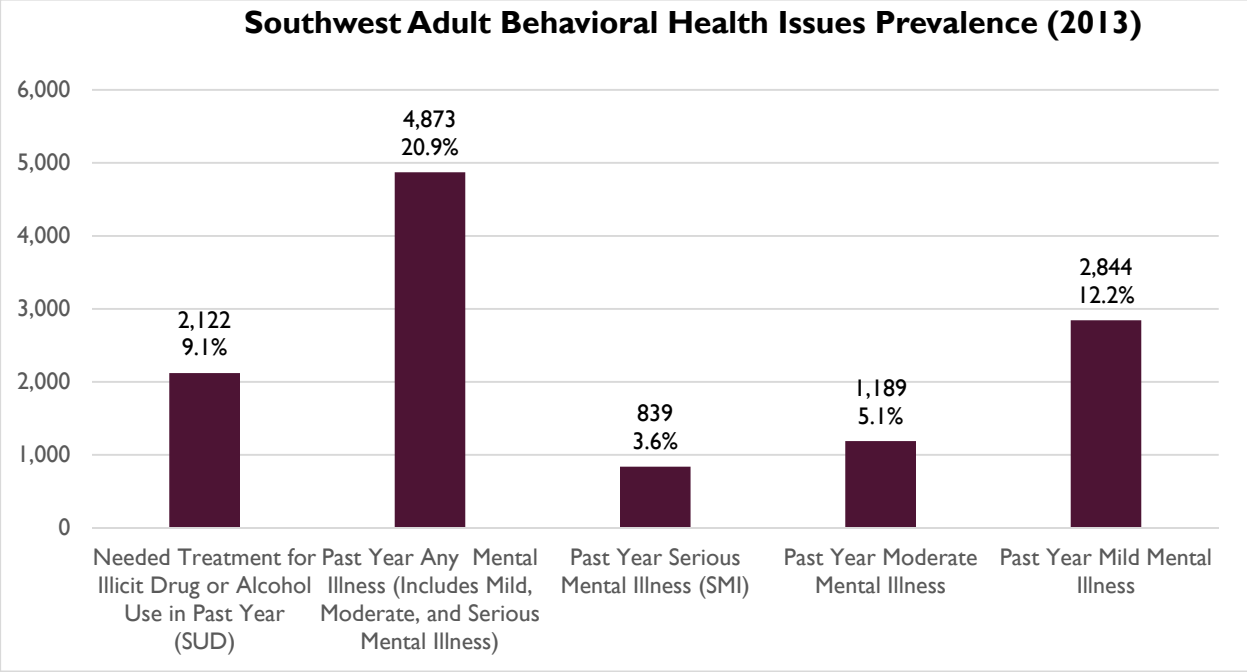
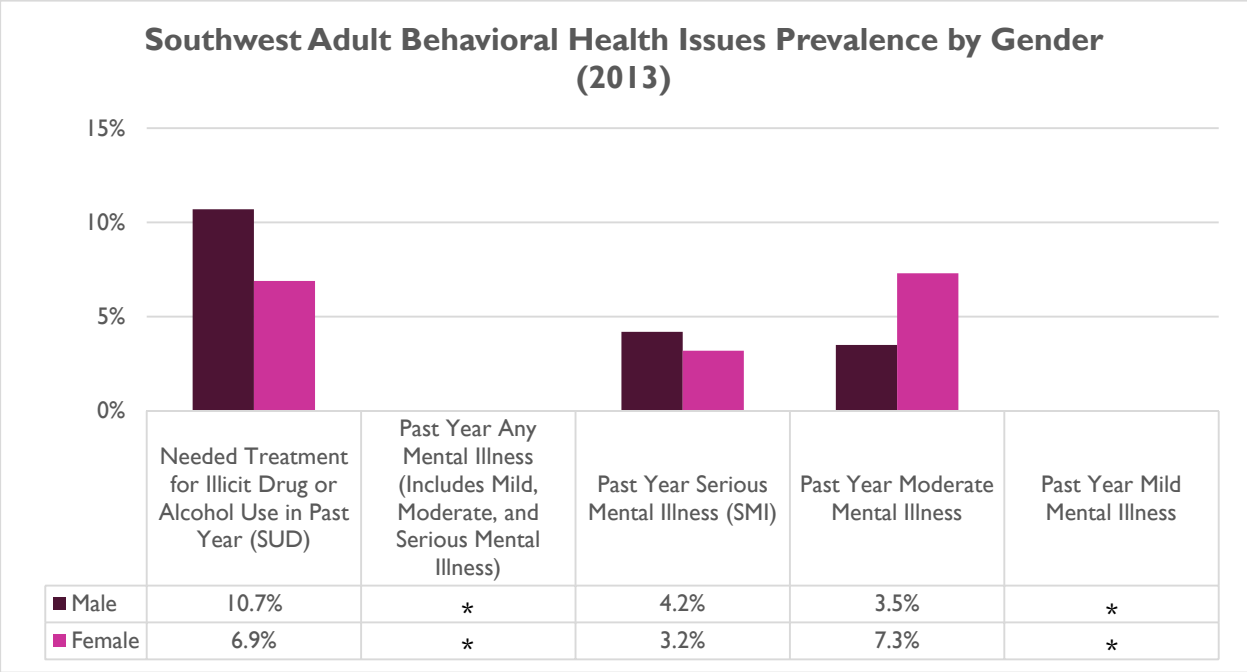
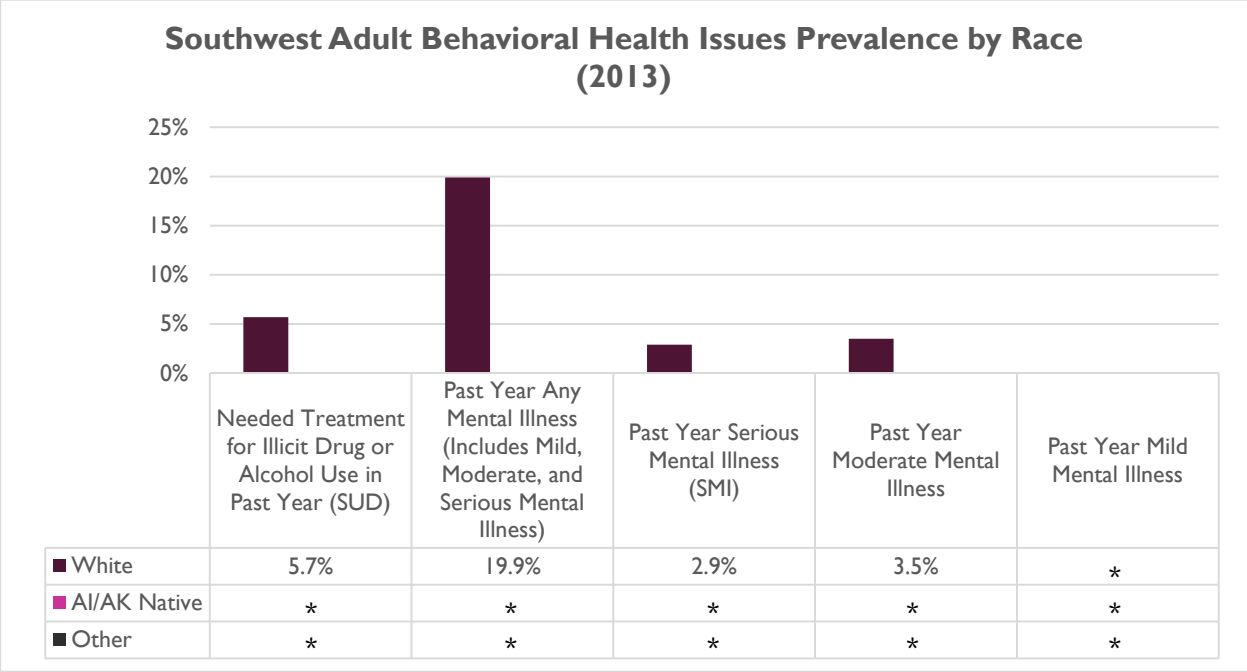


Figure 3 Southwest Adult Behavioral Health Issues Prevalence by Gender (2013)



	Needed Treatment for Illicit Drug or Alcohol Use in Past Year (SUD)	Past Year Any Mental Illness (Includes Mild, Moderate, and Serious Mental Illness)	Past Year Serious Mental Illness (SMI)	Past Year Moderate Mental Illness	Past Year Mild Mental Illness
Male	10.7%	*	4.2%	3.5%	*
Female	6.9%	*	3.2%	7.3%	*

Figure 4 Southwest Adult Behavioral Health Issues Prevalence by Race (2013)



	Needed Treatment for Illicit Drug or Alcohol Use in Past Year (SUD)	Past Year Any Mental Illness (Includes Mild, Moderate, and Serious Mental Illness)	Past Year Serious Mental Illness (SMI)	Past Year Moderate Mental Illness	Past Year Mild Mental Illness
White	5.7%	19.9%	2.9%	3.5%	*
AI/AK Native	*	*	*	*	*
Other	*	*	*	*	*

Figure 5 Alaska and Northwest Adults Behavioral Health Issues Prevalence (2013)

Alaska and Southwest Adult Behavioral Health Issues Prevalence											
Total Population (2013)		**Needed Treatment for Illicit Drug or Alcohol Use in Past Year** (SUD)		**Past Year Any Mental Illness** *(Includes Mild, Moderate, and Serious Mental Illness)*		**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**
Adults											
Alaska	546,215	11.5%	62,815	19.4%	105,966	3.9%	21,302	4.3%	23,487	11.2%	61,176
Southwest	23,314	9.1%	2,122	*20.9%*	4,873	3.6%	839	5.1%	1,189	12.2%	2,844
Southwest – Adults by Gender											
Male	13,507	*10.7%*	1,445	*	*	*4.2%*	567	*3.5%*	473	*	*
Female	9,807	*6.9%*	677	*	*	*3.2%*	314	*7.3%*	716	*	*
Southwest – Adults By Race**											
White	10,305	*5.7%*	587	*19.9%*	2,051	*2.9%*	299	*3.5%*	361	*	*
AI or AK Native	6,606	*	*	*	*	*	*	*	*	*	*
Other	6,403	*	*	*	*	*	*	*	*	*	*

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 astericks (*) 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.

