

## Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

Children Ages 0-17 Enrolled in Medicaid, SFY 2011 - SFY 2015

FEBRUARY 2018

This dashboard provides a snapshot of the behavioral health needs, characteristics, and outcomes of children (age 0-17) and youth (age 12-17 subgroup) on Medicaid in Washington State. This information can help to identify cross-system opportunities for behavioral health service delivery. Rates of behavioral health needs are compared across demographic categories, foster care status, region, Medicaid coverage type, cross-system involvement, abuse and neglect history, and parental risk factors. Outcomes examined include behavioral health treatment penetration and utilization, psychotropic polypharmacy, juvenile justice involvement, emergency department utilization, and injury rates.

Differences between behavioral health needs and outcomes of children in foster care and in the broader group of those enrolled in Medicaid are highlighted. Consistent with research from other states, findings identify a substantially higher prevalence of behavioral health problems among children in foster care compared to others receiving publicly funded medical coverage (dosReis et al. 2001; Burns et al. 2004; Leslie et al. 2004; Braciszewski and Stout 2012; Havlicek, Garcia, and Smith 2013). Previous research has identified past exposure to adverse experiences — including such factors as economic deprivation, instability in living situation, family conflict, trauma and abuse, and exposure to parental mental illness or substance use disorder — as contributing factors to foster children's greater behavioral health needs, more frequent behavioral health service utilization, and higher behavioral health system costs (Hawkins, Catalano, and Miller 1992; Burns et al. 2004; Braciszewski and Stout 2012; Lucenko et al. 2012; Patton et al. forthcoming).



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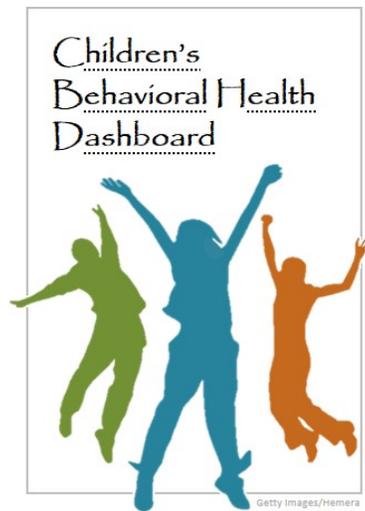
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## SECTION 1

# Characteristics and Risk Factors

## A. Population Reference Table, SFY 2011-2015

SFY 2011 - SFY 2015 • BEHAVIORAL HEALTH TREATMENT NEEDS (MEASURED IN CURRENT AND PREVIOUS SFY)

STATE FISCAL YEAR	IN FOSTER CARE										ALL MEDICAID									
	2011		2012		2013		2014		2015		2011		2012		2013		2014		2015	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>TOTAL PERSONS AGE 0 – 17</b>	<b>14,482</b>	<b>100%</b>	<b>13,899</b>	<b>100%</b>	<b>14,085</b>	<b>100%</b>	<b>14,995</b>	<b>100%</b>	<b>15,086</b>	<b>100%</b>	<b>777,523</b>	<b>100%</b>	<b>791,280</b>	<b>100%</b>	<b>797,678</b>	<b>100%</b>	<b>828,909</b>	<b>100%</b>	<b>848,557</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	6,967	48%	6,713	48%	6,893	49%	7,470	50%	7,545	50%	656,227	84%	663,384	84%	666,211	84%	693,307	84%	706,028	83%
MH Tx need	7,426	51%	7,127	51%	7,126	51%	7,445	50%	7,488	50%	116,253	15%	122,943	16%	126,621	16%	130,759	16%	138,056	16%
SUD Tx need	897	6%	832	6%	886	6%	935	6%	898	6%	12,838	2%	13,215	2%	13,495	2%	13,864	2%	13,867	2%
Co-occurring Tx need (MH + SUD)	808	6%	773	6%	820	6%	855	6%	845	6%	7,795	1%	8,262	1%	8,649	1%	9,021	1%	9,394	1%
<b>BY AGE: PERSONS 0 – 4 YEARS</b>	<b>6,491</b>	<b>100%</b>	<b>6,396</b>	<b>100%</b>	<b>6,599</b>	<b>100%</b>	<b>6,855</b>	<b>100%</b>	<b>6,811</b>	<b>100%</b>	<b>292,270</b>	<b>100%</b>	<b>291,825</b>	<b>100%</b>	<b>286,999</b>	<b>100%</b>	<b>286,202</b>	<b>100%</b>	<b>287,876</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	5,179	80%	5,023	79%	5,173	78%	5,512	80%	5,503	81%	278,918	95%	277,630	95%	273,560	95%	273,571	96%	275,272	96%
MH Tx need	1,312	20%	1,373	21%	1,426	22%	1,343	20%	1,308	19%	13,352	5%	14,195	5%	13,439	5%	12,631	4%	12,604	4%
<b>BY AGE: PERSONS 5 – 11 YEARS</b>	<b>4,288</b>	<b>100%</b>	<b>4,078</b>	<b>100%</b>	<b>4,230</b>	<b>100%</b>	<b>4,756</b>	<b>100%</b>	<b>4,923</b>	<b>100%</b>	<b>284,482</b>	<b>100%</b>	<b>293,398</b>	<b>100%</b>	<b>300,888</b>	<b>100%</b>	<b>316,986</b>	<b>100%</b>	<b>327,476</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	1,188	28%	1,129	28%	1,207	29%	1,419	30%	1,488	30%	233,587	82%	239,769	82%	245,200	81%	260,267	82%	268,330	82%
MH Tx need	3,100	72%	2,949	72%	3,023	71%	3,337	70%	3,435	70%	50,895	18%	53,629	18%	55,688	19%	56,719	18%	59,146	18%
<b>BY AGE: PERSONS 12 – 17 YEARS</b>	<b>3,703</b>	<b>100%</b>	<b>3,425</b>	<b>100%</b>	<b>3,256</b>	<b>100%</b>	<b>3,384</b>	<b>100%</b>	<b>3,352</b>	<b>100%</b>	<b>200,771</b>	<b>100%</b>	<b>206,057</b>	<b>100%</b>	<b>209,791</b>	<b>100%</b>	<b>225,721</b>	<b>100%</b>	<b>233,205</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	600	16%	561	16%	513	16%	539	16%	554	17%	143,722	72%	145,985	71%	147,451	70%	159,469	71%	162,426	70%
MH Tx need	3,014	81%	2,805	82%	2,677	82%	2,765	82%	2,745	82%	52,006	26%	55,119	27%	57,494	27%	61,409	27%	66,306	28%
SUD Tx need	897	24%	832	24%	886	27%	935	28%	898	27%	12,838	6%	13,215	6%	13,495	6%	13,864	6%	13,867	6%
Co-occurring Tx need (MH + SUD)	808	22%	773	23%	820	25%	855	25%	845	25%	7,795	4%	8,262	4%	8,649	4%	9,021	4%	9,394	4%

### DEFINITIONS

Number and proportion of Medicaid children, by foster care status, who have no known behavioral health (BH) treatment need, mental health (MH) treatment need, substance use disorder treatment need (SUD), or co-occurring treatment need (COD = MH + SUD) in the current or previous SFY. Children with mental health treatment need (MH) have a mental health-related diagnosis, procedure, prescription, or treatment in the current or previous SFY. Children with SUD treatment need have at least one substance-related diagnosis, procedure, prescription, treatment, or arrest in the current or previous SFY. Children with COD have indications of both mental health treatment need (MH) and substance use disorder treatment need (SUD) in the same two-year time window. As substance use disorder treatment need is rare before adolescence, SUD and COD are unmeasured for children under age 12. See technical notes for more detailed definitions.

### SOURCE & POPULATION

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



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## B. Indications of Mental Health Treatment Need, SFY 2015

SFY 2015 COHORT • MENTAL HEALTH TREATMENT NEEDS (MEASURED IN CURRENT AND PREVIOUS SFY)