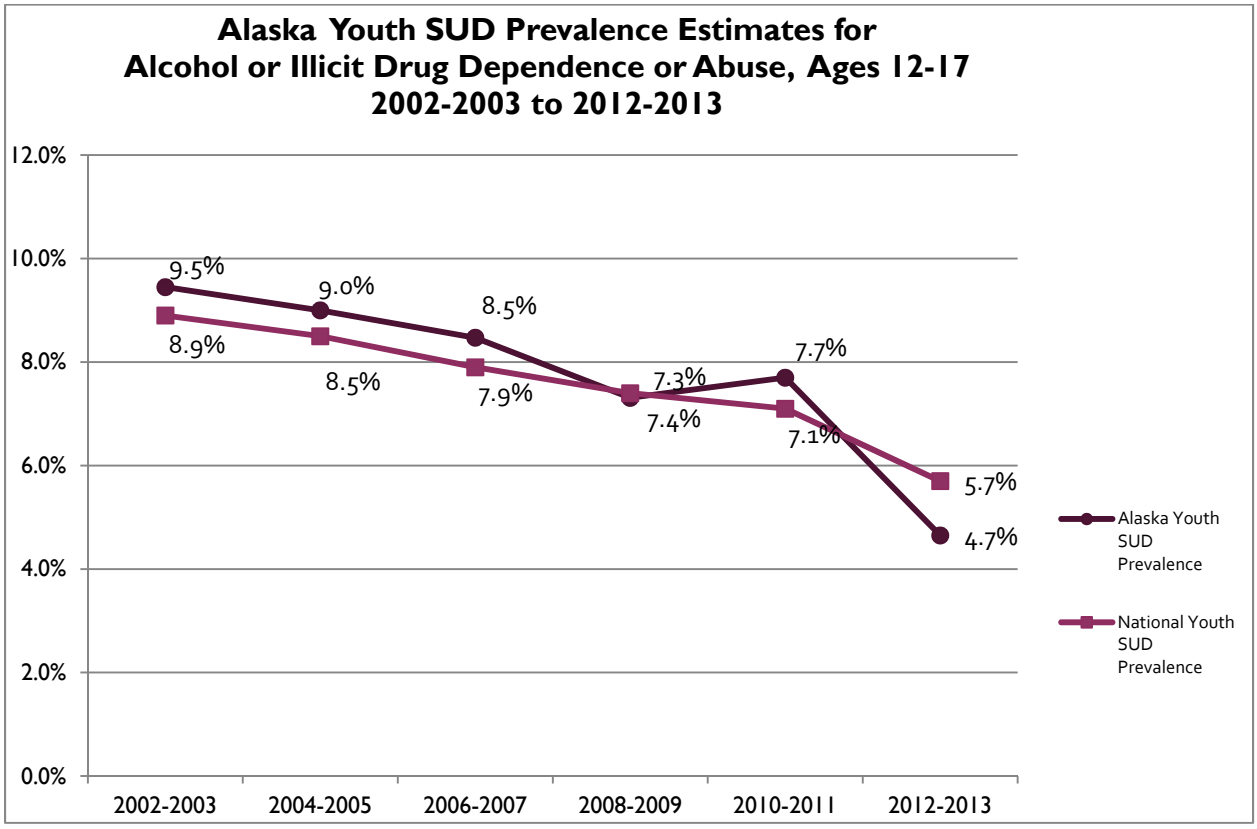
**Other Race includes Black or African American, Native Hawaiian or Other Pacific Islander, Asian, and Two or More Races with no selection of American Indian or Alaskan Native.

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



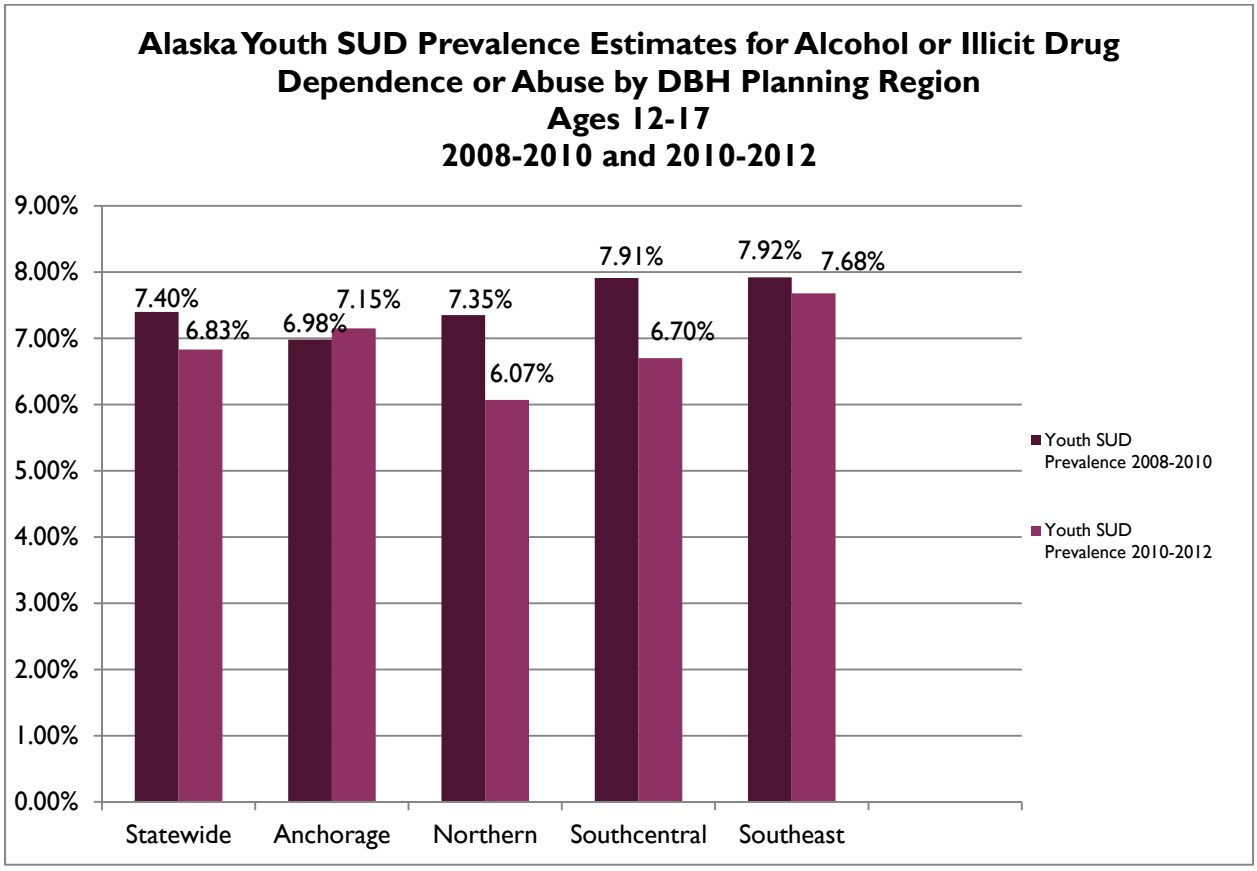
Data from SAMHSA, Center for Behavioral Health Statistics and Quality (CBHSQ), National Survey on Drug Use and Health (NSDUH) - Alaska 2 yr State Estimates; provided by the State of Alaska Division of Behavioral Health June 2015.

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.

[1]*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

Estimated Prevalence of Serious Emotional Disturbance (SED) Among Children Ages 9-17 Statewide and by Region					
Region	**Percent in poverty age 5-17 SAIPE US Census 2012**	**Tier ***	**Rate in poverty with Level of Function score ≤ 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

YRBS Variable	Methodology	Interpretation
Substance Use – Risk Behavior Present	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.
Substance Use – Moderate/High Risk Behavior	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.
Past Year Mental Health Issue	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.
Past Year Mental Health Issue and SUD (COD)	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 Southwest Youth Behavioral Health Risk Prevalence (2013)