AGE GROUP	IN FOSTER CARE						ALL MEDICAID					
	Age 0 – 4		Age 5 – 11		Age 12 – 17		Age 0 – 4		Age 5 – 11		Age 12 – 17	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>TOTAL POPULATION</b>	<b>6,811</b>	<b>100%</b>	<b>4,923</b>	<b>100%</b>	<b>3,352</b>	<b>100%</b>	<b>287,876</b>	<b>100%</b>	<b>327,476</b>	<b>100%</b>	<b>233,205</b>	<b>100%</b>
<b>Mental Health Treatment Need (SFY 2014-2015)</b>	<b>1,308</b>	<b>19%</b>	<b>3,435</b>	<b>70%</b>	<b>2,745</b>	<b>82%</b>	<b>12,604</b>	<b>4%</b>	<b>59,146</b>	<b>18%</b>	<b>66,306</b>	<b>28%</b>
<b>Indication of MH Tx Need in SFY 2014</b>	<b>568</b>	<b>8%</b>	<b>2,390</b>	<b>49%</b>	<b>2,210</b>	<b>66%</b>	<b>5,567</b>	<b>2%</b>	<b>39,521</b>	<b>12%</b>	<b>45,661</b>	<b>20%</b>
<b>Indication of MH Tx Need in SFY 2015</b>	<b>1,068</b>	<b>16%</b>	<b>3,045</b>	<b>62%</b>	<b>2,411</b>	<b>72%</b>	<b>9,063</b>	<b>3%</b>	<b>46,716</b>	<b>14%</b>	<b>51,982</b>	<b>22%</b>
<b>SFY 2015 Detail ▼</b>												
<b>Diagnoses, SFY 2015</b>	<b>926</b>	<b>14%</b>	<b>2,891</b>	<b>59%</b>	<b>2,222</b>	<b>66%</b>	<b>7,222</b>	<b>3%</b>	<b>42,036</b>	<b>13%</b>	<b>44,459</b>	<b>19%</b>
Psychotic disorder	6	<1%	67	1%	220	7%	54	<1%	376	<1%	1,735	1%
Mania or bipolar disorder	23	<1%	213	4%	416	12%	205	<1%	2,688	1%	4,721	2%
Depression	27	<1%	386	8%	1,052	31%	192	<1%	5,156	2%	20,473	9%
Anxiety	357	5%	1,542	31%	1,260	38%	2,445	1%	15,773	5%	19,489	8%
ADHD	122	2%	920	19%	695	21%	1,280	<1%	20,792	6%	14,432	6%
Disruptive/impulse/conduct disorder	254	4%	638	13%	526	16%	2,991	1%	9,731	3%	5,324	2%
Adjustment disorder	394	6%	1,032	21%	500	15%	1,469	1%	6,840	2%	5,224	2%
<b>Prescriptions Filled</b>	<b>98</b>	<b>1%</b>	<b>986</b>	<b>20%</b>	<b>1,288</b>	<b>38%</b>	<b>1,953</b>	<b>1%</b>	<b>23,144</b>	<b>7%</b>	<b>30,275</b>	<b>13%</b>
Antipsychotic medications	5	<1%	175	4%	422	13%	82	<1%	1,937	1%	3,818	2%
Antimania medications	0	0%	5	<1%	42	1%	0	0%	45	<1%	331	<1%
Antidepressants	12	<1%	263	5%	821	24%	80	<1%	4,149	1%	15,348	7%
Antianxiety medications	60	1%	126	3%	335	10%	1,501	1%	3,141	1%	7,366	3%
ADHD medications	28	<1%	803	16%	606	18%	361	<1%	18,608	6%	13,587	6%
<b>Mental Health Services</b>	<b>953</b>	<b>14%</b>	<b>2,762</b>	<b>56%</b>	<b>2,133</b>	<b>64%</b>	<b>5,451</b>	<b>2%</b>	<b>27,688</b>	<b>8%</b>	<b>29,504</b>	<b>13%</b>
DBHR Outpatient Mental Health Services	652	10%	2,338	47%	1,752	52%	2,724	1%	20,490	6%	23,219	10%
DBHR Inpatient Mental Health Services	0	0%	48	1%	167	5%	2	<1%	191	<1%	1,227	1%
CA Behavioral Rehabilitation Services	16	<1%	263	5%	651	19%	16	<1%	283	<1%	674	<1%
HCA Mental Health Services	356	5%	852	17%	702	21%	3,094	1%	11,203	3%	10,920	5%
Tribal Mental Health Services	85	1%	333	7%	247	7%	406	<1%	2,878	1%	2,800	1%

### SOURCE & POPULATION

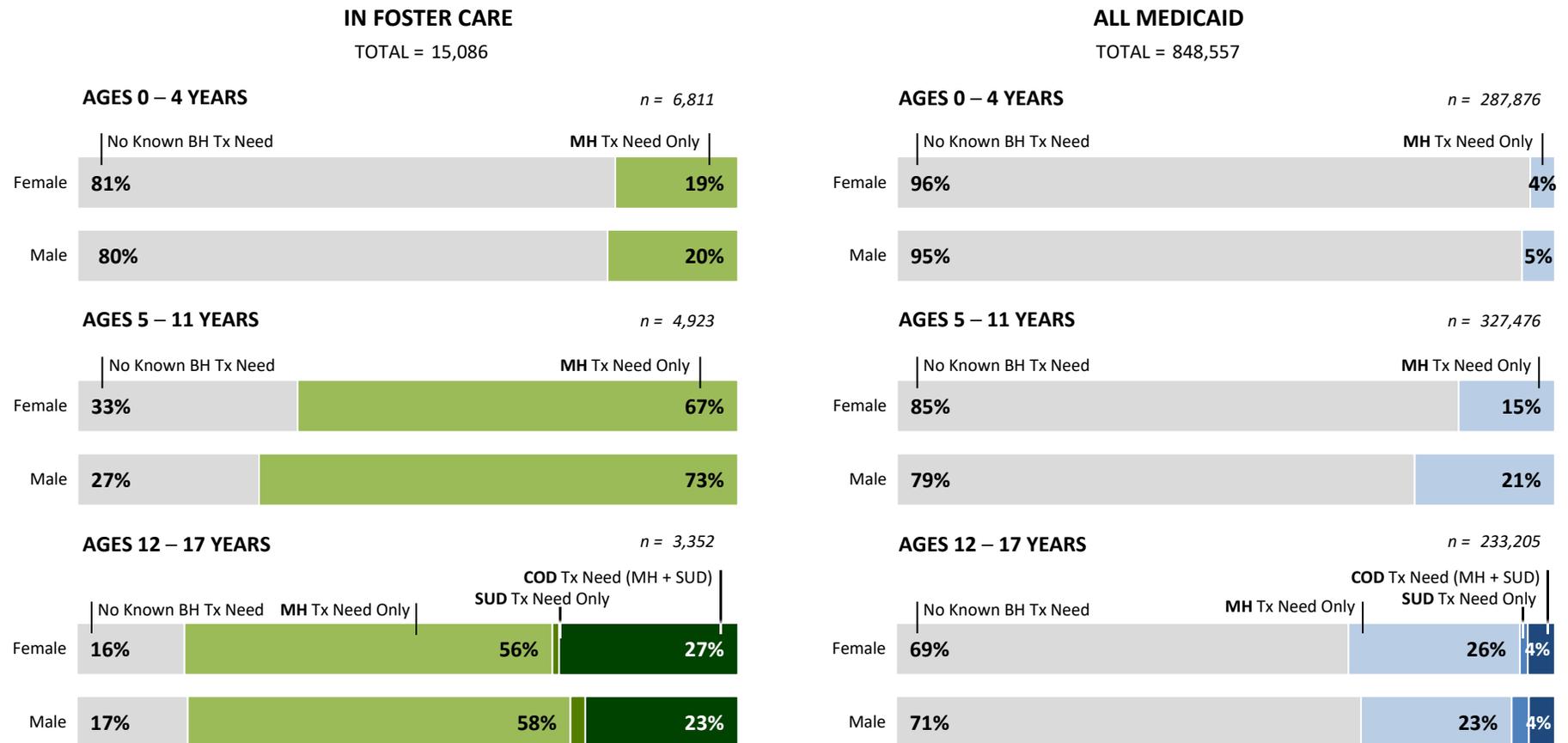
DSHS Integrated Client Database. Children in foster care ever in SFY 2015, and all children with Medicaid coverage in SFY 2015. Children with a mental health treatment need have at least one indication (diagnosis, procedure, prescription, treatment) in a two-year period (SFY 2014-SFY 2015). Detail is shown here only for indications that occur in SFY 2015. The percentages shown represent proportions of the total population, not the sub-population with an identified mental health treatment need.



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## C. Behavioral Health Treatment Needs of Medicaid Children, by Demographic Group and Foster Care Status, SFY 2015

SFY 2015 COHORT • BEHAVIORAL HEALTH TREATMENT NEEDS (MEASURED IN CURRENT AND PREVIOUS SFY)



### SOURCE & POPULATION

DSHS Integrated Client Database. Children in foster care ever in SFY 2015, and all children with Medicaid coverage (includes SCHIP) in SFY 2015.

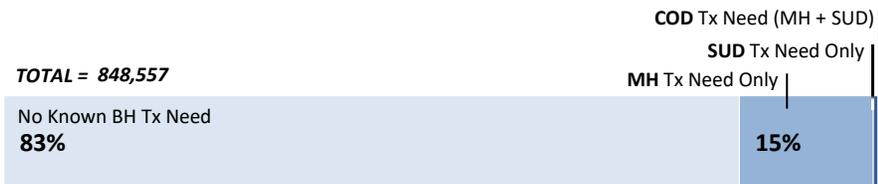


## D. Behavioral Health Treatment Needs of Medicaid Children, by Service Delivery System, SFY 2015

SFY 2015 COHORT • CHILDREN AGES 0 – 17 ENROLLED IN MEDICAID IN SFY 2015

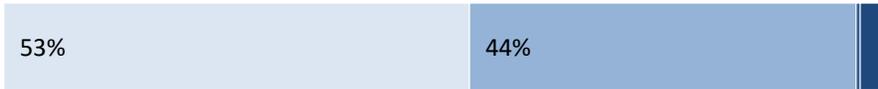
### TOTAL POPULATION WITH MEDICAID COVERAGE

All Age 0-17 on Medicaid (includes SCHIP)

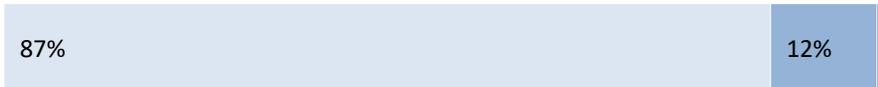


### BY TYPE OF COVERAGE (mutually exclusive)

...with Disability-Related Medicaid Coverage *n* = 19,040



...with SCHIP Coverage *n* = 38,626



...with Other Medicaid coverage (not disability or SCHIP) *n* = 790,891

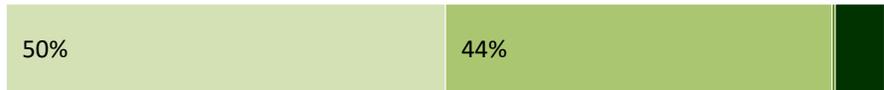


### CROSS-SYSTEM UTILIZATION FOR TOTAL POP WITH MEDICAID

(not mutually exclusive)

...in CA Foster Care

*n* = 15,086



...with any Children's Administration Services

*n* = 92,656



...with Juvenile Rehabilitation Services

*n* = 1,463



...with Developmental Disability (DDA) Services

*n* = 15,480



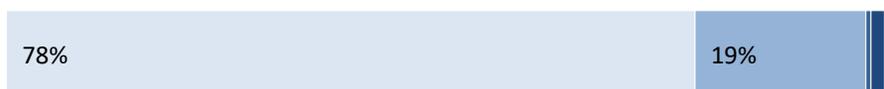
...with ESA Basic Food

*n* = 484,603



...with ESA TANF

*n* = 98,687



### SOURCE & POPULATION

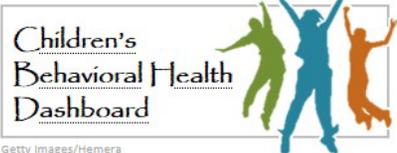
DSHS Integrated Client Database. All children age 0-17 with Medicaid coverage (includes SCHIP) in SFY 2015.

SUPPORTING TABLES | **D. Behavioral Health Treatment Needs of Medicaid Children, by Service Delivery System, SFY 2015**

DELIVERY SYSTEM	ALL MEDICAID																			
	All Children Age 0-17 on Medicaid /SCHIP		With Disability-Related Medicaid Coverage		With SCHIP Coverage		With Other Medicaid Coverage (not disability or SCHIP)		In CA Foster Care		With any Children's Admin. Services		With Juvenile Rehabilitation Services		With DDA Services		With ESA Basic Food		With ESA TANF	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>TOTAL PERSONS AGE 0 – 17</b>	<b>848,557</b>	<b>100%</b>	<b>19,040</b>	<b>100%</b>	<b>38,626</b>	<b>100%</b>	<b>790,891</b>	<b>100%</b>	<b>15,086</b>	<b>100%</b>	<b>92,656</b>	<b>100%</b>	<b>1,463</b>	<b>100%</b>	<b>15,480</b>	<b>100%</b>	<b>484,603</b>	<b>100%</b>	<b>98,687</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	706,028	83%	10,026	53%	33,492	87%	662,510	84%	7,545	50%	58,362	63%	175	12%	10,882	70%	396,517	82%	77,415	78%
MH Tx need	138,056	16%	8,923	47%	4,992	13%	124,141	16%	7,488	50%	33,441	36%	1,085	74%	4,586	30%	85,215	18%	20,691	21%
SUD Tx need	13,867	2%	687	4%	464	1%	12,716	2%	898	6%	4,556	5%	969	66%	108	1%	8,825	2%	2,090	2%
Co-occurring Tx need (MH + SUD)	9,394	1%	596	3%	322	1%	8,476	1%	845	6%	3,703	4%	766	52%	96	1%	5,954	1%	1,509	2%
<b>BY AGE: PERSONS 0 – 4 YEARS</b>	<b>287,876</b>	<b>100%</b>	<b>3,055</b>	<b>100%</b>	<b>9,529</b>	<b>100%</b>	<b>275,292</b>	<b>100%</b>	<b>6,811</b>	<b>100%</b>	<b>28,511</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>9,650</b>	<b>100%</b>	<b>171,711</b>	<b>100%</b>	<b>42,638</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	275,272	96%	2,564	84%	9,277	97%	263,431	96%	5,503	81%	25,222	88%	0	0%	8,293	86%	162,786	95%	39,594	93%
MH Tx need	12,604	4%	491	16%	252	3%	11,861	4%	1,308	19%	3,289	12%	0	0%	1,357	14%	8,925	5%	3,044	7%
<b>BY AGE: PERSONS 5 – 11 YEARS</b>	<b>327,476</b>	<b>100%</b>	<b>8,255</b>	<b>100%</b>	<b>15,362</b>	<b>100%</b>	<b>303,859</b>	<b>100%</b>	<b>4,923</b>	<b>100%</b>	<b>37,313</b>	<b>100%</b>	<b>3</b>	<b>100%</b>	<b>2,920</b>	<b>100%</b>	<b>192,496</b>	<b>100%</b>	<b>35,543</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	268,330	82%	4,332	52%	13,568	88%	250,430	82%	1,488	30%	22,199	59%	0	0%	1,465	50%	153,922	80%	25,726	72%
MH Tx need	59,146	18%	3,923	48%	1,794	12%	53,429	18%	3,435	70%	15,114	41%	3	100%	1,455	50%	38,574	20%	9,817	28%
<b>BY AGE: PERSONS 12 – 17 YEARS</b>	<b>233,205</b>	<b>100%</b>	<b>7,730</b>	<b>100%</b>	<b>13,735</b>	<b>100%</b>	<b>211,740</b>	<b>100%</b>	<b>3,352</b>	<b>100%</b>	<b>26,832</b>	<b>100%</b>	<b>1,460</b>	<b>100%</b>	<b>2,910</b>	<b>100%</b>	<b>120,396</b>	<b>100%</b>	<b>20,506</b>	<b>100%</b>
No known BH Tx need (MH, SUD)	162,426	70%	3,130	40%	10,647	78%	148,649	70%	554	17%	10,941	41%	175	12%	1,124	39%	79,809	66%	12,095	59%
MH Tx need	66,306	28%	4,509	58%	2,946	21%	58,851	28%	2,745	82%	15,038	56%	1,082	74%	1,774	61%	37,716	31%	7,830	38%
SUD Tx need	13,867	6%	687	9%	464	3%	12,716	6%	898	27%	4,556	17%	969	66%	108	4%	8,825	7%	2,090	10%
Co-occurring Tx need (MH + SUD)	9,394	4%	596	8%	322	2%	8,476	4%	845	25%	3,703	14%	766	52%	96	3%	5,954	5%	1,509	7%

**NOTES**

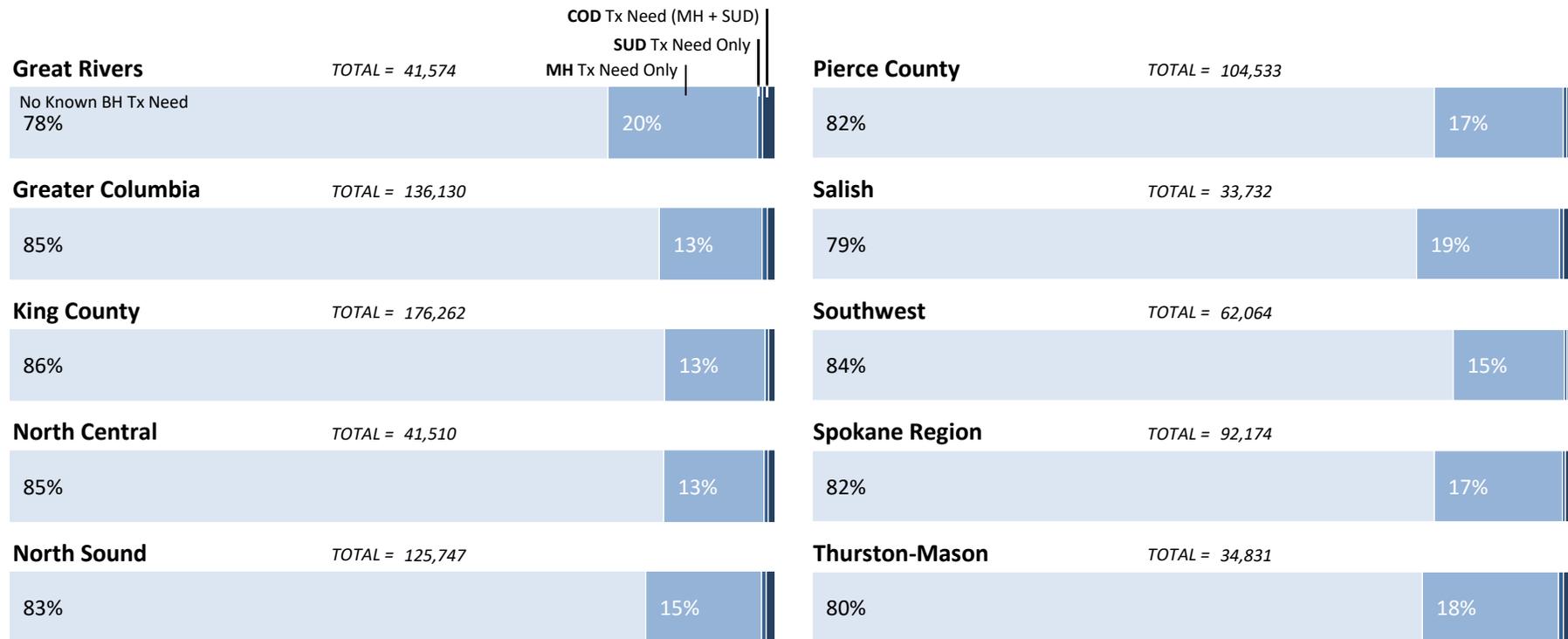
The total population of children age 0-17 enrolled in Medicaid/SCHIP in SFY 2015 is broken into three mutually exclusive subgroups, by type of coverage in the first month of coverage in SFY 2015: (1) disability-related coverage; (2) SCHIP; (3) other Medicaid coverage (neither disability-related nor SCHIP). Rates of behavioral health needs are compared across subgroups. Need rates are also examined by non-mutually-exclusive subgroups determined by service utilization in SFY 2015 in six DSHS service types: (1) Foster Care (Children's Admin.); (2) Any Children's Administration Service; (3) Juvenile Rehabilitation Services; (4) Development Disabilities (DDA) Services; (5) Basic Food (food assistance through Economic Services Admin. ); (6) TANF (Cash assistance through Economic Services Admin.).



# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

## E. Behavioral Health Treatment Needs of Medicaid Children, by Region, SFY 2015

SFY 2015 COHORT • CHILDREN AGES 0 – 17 ENROLLED IN MEDICAID IN SFY 2015



- Salish**  
Clallam  
Jefferson  
Kitsap
- Thurston-Mason**  
Mason  
Thurston
- North Sound**  
Island  
San Juan  
Skagit  
Snohomish  
Whatcom
- Pierce County**  
Pierce
- Greater Columbia**  
Asotin  
Benton  
Columbia  
Franklin  
Garfield  
Kittitas  
Klickitat  
Whitman  
Walla Walla  
Yakima
- Spokane Region**  
Adams  
Ferry  
Lincoln  
Okanogan  
Pend Oreille  
Spokane  
Stevens
- Great Rivers**  
Cowlitz  
Grays Harbor  
Lewis  
Pacific  
Wahkiakum
- Southwest**  
Clark  
Skamania
- King County**  
King
- North Central**  
Chelan  
Douglas  
Grant



**SOURCE & POPULATION:** DSHS Integrated Client Database. All children age 0-17 with Medicaid coverage (includes SCHIP) in SFY 2015.

SUPPORTING TABLES | E. Behavioral Health Treatment Needs of Medicaid Children, by Region, SFY 2015

REGION	ALL MEDICAID   SFY 2015																			
	Great Rivers		Greater Columbia		King County		North Central		North Sound		Pierce County		Salish		Southwest		Spokane Region		Thurston-Mason	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>TOTAL PERSONS AGE 0 – 17</b>	<b>41,574</b>	<b>100%</b>	<b>136,130</b>	<b>100%</b>	<b>176,262</b>	<b>100%</b>	<b>41,510</b>	<b>100%</b>	<b>125,747</b>	<b>100%</b>	<b>104,533</b>	<b>100%</b>	<b>33,732</b>	<b>100%</b>	<b>62,064</b>	<b>100%</b>	<b>92,174</b>	<b>100%</b>	<b>34,831</b>	<b>100%</b>
No known BH Tx need (MH or SUD)	32,502	78%	115,562	85%	150,842	86%	35,478	85%	104,492	83%	85,246	82%	26,723	79%	52,160	84%	75,160	82%	27,863	80%
MH Tx need	8,805	21%	19,643	14%	24,642	14%	5,796	14%	20,470	16%	18,786	18%	6,842	20%	9,687	16%	16,637	18%	6,748	19%
SUD Tx need	946	2%	2,316	2%	2,284	1%	607	1%	2,262	2%	1,623	2%	678	2%	860	1%	1,541	2%	750	2%
Co-occurring Tx need (MH + SUD)	679	2%	1,391	1%	1,506	1%	371	1%	1,477	1%	1,122	1%	511	2%	643	1%	1,164	1%	530	2%
<b>BY AGE: PERSONS 0 – 4 YEARS</b>	<b>13,787</b>	<b>100%</b>	<b>45,972</b>	<b>100%</b>	<b>60,988</b>	<b>100%</b>	<b>14,009</b>	<b>100%</b>	<b>42,638</b>	<b>100%</b>	<b>35,747</b>	<b>100%</b>	<b>11,278</b>	<b>100%</b>	<b>20,266</b>	<b>100%</b>	<b>31,177</b>	<b>100%</b>	<b>12,014</b>	<b>100%</b>
No known BH Tx need (MH or SUD)	13,155	95%	44,059	96%	58,492	96%	13,576	97%	40,906	96%	33,647	94%	10,627	94%	19,520	96%	29,961	96%	11,329	94%
MH Tx need	632	5%	1,913	4%	2,496	4%	433	3%	1,732	4%	2,100	6%	651	6%	746	4%	1,216	4%	685	6%
<b>BY AGE: PERSONS 5 – 11 YEARS</b>	<b>15,986</b>	<b>100%</b>	<b>53,514</b>	<b>100%</b>	<b>67,434</b>	<b>100%</b>	<b>16,250</b>	<b>100%</b>	<b>48,404</b>	<b>100%</b>	<b>40,275</b>	<b>100%</b>	<b>12,808</b>	<b>100%</b>	<b>24,084</b>	<b>100%</b>	<b>35,530</b>	<b>100%</b>	<b>13,191</b>	<b>100%</b>
No known BH Tx need (MH or SUD)	12,211	76%	45,067	84%	57,161	85%	13,758	85%	39,555	82%	32,258	80%	9,917	77%	19,791	82%	28,273	80%	10,339	78%
MH Tx need	3,775	24%	8,447	16%	10,273	15%	2,492	15%	8,849	18%	8,017	20%	2,891	23%	4,293	18%	7,257	20%	2,852	22%
<b>BY AGE: PERSONS 12 – 17 YEARS</b>	<b>11,801</b>	<b>100%</b>	<b>36,644</b>	<b>100%</b>	<b>47,840</b>	<b>100%</b>	<b>11,251</b>	<b>100%</b>	<b>34,705</b>	<b>100%</b>	<b>28,511</b>	<b>100%</b>	<b>9,646</b>	<b>100%</b>	<b>17,714</b>	<b>100%</b>	<b>25,467</b>	<b>100%</b>	<b>9,626</b>	<b>100%</b>
No known BH Tx need (MH or SUD)	7,136	60%	26,436	72%	35,189	74%	8,144	72%	24,031	69%	19,341	68%	6,179	64%	12,849	73%	16,926	66%	6,195	64%
MH Tx need	4,398	37%	9,283	25%	11,873	25%	2,871	26%	9,889	28%	8,669	30%	3,300	34%	4,648	26%	8,164	32%	3,211	33%
SUD Tx need	946	8%	2,316	6%	2,284	5%	607	5%	2,262	7%	1,623	6%	678	7%	860	5%	1,541	6%	750	8%
Co-occurring Tx need (MH + SUD)	679	6%	1,391	4%	1,506	3%	371	3%	1,477	4%	1,122	4%	511	5%	643	4%	1,164	5%	530	6%

**NOTES**

The total population of children age 0-17 enrolled in Medicaid/SCHIP in SFY 2015 is broken into ten mutually exclusive regions, based on Behavioral Health Organization boundaries.



## Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

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### F. Behavioral Health Treatment Needs of Medicaid Children, by Abuse and Neglect History, SFY 2015

SFY 2015 COHORT • BEHAVIORAL HEALTH TREATMENT NEEDS (MEASURED IN CURRENT AND PREVIOUS SFY)

ABUSE/NEGLECT HISTORY	IN FOSTER CARE										ALL MEDICAID			
	Abuse/Neglect History Unknown		Ever Abuse/Neglect		Ever Neglect		Ever Physical Abuse		Ever Sexual Abuse		No Known Abuse/Neglect		Ever Abuse/Neglect	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
<b>POPULATION PROPORTIONS (row %)</b>	<b>1,713</b>	<b>11%</b>	<b>13,373</b>	<b>89%</b>	<b>13,179</b>	<b>87%</b>	<b>6,083</b>	<b>40%</b>	<b>2,387</b>	<b>16%</b>	<b>618,167</b>	<b>73%</b>	<b>230,390</b>	<b>27%</b>
<b>PROPORTIONS WITH BH TX NEEDS (col. %)</b>														
<b>TOTAL PERSONS AGE 0 – 17</b>	<b>1,713</b>	<b>100%</b>	<b>13,373</b>	<b>100%</b>	<b>13,179</b>	<b>100%</b>	<b>6,083</b>	<b>100%</b>	<b>2,387</b>	<b>100%</b>	<b>618,167</b>	<b>100%</b>	<b>230,390</b>	<b>100%</b>
No known BH Tx need (no MH, no SUD)	1,532	89%	6,013	45%	5,902	45%	1,754	29%	408	17%	554,296	90%	151,732	66%
MH Tx need	178	10%	7,310	55%	7,228	55%	4,295	71%	1,967	82%	61,857	10%	76,199	33%
SUD Tx need	12	1%	886	7%	874	7%	645	11%	425	18%	4,254	1%	9,613	4%
Co-occurring Tx need (MH + SUD)	9	1%	836	6%	825	6%	611	10%	413	17%	2,240	<1%	7,154	3%
<b>BY AGE: PERSONS 0 – 4 YEARS</b>	<b>1,506</b>	<b>100%</b>	<b>5,305</b>	<b>100%</b>	<b>5,221</b>	<b>100%</b>	<b>1,433</b>	<b>100%</b>	<b>266</b>	<b>100%</b>	<b>243,257</b>	<b>100%</b>	<b>44,619</b>	<b>100%</b>
No known BH Tx need (no MH, no SUD)	1,416	94%	4,087	77%	4,014	77%	941	66%	140	53%	235,747	97%	39,525	89%
MH Tx need	90	6%	1,218	23%	1,207	23%	492	34%	126	47%	7,510	3%	5,094	11%
<b>BY AGE: PERSONS 5 – 11 YEARS</b>	<b>137</b>	<b>100%</b>	<b>4,786</b>	<b>100%</b>	<b>4,729</b>	<b>100%</b>	<b>2,421</b>	<b>100%</b>	<b>866</b>	<b>100%</b>	<b>226,662</b>	<b>100%</b>	<b>100,814</b>	<b>100%</b>
No known BH Tx need (no MH, no SUD)	85	62%	1,403	29%	1,375	29%	533	22%	155	18%	200,622	89%	67,708	67%
MH Tx need	52	38%	3,383	71%	3,354	71%	1,888	78%	711	82%	26,040	11%	33,106	33%
<b>BY AGE: PERSONS 12 – 17 YEARS</b>	<b>70</b>	<b>100%</b>	<b>3,282</b>	<b>100%</b>	<b>3,229</b>	<b>100%</b>	<b>2,229</b>	<b>100%</b>	<b>1,255</b>	<b>100%</b>	<b>148,248</b>	<b>100%</b>	<b>84,957</b>	<b>100%</b>
No known BH Tx need (no MH, no SUD)	31	44%	523	16%	513	16%	280	13%	113	9%	117,927	80%	44,499	52%
MH Tx need	36	51%	2,709	83%	2,667	83%	1,915	86%	1,130	90%	28,307	19%	37,999	45%
SUD Tx need	12	17%	886	27%	874	27%	645	29%	425	34%	4,254	3%	9,613	11%
Co-occurring Tx need (MH + SUD)	9	13%	836	25%	825	26%	611	27%	413	33%	2,240	2%	7,154	8%

#### SOURCE & POPULATION

DSHS Integrated Client Database. Children in foster care ever in SFY 2015, and all children with Medicaid coverage (includes SCHIP) in SFY 2015.