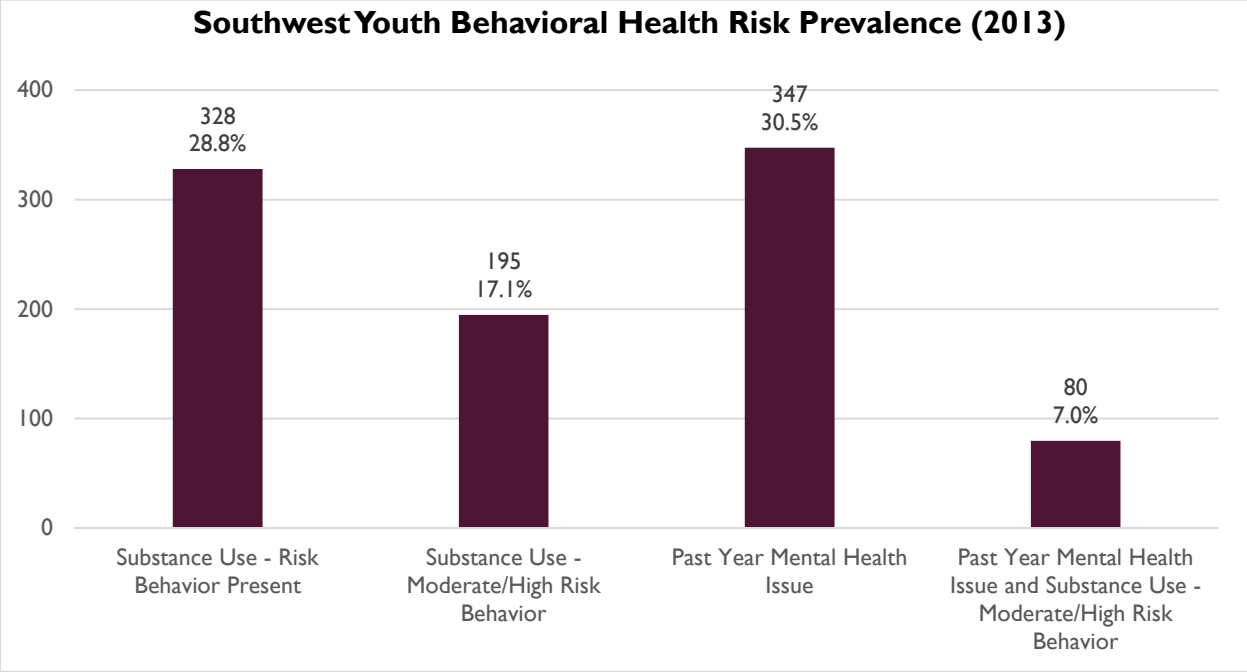
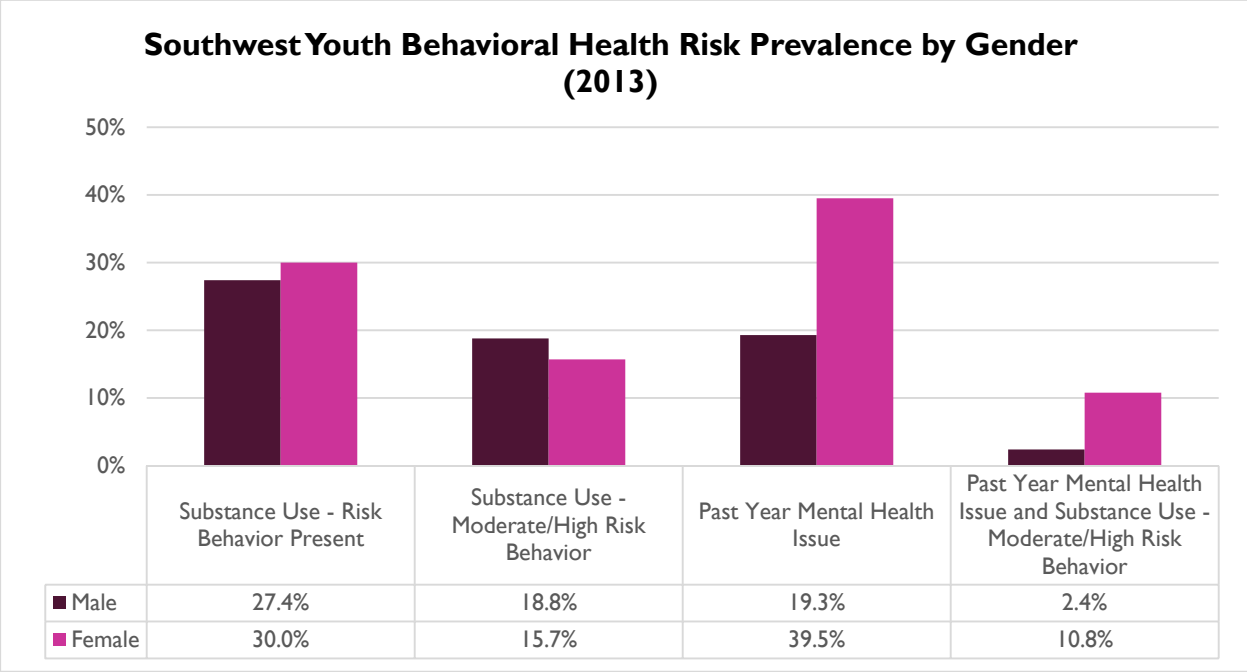
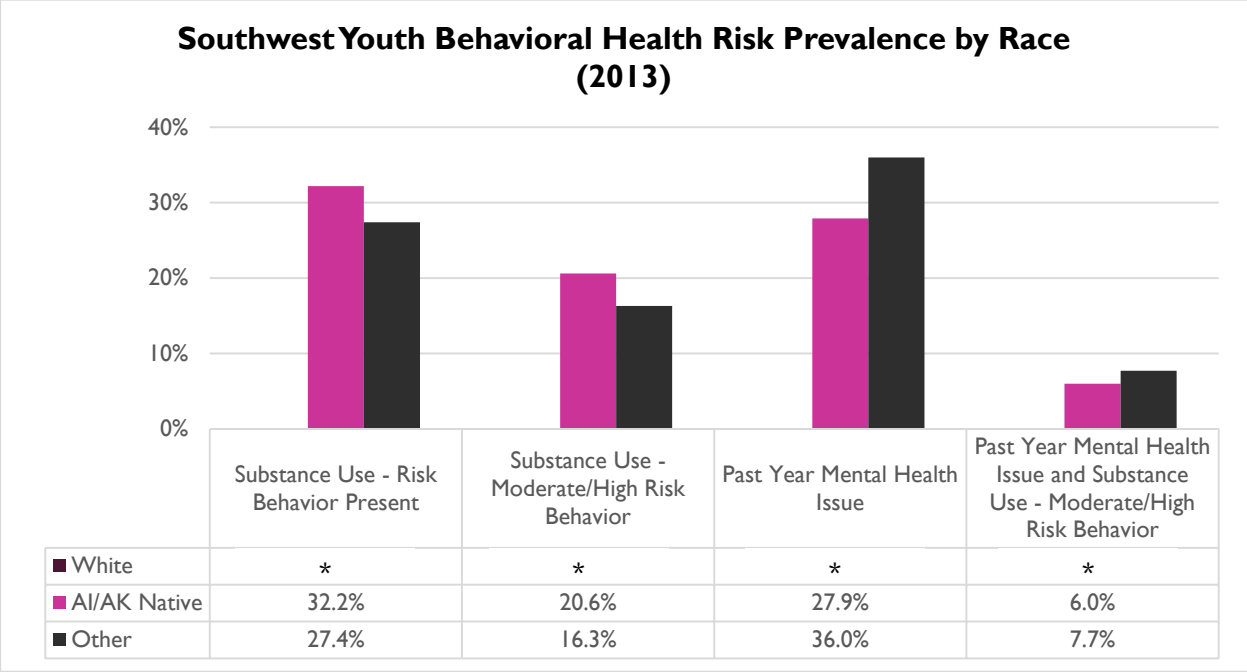


Figure 11 Southwest Youth Behavioral Health Risk Prevalence by Gender (2013)



	Substance Use - Risk Behavior Present	Substance Use - Moderate/High Risk Behavior	Past Year Mental Health Issue	Past Year Mental Health Issue and Substance Use - Moderate/High Risk Behavior
Male	27.4%	18.8%	19.3%	2.4%
Female	30.0%	15.7%	39.5%	10.8%

Figure 12 Southwest Youth Behavioral Health Risk Prevalence by Race (2013)



	Substance Use - Risk Behavior Present	Substance Use - Moderate/High Risk Behavior	Past Year Mental Health Issue	Past Year Mental Health Issue and Substance Use - Moderate/High Risk Behavior
White	*	*	*	*
AI/AK Native	32.2%	20.6%	27.9%	6.0%
Other	27.4%	16.3%	36.0%	7.7%

Figure 13 Alaska and Southwest Region Prevalence of Youth Behavioral Health Risk Behaviors and Issues

Alaska and Southwest Region Prevalence of Youth Behavioral Health Risk Behaviors and Issues									
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
Youth									
Alaska*	25,225	0.335	8,450	0.184	4,641	0.286	7,214	0.095	2,396
Southwest**	1,139	0.288	328	0.171	195	0.305	347	0.070	80
Southwest – Youth by Gender									
Male	596	0.274	163	0.188	112	0.193	115	0.024	14
Female	543	0.300	163	0.157	85	0.395	214	0.108	59
Southwest – Youth By Race* **									
White	293	DSU	-	DSU	-	DSU	-	DSU	-
AI or AK Native	508	0.322	164	0.206	105	0.279	142	0.060	30
Other	338	0.274	93	0.163	55	0.360	122	0.077	26

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.

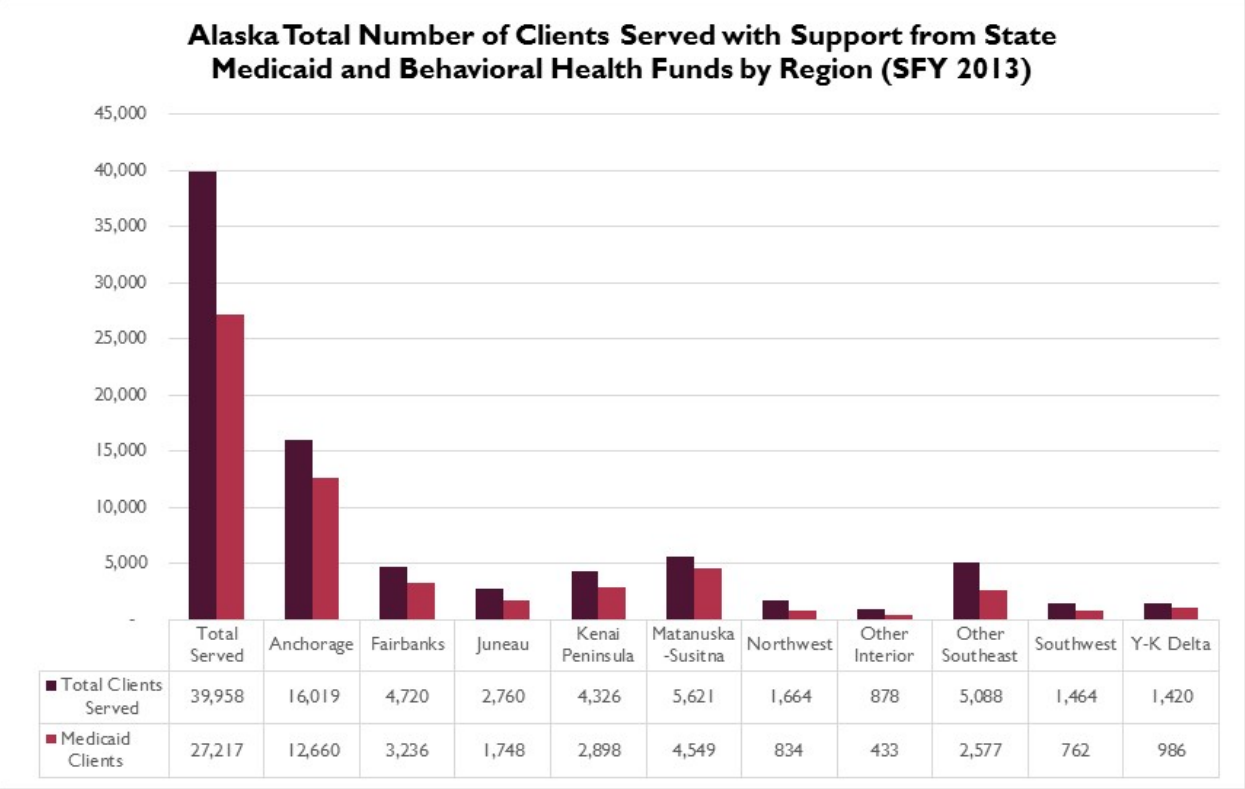
** Combined weighted and unweighted results for regional traditional, alternative, residential, vocational, and correctional high school students. Data are weighted if response rates of 60% were obtained for samples or 50% for census of students.

***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)



	Total Served	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska -Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta
Total Clients Served	39,958	16,019	4,720	2,760	4,326	5,621	1,664	878	5,088	1,464	1,420
Medicaid Clients	27,217	12,660	3,236	1,748	2,898	4,549	834	433	2,577	762	986

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)

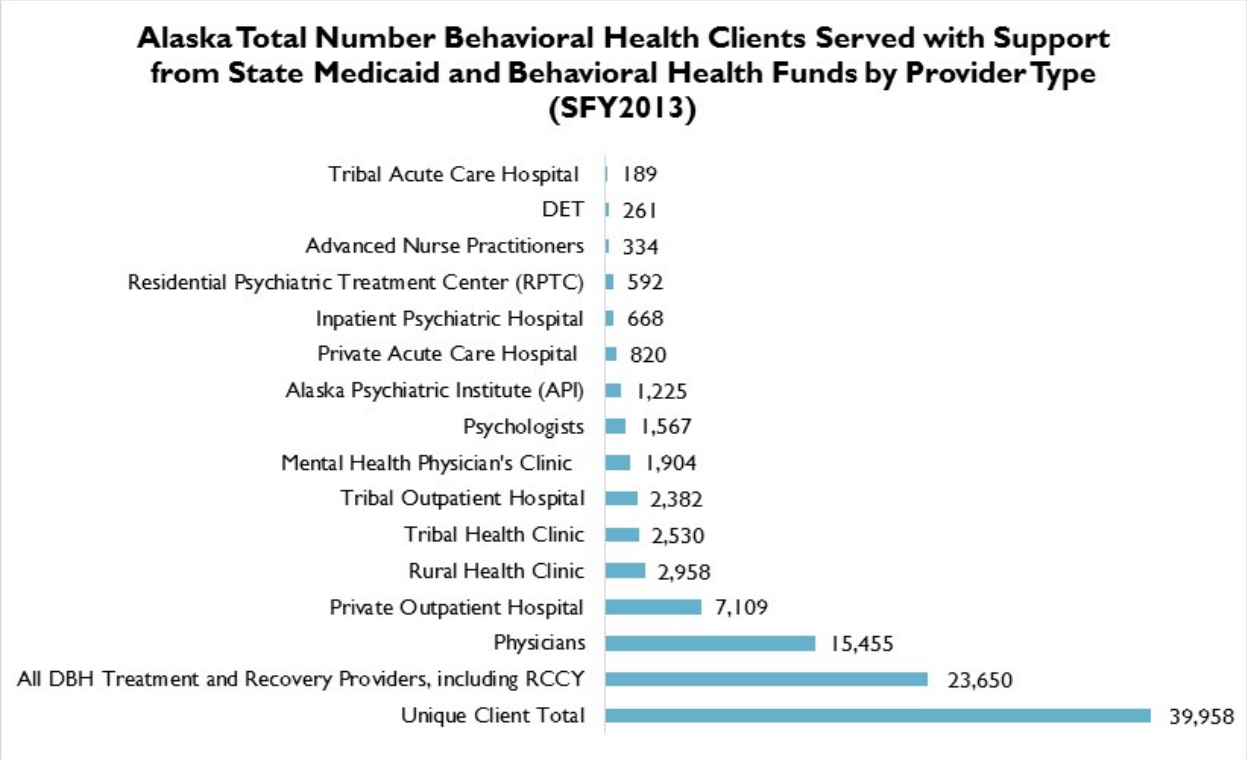
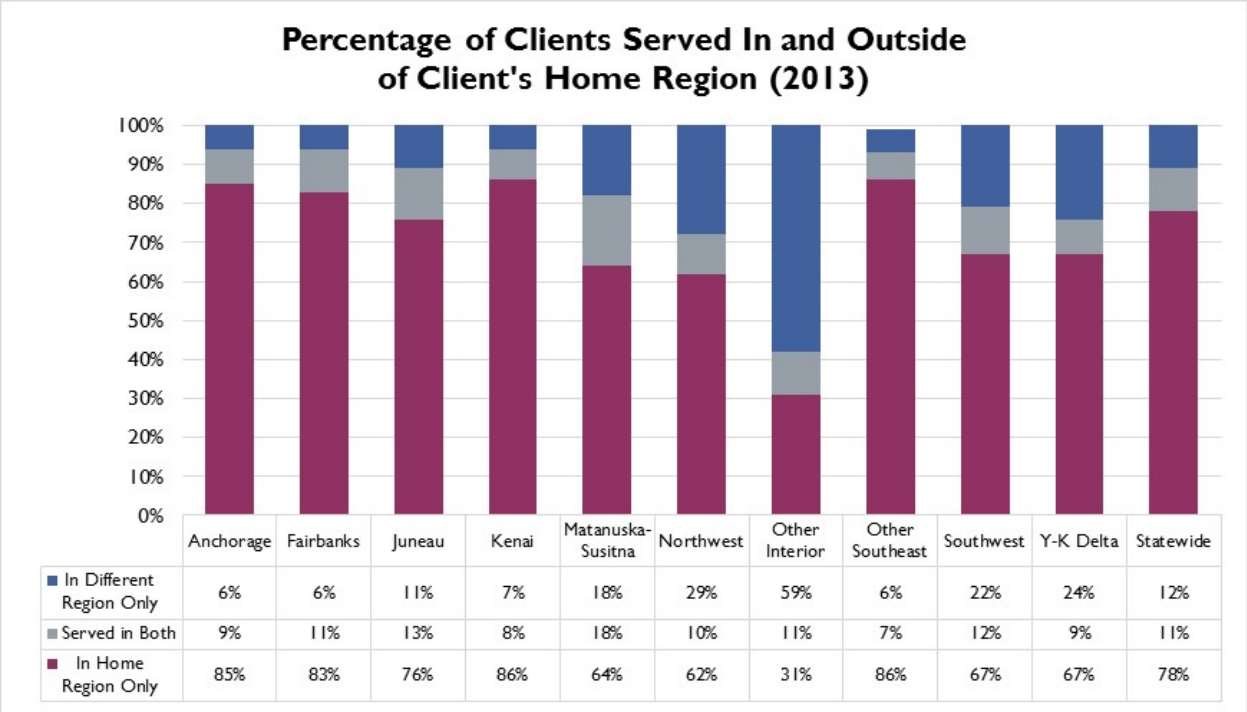


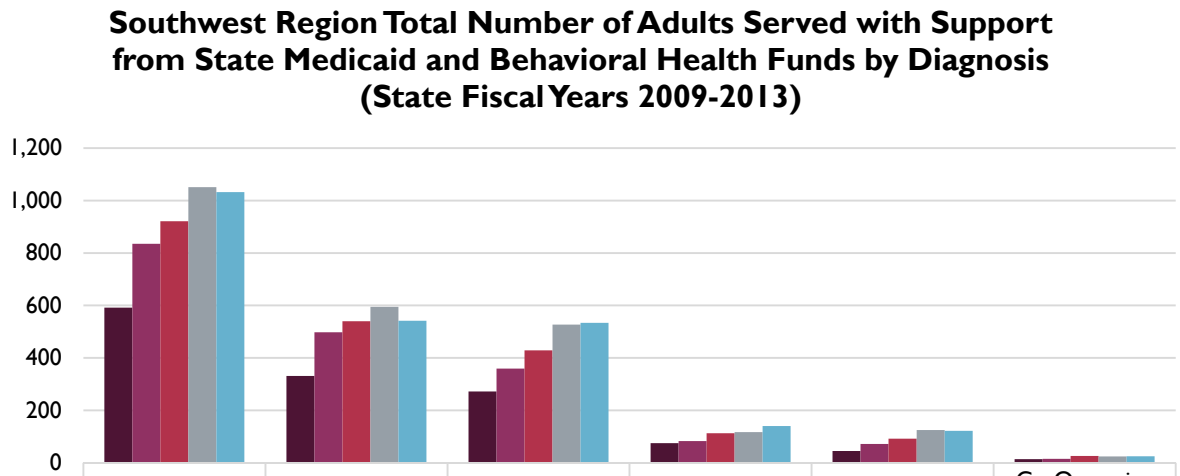
Figure 16 Percentage of Clients Served In and Outside of Client's Home Region (2013)



	Anchorage	Fairbanks	Juneau	Kenai	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta	Statewide
In Different Region Only	6%	6%	11%	7%	18%	29%	59%	6%	22%	24%	12%
Served in Both	9%	11%	13%	8%	18%	10%	11%	7%	12%	9%	11%
In Home Region Only	85%	83%	76%	86%	64%	62%	31%	86%	67%	67%	78%