#### NOTES

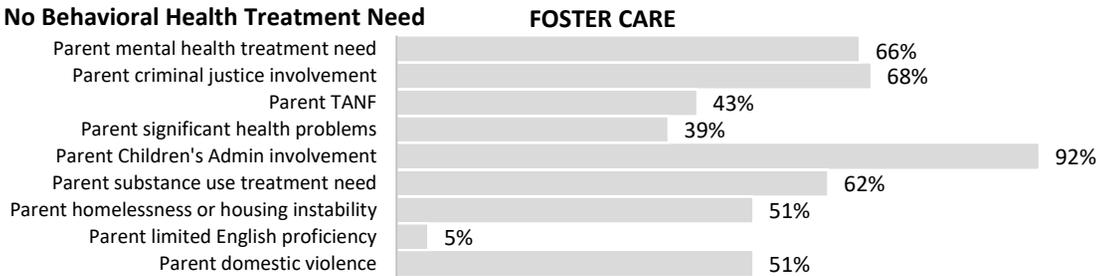
Note that this data reflects reported (not substantiated) abuse and neglect. For more information on child maltreatment and behavioral health outcomes see Lucenko et al. (2012) and Patton et al. (forthcoming) listed in reference section on last page of document.



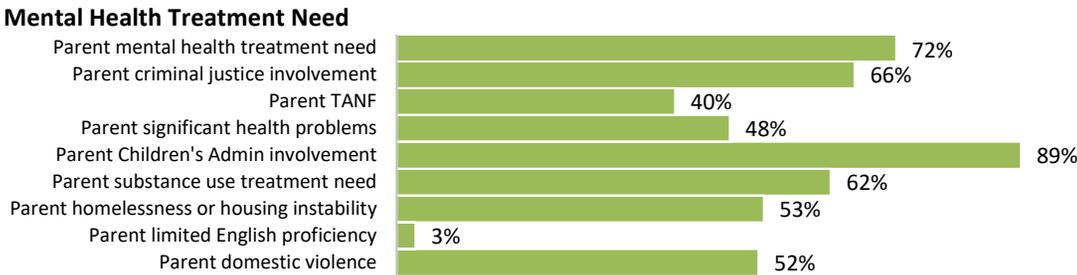
## G. Parent Risk Factors among Medicaid Youth Age 12-17, SFY 2015

SFY 2015 COHORT • PARENTAL RISK FACTORS BY CHILDREN'S BEHAVIORAL HEALTH TREATMENT NEEDS (FOSTER PARENTS NOT INCLUDED)

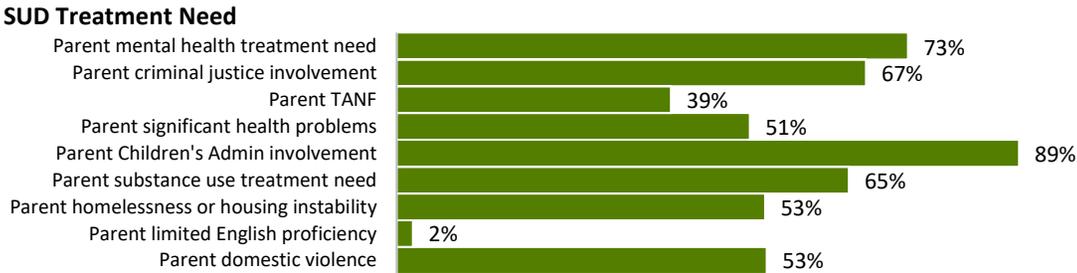
### Youth with No Behavioral Health Treatment Need



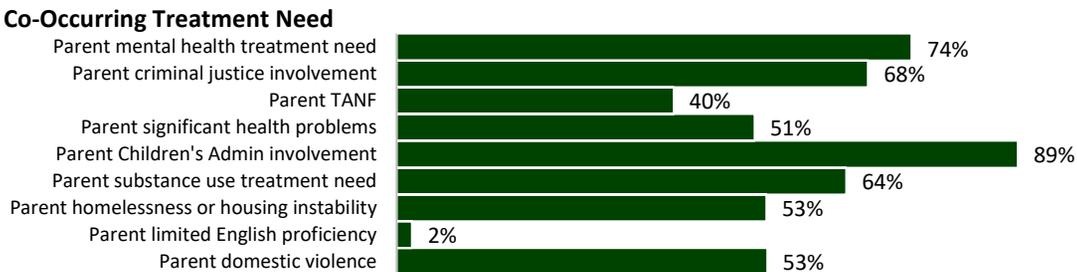
### Youth with Mental Health Treatment Need



### Youth with SUD Treatment Need



### Youth with Co-Occurring Treatment Need



SUPPORTING TABLES | **G. Parent Risk Factors among Medicaid Children Age 12-17, SFY 2015**

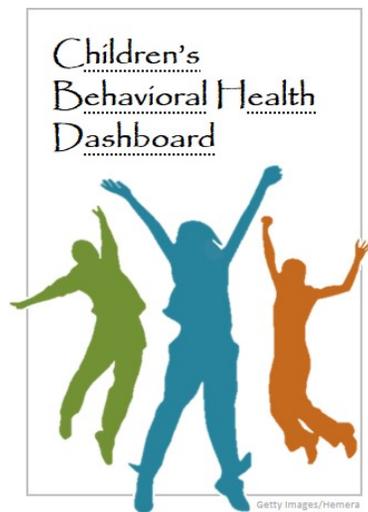
IN FOSTER CARE   SFY 2015												
Parent Risk Factors	Child's Behavioral Health Treatment Needs, Age 12-17											
	All Foster Care		No BH Tx Need		Any BH Tx Need		MH Tx Need		SUD Tx Need		COD Tx Need	
Total number of children	3,352		554		2,798		2,745		898		845	
Total children linked to parents	3,054		485		2,569		2,521		816		768	
Child/parent linkage rate	91%		88%		92%		92%		91%		91%	
<i>Of children linked to parents . . .</i>	N	%	N	%	N	%	N	%	N	%	N	%
Parent mental health treatment need	2,158	71%	322	66%	1,836	71%	1,805	72%	598	73%	567	74%
Parent criminal justice involvement	2,015	66%	330	68%	1,685	66%	1,655	66%	549	67%	519	68%
Parent TANF	1,231	40%	209	43%	1,022	40%	1,006	40%	321	39%	305	40%
Parent significant health problems	1,412	46%	189	39%	1,223	48%	1,204	48%	413	51%	394	51%
Parent Children's Admin involvement	2,747	90%	447	92%	2,300	90%	2,256	89%	728	89%	684	89%
Parent substance use treatment need	1,903	62%	300	62%	1,603	62%	1,569	62%	529	65%	495	64%
Parent homelessness or housing instability	1,599	52%	248	51%	1,351	53%	1,327	53%	431	53%	407	53%
Parent limited English proficiency	92	3%	22	5%	70	3%	68	3%	19	2%	17	2%
Parent domestic violence	1,581	52%	248	51%	1,333	52%	1,308	52%	433	53%	408	53%

ALL MEDICAID   SFY 2015												
Parent Risk Factors	Child's Behavioral Health Treatment Needs, Age 12-17											
	All Medicaid Eligible		No BH Tx Need		Any BH Tx Need		MH Tx Need		SUD Tx Need		COD Tx Need	
Total number of children	233,205		162,426		70,779		66,306		13,867		9,394	
Total children linked to parents	176,725		117,993		58,732		55,030		11,875		8,173	
Child/parent linkage rate	76%		73%		83%		83%		86%		87%	
<i>Of children linked to parents . . .</i>	N	%	N	%	N	%	N	%	N	%	N	%
Parent mental health treatment need	79,888	45%	44,967	38%	34,921	59%	33,069	60%	7,248	61%	5,396	66%
Parent criminal justice involvement	56,359	32%	32,828	28%	23,531	40%	21,813	40%	5,874	49%	4,156	51%
Parent TANF	44,280	25%	26,520	22%	17,760	30%	16,611	30%	4,084	34%	2,935	36%
Parent significant health problems	51,690	29%	29,252	25%	22,438	38%	21,170	38%	4,823	41%	3,555	43%
Parent Children's Admin involvement	51,721	29%	26,161	22%	25,560	44%	23,949	44%	6,652	56%	5,041	62%
Parent substance use treatment need	45,671	26%	25,070	21%	20,601	35%	19,185	35%	5,199	44%	3,783	46%
Parent homelessness or housing instability	40,132	23%	22,558	19%	17,574	30%	16,396	30%	4,359	37%	3,181	39%
Parent limited English proficiency	27,176	15%	21,746	18%	5,430	9%	4,774	9%	1,277	11%	621	8%
Parent domestic violence	33,475	19%	17,780	15%	15,695	27%	14,681	27%	3,884	33%	2,870	35%

**NOTES**

Parental risk factors (see technical notes) are presented for youth age 12-17 in foster care, and those enrolled in Medicaid/SCHIP in SFY 2015, by different categories of youth behavioral health treatment need. Note that parental risk factors are measured over a five-year period (SFY 2011 - SFY 2015), and are indicated if either of a youth's parents linked in administrative data has the indicated risk factor. The vast majority of the parents in this analysis are biological parents; this analysis does not include foster parents. Children whose parents are not DSHS or HCA clients and not included in RDA's Integrated Client Database cannot be linked to parent data. Numbers displayed in charts and supporting tables show that parental risk factors are more prevalent among the parents of origin of foster care youth than among parents of other youth on Medicaid, and are more prevalent for youth with identified behavioral health needs. Similar patterns were found for younger age groups.