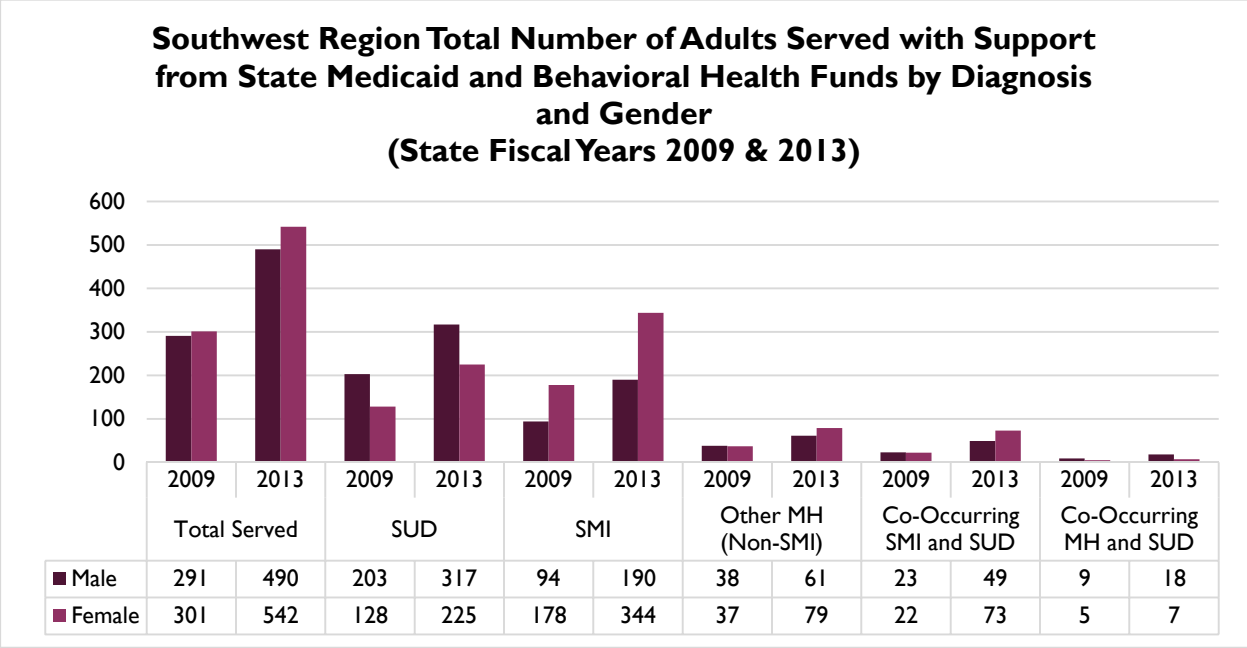
Adult Utilization Trends

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



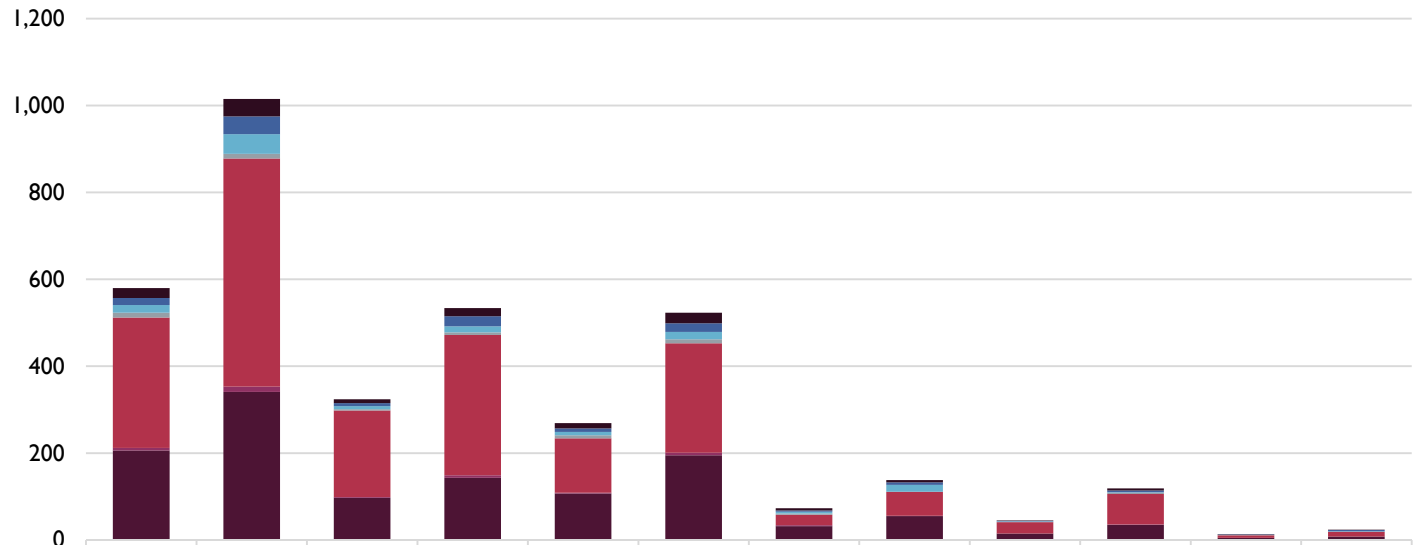
	Total Served	SUD	SMI	Other MH (Non-SMI)	Co-Occurring SMI and SUD	Co-Occurring Other MH and SUD
2009	592	331	272	75	45	14
2010	835	498	359	83	72	15
2011	921	540	429	113	92	26
2012	1,051	595	527	117	125	24
2013	1,032	542	534	140	122	25

Figure 18 Southwest Region Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Gender (State Fiscal Years 2009 & 2013)



	Total Served		SUD		SMI		Other MH (Non-SMI)		Co-Occurring SMI and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Male	291	490	203	317	94	190	38	61	23	49	9	18
Female	301	542	128	225	178	344	37	79	22	73	5	7

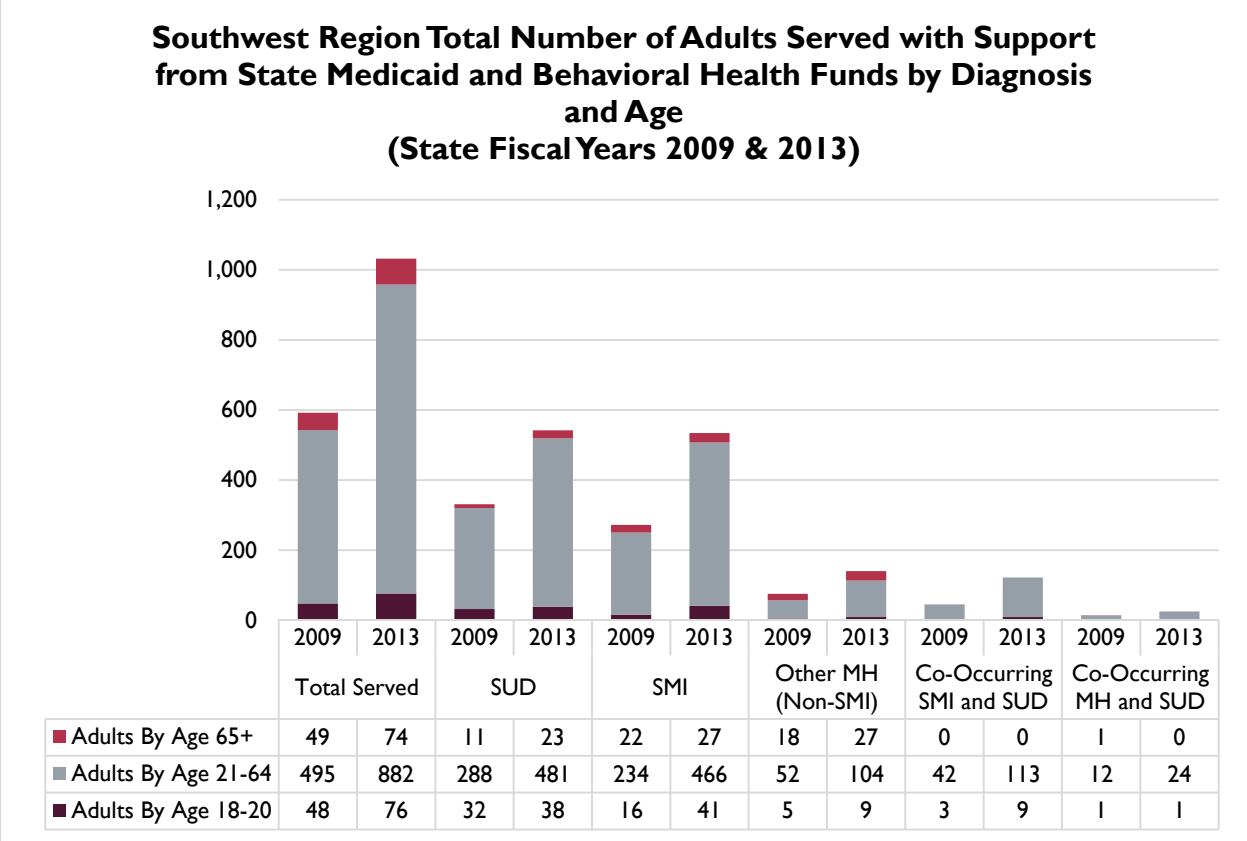
Figure 19 Southwest Region Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013)



	Total Served		SUD		SMI		Other MH (Non-SMI)		Co-Occurring SMI and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Hispanic	23	40	9	19	12	24	5	5	1	5	1	1
2 or More Races	16	41	7	23	8	20	3	6	1	4	1	3
Asian	18	45	7	14	8	17	4	16	1	1	0	1
Native Hawaiian / Pac Islander	11	11	3	6	7	9	3	0	1	3	1	0
AI or AK Native	300	525	199	323	125	252	24	55	26	70	6	11
Black	6	12	2	6	2	6	2	1	0	1	0	0
White	206	341	97	143	107	195	32	55	15	35	5	8

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

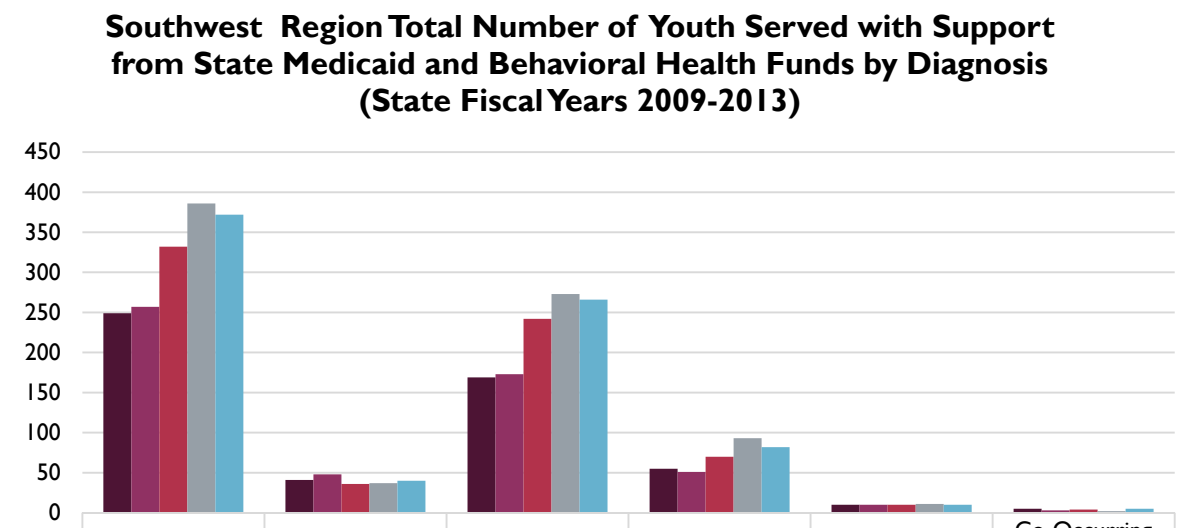
Figure 20 Southwest Region Total Number of Adults Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013)



	Total Served		SUD		SMI		Other MH (Non-SMI)		Co-Occurring SMI and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Adults By Age 65+	49	74	11	23	22	27	18	27	0	0	1	0
Adults By Age 21-64	495	882	288	481	234	466	52	104	42	113	12	24
Adults By Age 18-20	48	76	32	38	16	41	5	9	3	9	1	1

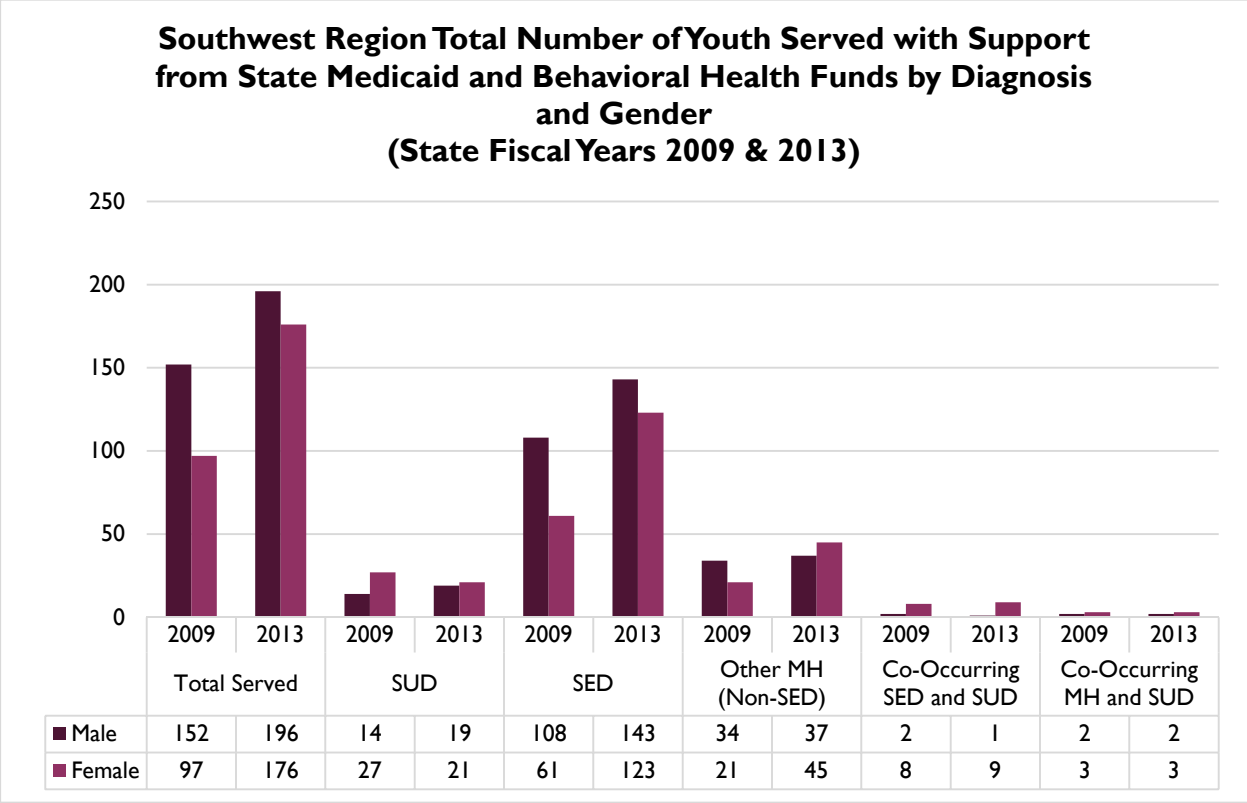
Youth Utilization Trends

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



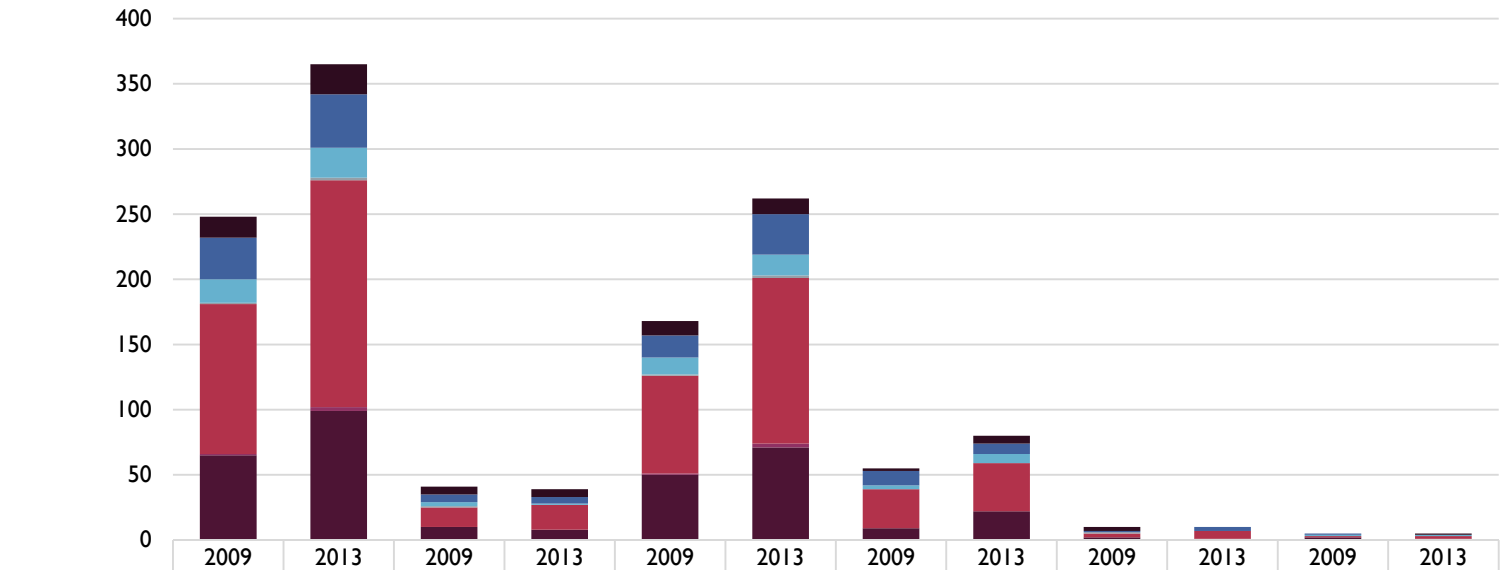
	Total Served	SUD	SED	Other MH (Non-SED)	Co-Occurring SED and SUD	Co-Occurring Other MH and SUD
2009	249	41	169	55	10	5
2010	257	48	173	51	10	3
2011	332	36	242	70	10	4
2012	386	37	273	93	11	2
2013	372	40	266	82	10	5

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



	Total Served		SUD		SED		Other MH (Non-SED)		Co-Occurring SED and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Male	152	196	14	19	108	143	34	37	2	1	2	2
Female	97	176	27	21	61	123	21	45	8	9	3	3