**SOURCE & POPULATION.** DSHS Integrated Client Database. Children in foster care ever in SFY 2015, and all children with Medicaid coverage in SFY 2015.



SECTION 2

**Outcome Measures**



# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

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FEBRUARY 2018

MEASURE 1

## Treatment Penetration for Children with MH Tx Needs

### INDICATOR

Proportion of children with mental health treatment needs who receive mental health treatment services.

### IN FOSTER CARE:

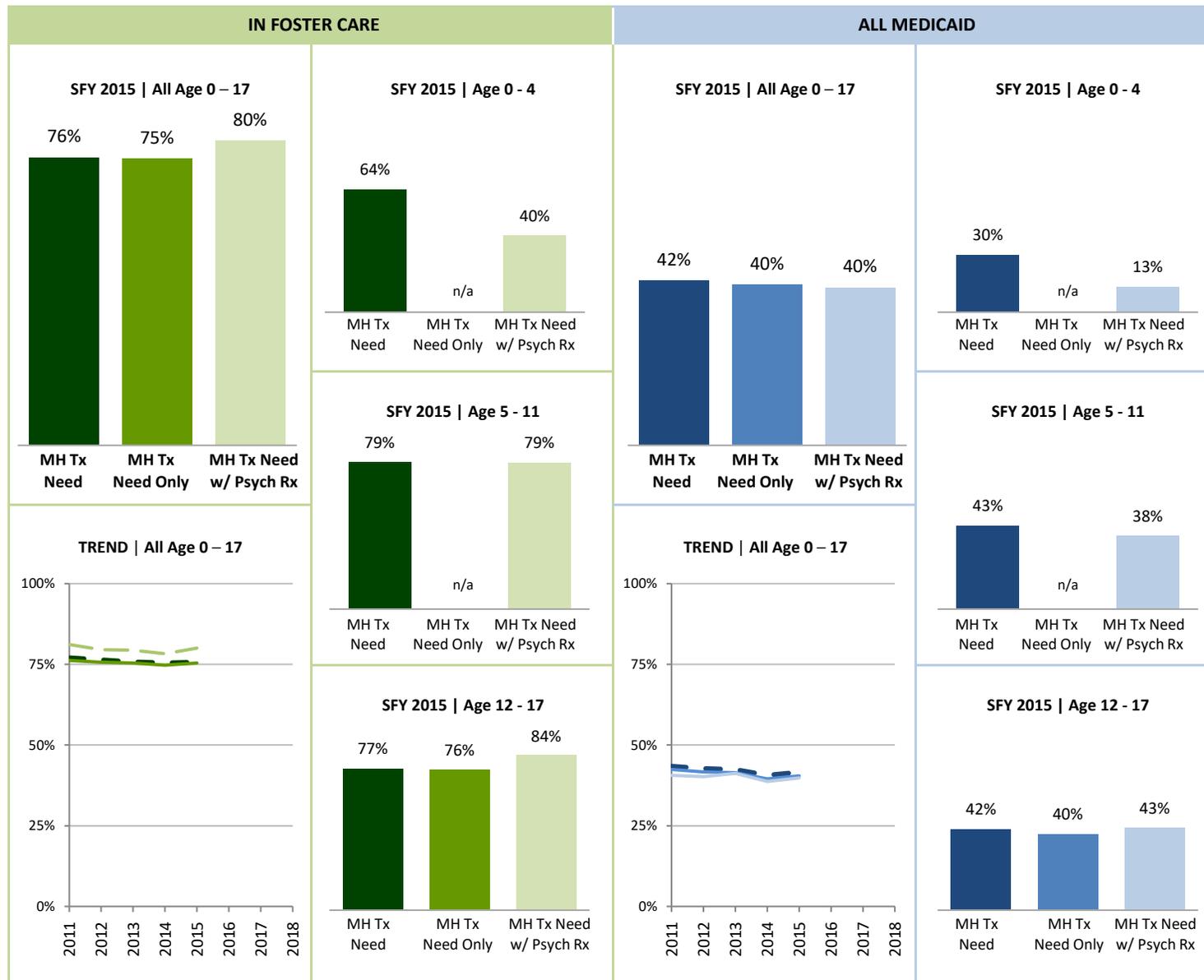
- █ MH Tx Need
- █ MH Tx Need Only
- █ MH Tx Need w/ Psych Rx

### ALL MEDICAID:

- █ MH Tx Need
- █ MH Tx Need Only
- █ MH Tx Need w/ Psych Rx

### SOURCE & POPULATION

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 1 Treatment Penetration for Children with Mental Health Treatment Needs

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL PERSONS AGE 0 – 17</b>																
<b>MH Tx need, percent</b>	<b>77%</b>	<b>76%</b>	<b>76%</b>	<b>75%</b>	<b>76%</b>				<b>43%</b>	<b>43%</b>	<b>42%</b>	<b>41%</b>	<b>42%</b>			
Persons receiving MH Tx	5,719	5,441	5,399	5,616	5,667				50,487	52,568	53,667	53,147	57,444			
Total number of persons	7,426	7,127	7,126	7,445	7,488				116,253	122,943	126,621	130,759	138,056			
<b>MH Tx need only (no COD), percent</b>	<b>76%</b>	<b>76%</b>	<b>75%</b>	<b>75%</b>	<b>75%</b>				<b>42%</b>	<b>42%</b>	<b>41%</b>	<b>40%</b>	<b>40%</b>			
Persons receiving MH Tx	5,043	4,806	4,753	4,925	5,009				46,025	47,823	48,848	48,117	52,038			
Total number of persons	6,618	6,354	6,306	6,590	6,643				108,458	114,681	117,972	121,738	128,662			
<b>MH Tx need with Psych Rx, percent</b>	<b>81%</b>	<b>80%</b>	<b>79%</b>	<b>78%</b>	<b>80%</b>				<b>41%</b>	<b>40%</b>	<b>41%</b>	<b>39%</b>	<b>40%</b>			
Persons receiving MH Tx	2,133	1,990	1,862	1,914	1,899				18,939	18,654	18,713	20,452	22,040			
Total number of persons	2,629	2,503	2,346	2,445	2,372				46,588	46,397	45,393	52,824	55,372			
<b>BY AGE: 0 – 4 YEARS</b>																
<b>MH Tx need, percent</b>	<b>64%</b>	<b>65%</b>	<b>66%</b>	<b>62%</b>	<b>64%</b>				<b>33%</b>	<b>31%</b>	<b>32%</b>	<b>31%</b>	<b>30%</b>			
Persons receiving MH Tx	840	895	940	836	837				4,344	4,411	4,314	3,938	3,797			
Total number of persons	1,312	1,373	1,426	1,343	1,308				13,352	14,195	13,439	12,631	12,604			
<b>MH Tx need with Psych Rx, percent</b>	<b>44%</b>	<b>36%</b>	<b>45%</b>	<b>38%</b>	<b>40%</b>				<b>15%</b>	<b>13%</b>	<b>16%</b>	<b>14%</b>	<b>13%</b>			
Persons receiving MH Tx	65	49	55	50	39				393	330	318	305	263			
Total number of persons	148	135	121	130	98				2,686	2,593	2,020	2,211	1,953			
<b>BY AGE: 5 – 11 YEARS</b>																
<b>MH Tx need, percent</b>	<b>80%</b>	<b>79%</b>	<b>79%</b>	<b>79%</b>	<b>79%</b>				<b>45%</b>	<b>44%</b>	<b>44%</b>	<b>42%</b>	<b>43%</b>			
Persons receiving MH Tx	2,468	2,334	2,381	2,628	2,730				23,038	23,822	24,677	23,944	25,682			
Total number of persons	3,100	2,949	3,023	3,337	3,435				50,895	53,629	55,688	56,719	59,146			
<b>MH Tx need with Psych Rx, percent</b>	<b>80%</b>	<b>79%</b>	<b>78%</b>	<b>76%</b>	<b>79%</b>				<b>40%</b>	<b>39%</b>	<b>40%</b>	<b>37%</b>	<b>38%</b>			
Persons receiving MH Tx	810	759	710	753	781				8,237	8,111	8,129	8,358	8,803			
Total number of persons	1,013	958	916	985	986				20,779	20,739	20,296	22,517	23,144			
<b>BY AGE: 12 – 17 YEARS</b>																
<b>MH Tx need, percent</b>	<b>80%</b>	<b>79%</b>	<b>78%</b>	<b>78%</b>	<b>77%</b>				<b>44%</b>	<b>44%</b>	<b>43%</b>	<b>41%</b>	<b>42%</b>			
Persons receiving MH Tx	2,411	2,212	2,078	2,152	2,100				23,105	24,335	24,676	25,265	27,965			
Total number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>MH Tx need only (no COD), percent</b>	<b>79%</b>	<b>78%</b>	<b>77%</b>	<b>76%</b>	<b>76%</b>				<b>42%</b>	<b>42%</b>	<b>41%</b>	<b>39%</b>	<b>40%</b>			
Persons receiving MH Tx	1,735	1,577	1,432	1,461	1,442				18,643	19,590	19,857	20,235	22,559			
Total number of persons	2,206	2,032	1,857	1,910	1,900				44,211	46,857	48,845	52,388	56,912			
<b>MH Tx need with Psych Rx, percent</b>	<b>86%</b>	<b>84%</b>	<b>84%</b>	<b>84%</b>	<b>84%</b>				<b>45%</b>	<b>44%</b>	<b>44%</b>	<b>42%</b>	<b>43%</b>			
Persons receiving MH Tx	1,258	1,182	1,097	1,111	1,079				10,309	10,213	10,266	11,789	12,974			
Total number of persons	1,468	1,410	1,309	1,330	1,288				23,123	23,065	23,077	28,096	30,275			