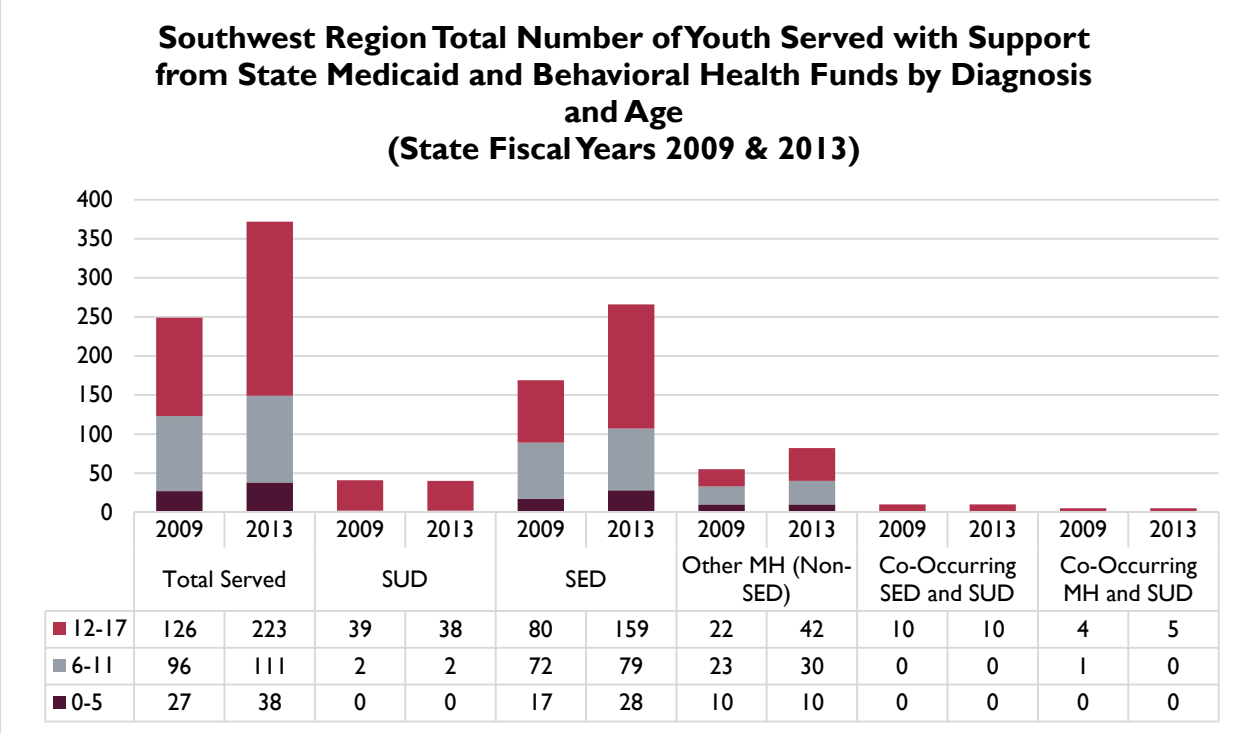
Figure 23 Southwest Region Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Race (State Fiscal Years 2009 & 2013)



	Total Served		SUD		SED		Other MH (Non-SED)		Co-Occurring SED and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
Hispanic	16	23	6	6	11	12	2	6	3	0	0	1
2 or More Races	32	41	6	5	17	31	11	8	1	3	1	0
Asian	18	23	3	1	13	16	3	7	0	0	1	1
Native Hawaiian / Pac Islander	1	2	1	0	1	2	0	0	1	0	0	0
AI or AK Native	115	174	15	19	75	127	30	37	3	6	1	2
Black	1	3	0	0	1	3	0	0	0	0	0	0
White	65	99	10	8	50	71	9	22	2	1	2	1

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 Southwest Region Total Number of Youth Served with Support from State Medicaid and Behavioral Health Funds by Diagnosis and Age (State Fiscal Years 2009 & 2013)



	Total Served		SUD		SED		Other MH (Non-SED)		Co-Occurring SED and SUD		Co-Occurring MH and SUD	
	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013	2009	2013
12-17	126	223	39	38	80	159	22	42	10	10	4	5
6-11	96	111	2	2	72	79	23	30	0	0	1	0
0-5	27	38	0	0	17	28	10	10	0	0	0	0

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	546,215	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

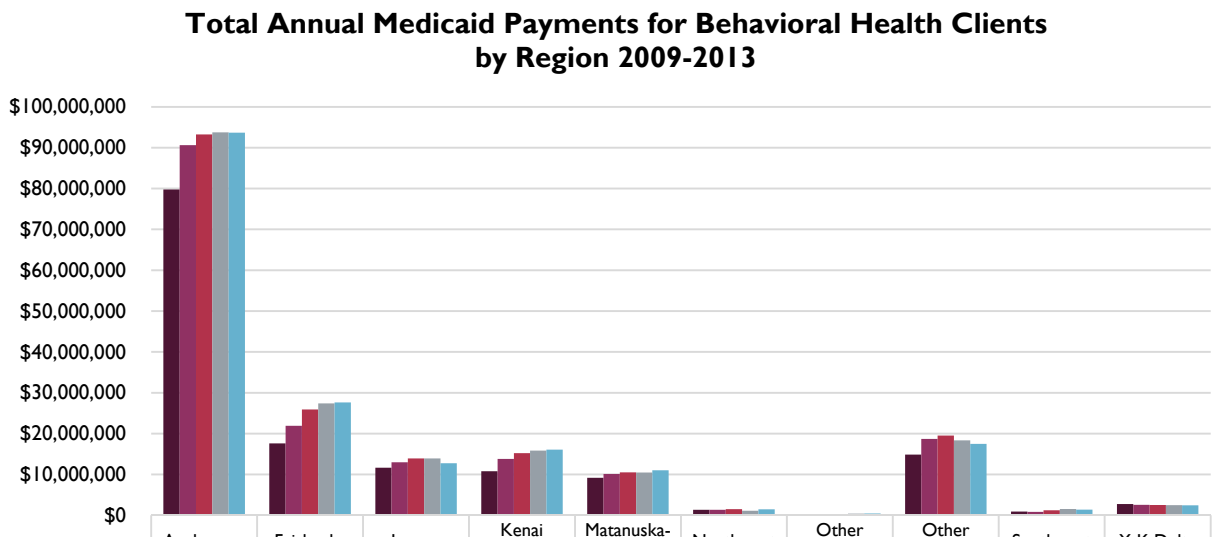
Figure 27 Number and Rate (per 1,000 Persons) of White Adults and American Indian/Alaska Native Adults Served With Support from State Medicaid and Behavioral Health Funds by Diagnosis and Region 2013

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

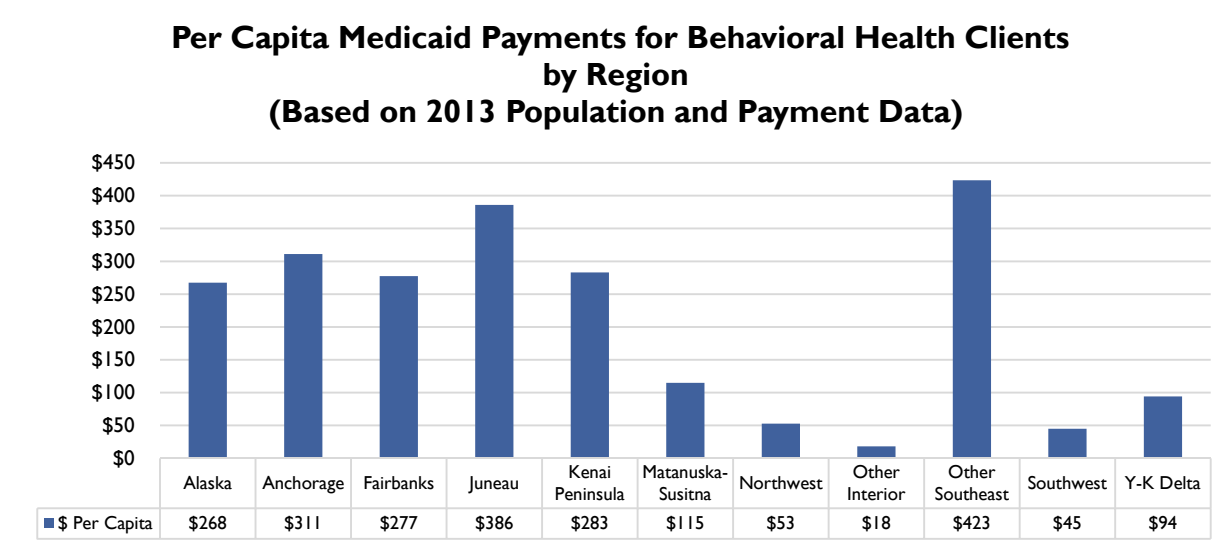
Figure 28 Total Annual Medicaid Payments for Behavioral Health Clients by Region 2009-2013



	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta
2009	$79,773,688	$17,607,893	$11,643,556	$10,793,191	$9,184,293	$1,331,897	$242,729	$14,856,472	$913,739	$2,743,395
2010	$90,612,967	$21,913,402	$12,990,177	$13,811,030	$10,127,168	$1,336,146	$283,213	$18,714,708	$835,811	$2,570,571
2011	$93,224,866	$25,903,169	$13,904,651	$15,211,591	$10,510,841	$1,507,327	$273,357	$19,528,519	$1,251,219	$2,536,191
2012	$93,757,299	$27,382,199	$13,929,399	$15,839,680	$10,495,498	$1,134,357	$405,051	$18,347,442	$1,553,137	$2,491,633
2013	$93,687,184	$27,637,618	$12,760,591	$16,090,494	$11,035,888	$1,456,407	$441,711	$17,492,678	$1,377,820	$2,434,767

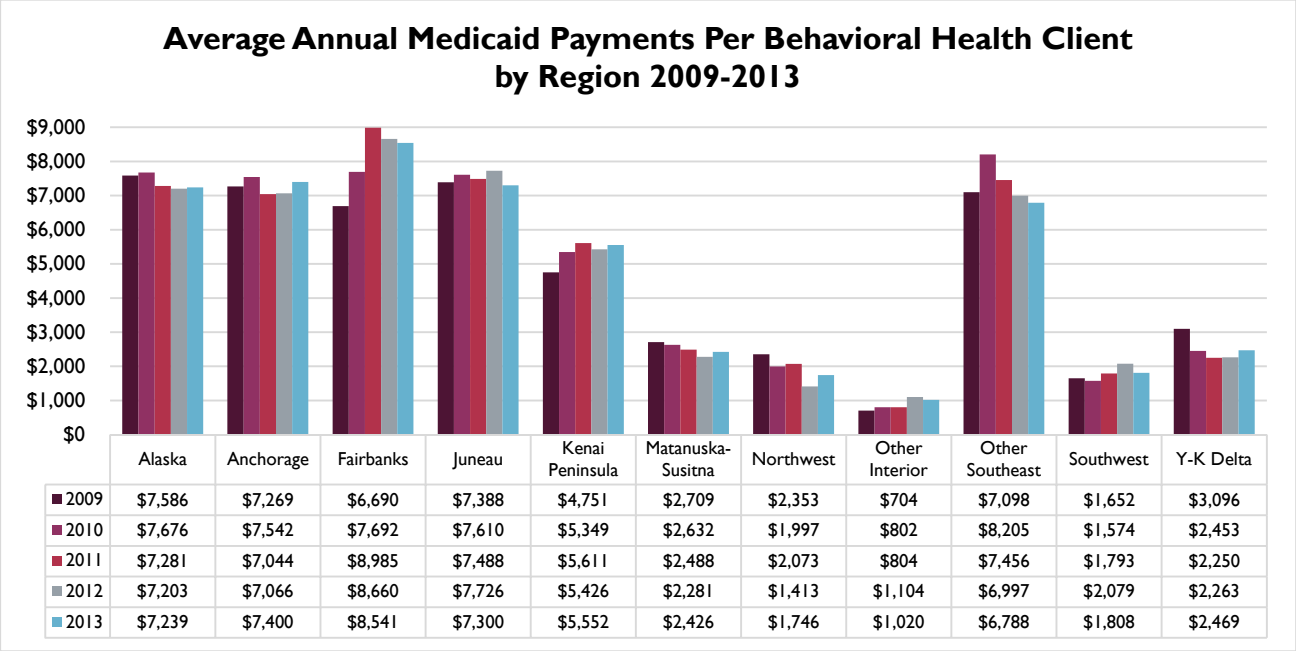
Note: In order to gauge regional provider billing, Medicaid Payments are based on service location not the client's home community in this and subsequent charts.

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



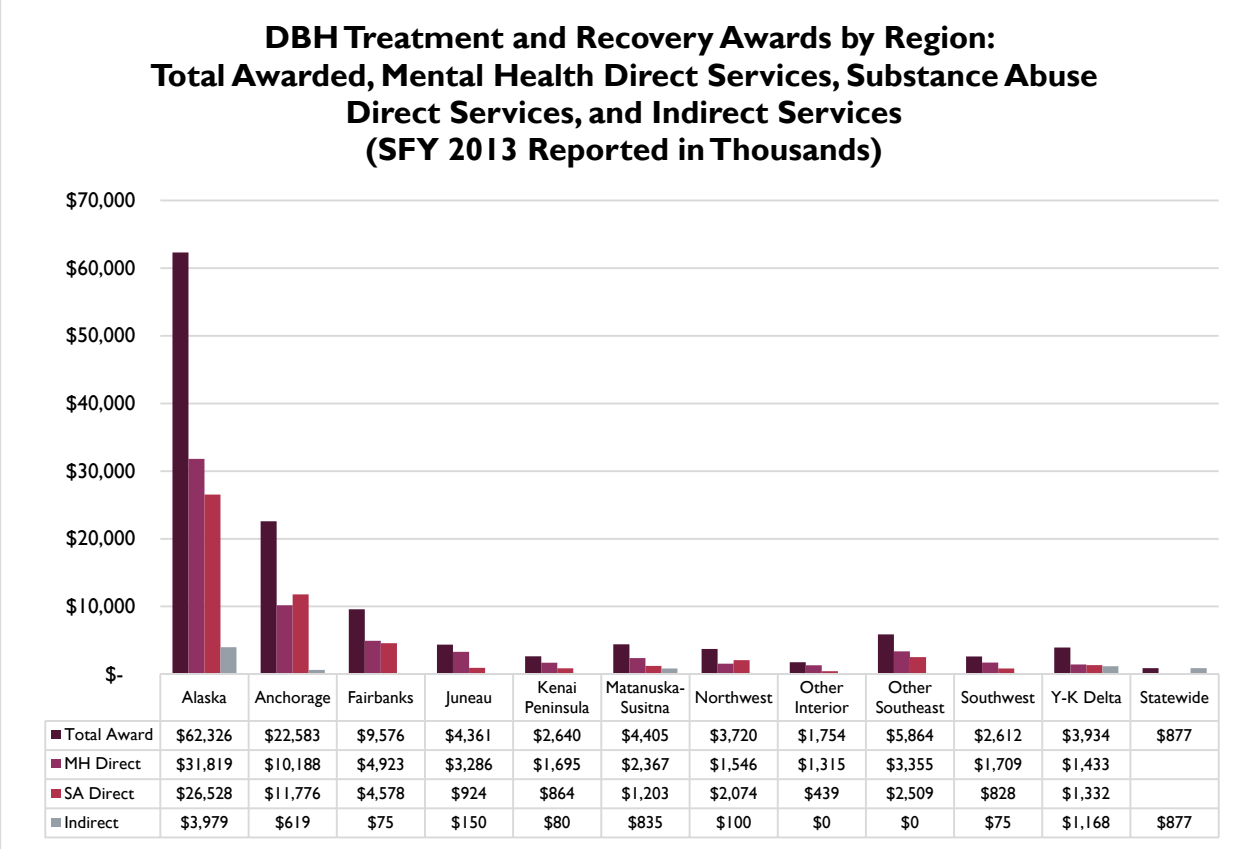
	Alaska	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta
$ Per Capita	$268	$311	$277	$386	$283	$115	$53	$18	$423	$45	$94

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



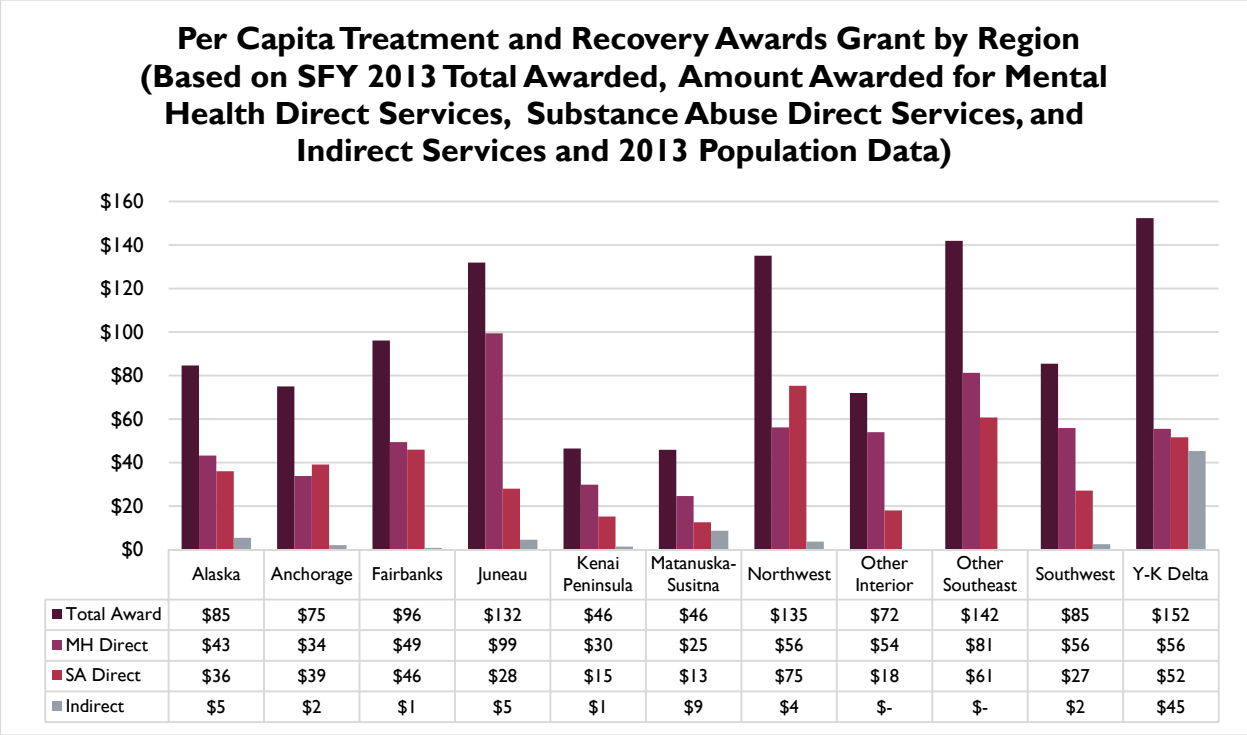
	Alaska	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta
2009	$7,586	$7,269	$6,690	$7,388	$4,751	$2,709	$2,353	$704	$7,098	$1,652	$3,096
2010	$7,676	$7,542	$7,692	$7,610	$5,349	$2,632	$1,997	$802	$8,205	$1,574	$2,453
2011	$7,281	$7,044	$8,985	$7,488	$5,611	$2,488	$2,073	$804	$7,456	$1,793	$2,250
2012	$7,203	$7,066	$8,660	$7,726	$5,426	$2,281	$1,413	$1,104	$6,997	$2,079	$2,263
2013	$7,239	$7,400	$8,541	$7,300	$5,552	$2,426	$1,746	$1,020	$6,788	$1,808	$2,469

Figure 31 DBH Treatment and Recovery Awards by Region SFY2013



	Alaska	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta	Statewide
Total Award	$62,326	$22,583	$9,576	$4,361	$2,640	$4,405	$3,720	$1,754	$5,864	$2,612	$3,934	$877
MH Direct	$31,819	$10,188	$4,923	$3,286	$1,695	$2,367	$1,546	$1,315	$3,355	$1,709	$1,433	
SA Direct	$26,528	$11,776	$4,578	$924	$864	$1,203	$2,074	$439	$2,509	$828	$1,332	
Indirect	$3,979	$619	$75	$150	$80	$835	$100	$0	$0	$75	$1,168	$877

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



	Alaska	Anchorage	Fairbanks	Juneau	Kenai Peninsula	Matanuska-Susitna	Northwest	Other Interior	Other Southeast	Southwest	Y-K Delta
Total Award	$85	$75	$96	$132	$46	$46	$135	$72	$142	$85	$152
MH Direct	$43	$34	$49	$99	$30	$25	$56	$54	$81	$56	$56
SA Direct	$36	$39	$46	$28	$15	$13	$75	$18	$61	$27	$52
Indirect	$5	$2	$1	$5	$1	$9	$4	$-	$-	$2	$45