**NOTES**

Denominator for percentages is number of persons with indications of mental health treatment need in the current or past SFY. Numerator is number of persons receiving outpatient mental health services in the current SFY. Outpatient mental health services include most modalities of outpatient mental health services delivered through DBHR (excludes, for example, case management), as well as Behavioral Rehabilitation Services from the Children's Administration, and outpatient mental health services delivered through the Health Care Authority or tribal authorities. Note that tabulation of mental health services received in this measure reflects a one-year window, whereas the mental health services component of indication of mental health needs (see B) reflects a two-year window. The mental health treatment need only (no COD) group is shown only for age 12-17, the earliest age at which SUD treatment need is measured. See next page for youth 12-17 with COD. MH Tx need with Psych Rx represents children who meet the broad definition of MH Tx need who also filled a psychotropic prescription in the two-year need window.



MEASURE 2

## Treatment Penetration for Youth with SUD and COD Tx Needs

**INDICATOR**

Proportion of youth with SUD and COD treatment needs who receive appropriate behavioral health treatment services.

**IN FOSTER CARE:**

- SUD Need, SUD Tx
- SUD Need Only, SUD Tx
- COD Need, SUD Tx
- - - COD Need, MH Tx
- COD Need, MH+SUD Tx

**ALL MEDICAID:**

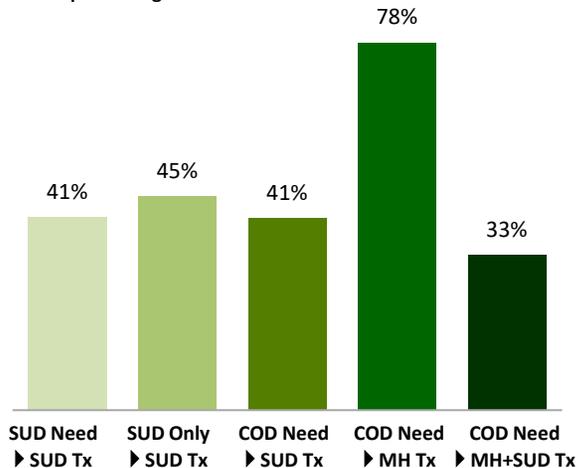
- SUD Need, SUD Tx
- SUD Need Only, SUD Tx
- COD Need, SUD Tx
- - - COD Need, MH Tx
- COD Need, MH+SUD Tx

**SOURCE & POPULATION**

DSHS Integrated Client Database. Youth in foster care ever in SFY, and all youth with Medicaid coverage (includes SCHIP) in SFY.

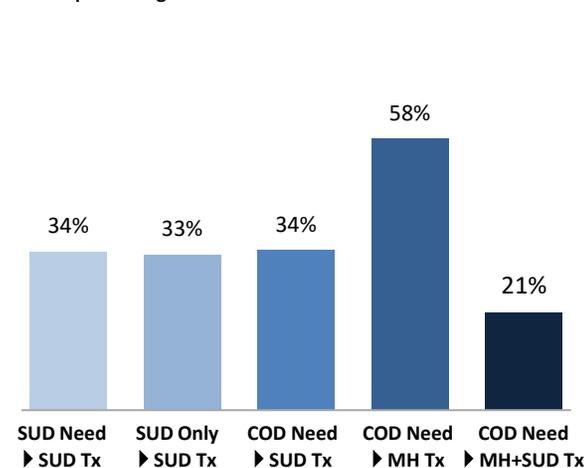
### IN FOSTER CARE

SFY 2015 | Youth Age 12 – 17

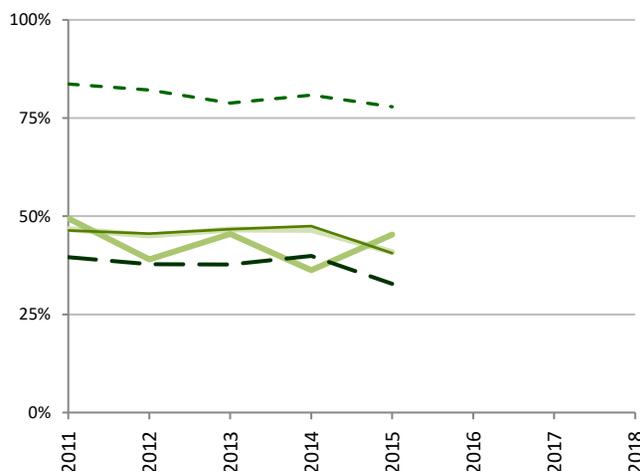


### ALL MEDICAID

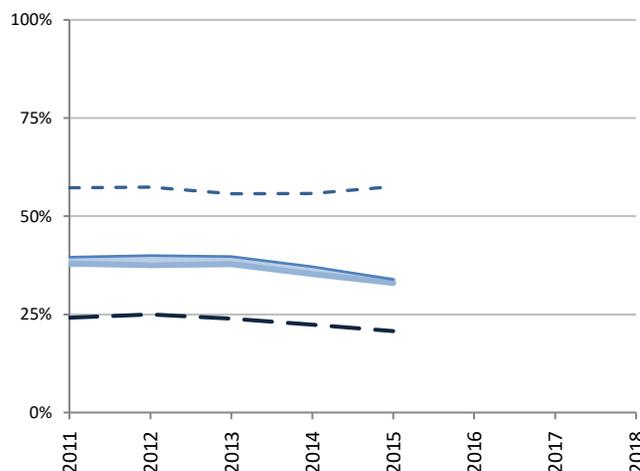
SFY 2015 | Youth Age 12 – 17



### TREND | Youth Age 12 – 17



### TREND | Youth Age 12 – 17



SUPPORTING TABLES | 2 Treatment Penetration for Youth with SUD and COD Treatment Needs

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR																
YOUTH 12 – 17 YEARS	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>SUD Tx need: SUD Tx percent</b>	<b>47%</b>	<b>45%</b>	<b>47%</b>	<b>47%</b>	<b>41%</b>				<b>39%</b>	<b>39%</b>	<b>39%</b>	<b>36%</b>	<b>34%</b>			
Persons receiving SUD Tx	419	375	413	435	367				4,996	5,162	5,266	5,054	4,659			
Persons with SUD Tx need	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>SUD Tx need only (no COD): SUD Tx</b>	<b>49%</b>	<b>39%</b>	<b>45%</b>	<b>36%</b>	<b>45%</b>				<b>38%</b>	<b>38%</b>	<b>38%</b>	<b>35%</b>	<b>33%</b>			
Persons receiving SUD Tx	44	23	30	29	24				1,912	1,859	1,830	1,708	1,476			
Persons with SUD Tx need only	89	59	66	80	53				5,043	4,953	4,846	4,843	4,473			
<b>COD Tx Need: SUD Tx percent</b>	<b>46%</b>	<b>46%</b>	<b>47%</b>	<b>47%</b>	<b>41%</b>				<b>40%</b>	<b>40%</b>	<b>40%</b>	<b>37%</b>	<b>34%</b>			
Persons receiving SUD Tx	375	352	383	406	343				3,084	3,303	3,436	3,346	3,183			
Persons with COD Tx needs	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>COD Tx Need: MH Tx percent</b>	<b>84%</b>	<b>82%</b>	<b>79%</b>	<b>81%</b>	<b>78%</b>				<b>57%</b>	<b>57%</b>	<b>56%</b>	<b>56%</b>	<b>58%</b>			
Persons receiving MH Tx	676	635	646	691	658				4,462	4,745	4,819	5,030	5,406			
Persons with COD Tx needs	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>COD Tx Need: MH+SUD Tx percent</b>	<b>40%</b>	<b>38%</b>	<b>38%</b>	<b>40%</b>	<b>33%</b>				<b>24%</b>	<b>25%</b>	<b>24%</b>	<b>22%</b>	<b>21%</b>			
Persons receiving both MH+SUD Tx	320	292	309	341	277				1,886	2,064	2,068	2,019	1,948			
Persons with COD Tx needs	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			

**NOTES**  
 Denominator for percentages is number of persons with indications of substance use disorder (SUD) treatment need in the current or past SFY, or number of persons with co-occurring (COD) mental health and substance use treatment needs. Numerator is number of persons receiving substance use disorder services in the current SFY, outpatient mental health disorder services in the current SFY, or both. Substance use disorder services include inpatient services, outpatient services, opiate substitution, and case management. Outpatient mental health services include most modalities of outpatient mental health services delivered through DBHR (excludes, for example, case management), as well as Behavioral Rehabilitation Services from the Children's Administration, and outpatient mental health services delivered through the Health Care Authority or tribal authorities. As substance use disorder treatment need is rare before adolescence, SUD and COD are unmeasured for children under age 12. As such, younger children are excluded from this outcome measure.



# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

MEASURE 3

## Mental Health Crisis Services

**INDICATOR**

Proportion of children who have received at least one mental health crisis service in SFY.

**IN FOSTER CARE:**

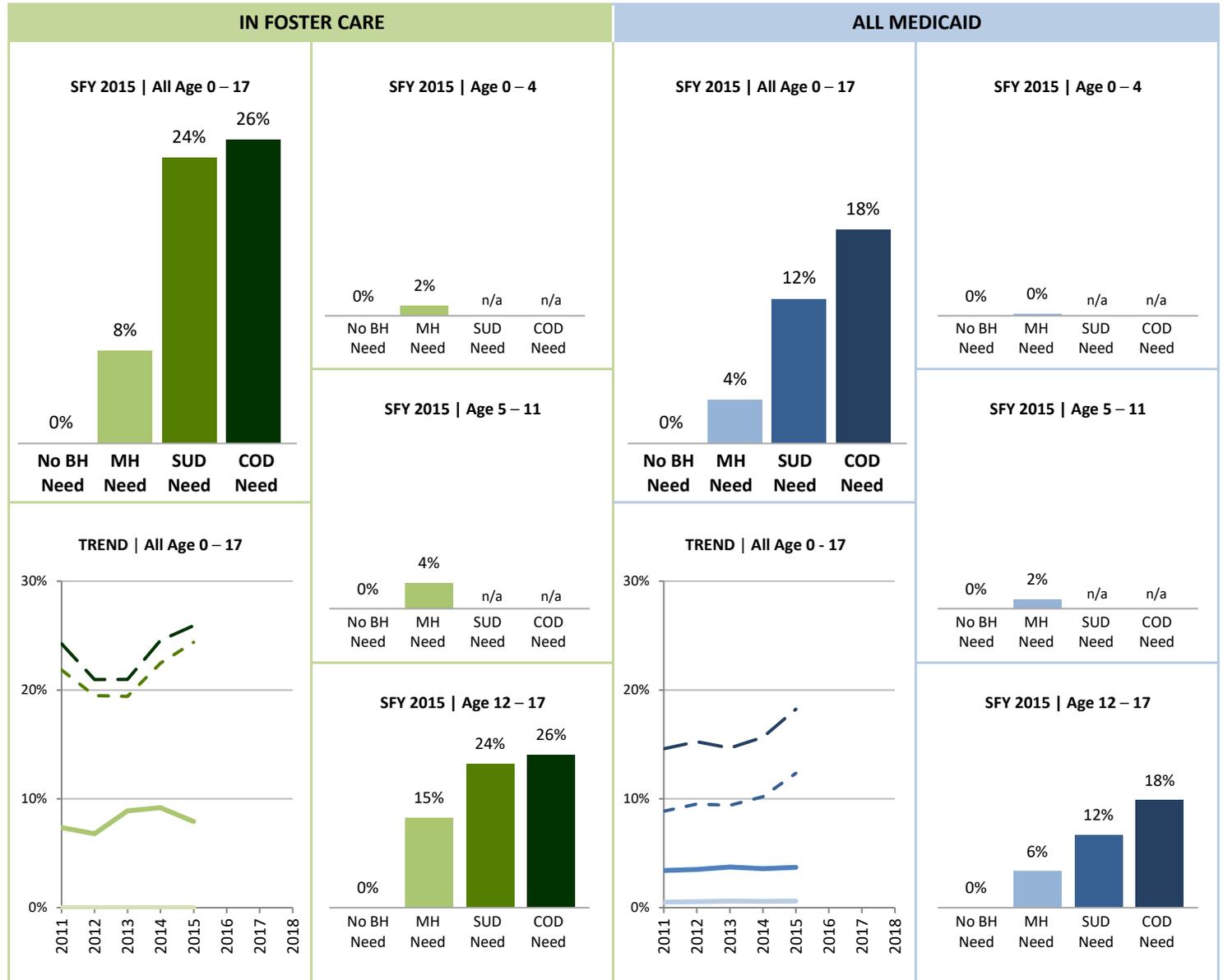
- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 3 Mental Health Crisis Services

	IN FOSTER CARE									ALL MEDICAID								
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018		2011	2012	2013	2014	2015	2016	2017	2018	
<b>TOTAL PERSONS AGE 0-17</b>																		
<b>Total persons, percent</b>	<b>4%</b>	<b>3%</b>	<b>5%</b>	<b>5%</b>	<b>4%</b>					<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>				
Number of persons with MH crisis	547	484	635	684	592					3,971	4,310	4,727	4,693	5,115				
Total number of persons	14,482	13,899	14,085	14,995	15,086					777,523	791,280	797,678	828,909	848,557				
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>					<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				
Number of persons with MH crisis	0	0	0	0	0					0	0	0	0	0				
Total number of persons	6,967	6,713	6,893	7,470	7,545					656,227	663,384	666,211	693,307	706,028				
<b>MH Tx need, percent</b>	<b>7%</b>	<b>7%</b>	<b>9%</b>	<b>9%</b>	<b>8%</b>					<b>3%</b>	<b>4%</b>	<b>4%</b>	<b>4%</b>	<b>4%</b>				
Number of persons with MH crisis	547	484	635	684	592					3,971	4,310	4,727	4,693	5,115				
Total number of persons	7,426	7,127	7,126	7,445	7,488					116,253	122,943	126,621	130,759	138,056				
<b>SUD Tx need, percent</b>	<b>22%</b>	<b>19%</b>	<b>19%</b>	<b>22%</b>	<b>24%</b>					<b>9%</b>	<b>10%</b>	<b>9%</b>	<b>10%</b>	<b>12%</b>				
Number of persons with MH crisis	196	162	172	210	219					1,138	1,260	1,270	1,413	1,713				
Total number of persons	897	832	886	935	898					12,838	13,215	13,495	13,864	13,867				
<b>Co-occurring Tx need, percent</b>	<b>24%</b>	<b>21%</b>	<b>21%</b>	<b>25%</b>	<b>26%</b>					<b>15%</b>	<b>15%</b>	<b>15%</b>	<b>16%</b>	<b>18%</b>				
Number of persons with MH crisis	196	162	172	210	219					1,138	1,260	1,270	1,413	1,713				
Total number of persons	808	773	820	855	845					7,795	8,262	8,649	9,021	9,394				
<b>BY AGE: 0 – 4 YEARS</b>																		
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>					<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				
Number of persons with MH crisis	0	0	0	0	0					0	0	0	0	0				
Total number of persons	5,179	5,023	5,173	5,512	5,503					278,918	277,630	273,560	273,571	275,272				
<b>MH Tx need, percent</b>	<b>1%</b>	<b>0%</b>	<b>6%</b>	<b>6%</b>	<b>2%</b>					<b>0%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>	<b>0%</b>				
Number of persons with MH crisis	10	6	91	78	22					45	46	150	106	48				
Total number of persons	1,312	1,373	1,426	1,343	1,308					13,352	14,195	13,439	12,631	12,604				
<b>BY AGE: 5 – 11 YEARS</b>																		
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>					<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				
Number of persons with MH crisis	0	0	0	0	0					0	0	0	0	0				
Total number of persons	1,188	1,129	1,207	1,419	1,488					233,587	239,769	245,200	260,267	268,330				
<b>MH Tx need, percent</b>	<b>4%</b>	<b>4%</b>	<b>5%</b>	<b>5%</b>	<b>4%</b>					<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>				
Number of persons with MH crisis	121	115	152	168	151					822	939	1,016	932	960				
Total number of persons	3,100	2,949	3,023	3,337	3,435					50,895	53,629	55,688	56,719	59,146				
<b>BY AGE: 12 – 17 YEARS</b>																		
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>					<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				
Number of persons with MH crisis	0	0	0	0	0					0	0	0	0	0				
Total number of persons	600	561	513	539	554					143,722	145,985	147,451	159,469	162,426				
<b>MH Tx need, percent</b>	<b>14%</b>	<b>13%</b>	<b>15%</b>	<b>16%</b>	<b>15%</b>					<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>				
Number of persons with MH crisis	416	363	392	438	419					3,104	3,325	3,561	3,655	4,107				
Total number of persons	3,014	2,805	2,677	2,765	2,745					52,006	55,119	57,494	61,409	66,306				
<b>SUD Tx need, percent</b>	<b>22%</b>	<b>19%</b>	<b>19%</b>	<b>22%</b>	<b>24%</b>					<b>9%</b>	<b>10%</b>	<b>9%</b>	<b>10%</b>	<b>12%</b>				
Number of persons with MH crisis	196	162	172	210	219					1,138	1,260	1,270	1,413	1,713				
Total number of persons	897	832	886	935	898					12,838	13,215	13,495	13,864	13,867				
<b>Co-occurring Tx need, percent</b>	<b>24%</b>	<b>21%</b>	<b>21%</b>	<b>25%</b>	<b>26%</b>					<b>15%</b>	<b>15%</b>	<b>15%</b>	<b>16%</b>	<b>18%</b>				
Number of persons with MH crisis	196	162	172	210	219					1,138	1,260	1,270	1,413	1,713				
Total number of persons	808	773	820	855	845					7,795	8,262	8,649	9,021	9,394				



# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

MEASURE 4

## Mental Health Inpatient Services

**INDICATOR**

Proportion of children with any inpatient mental health services in SFY.

**IN FOSTER CARE:**

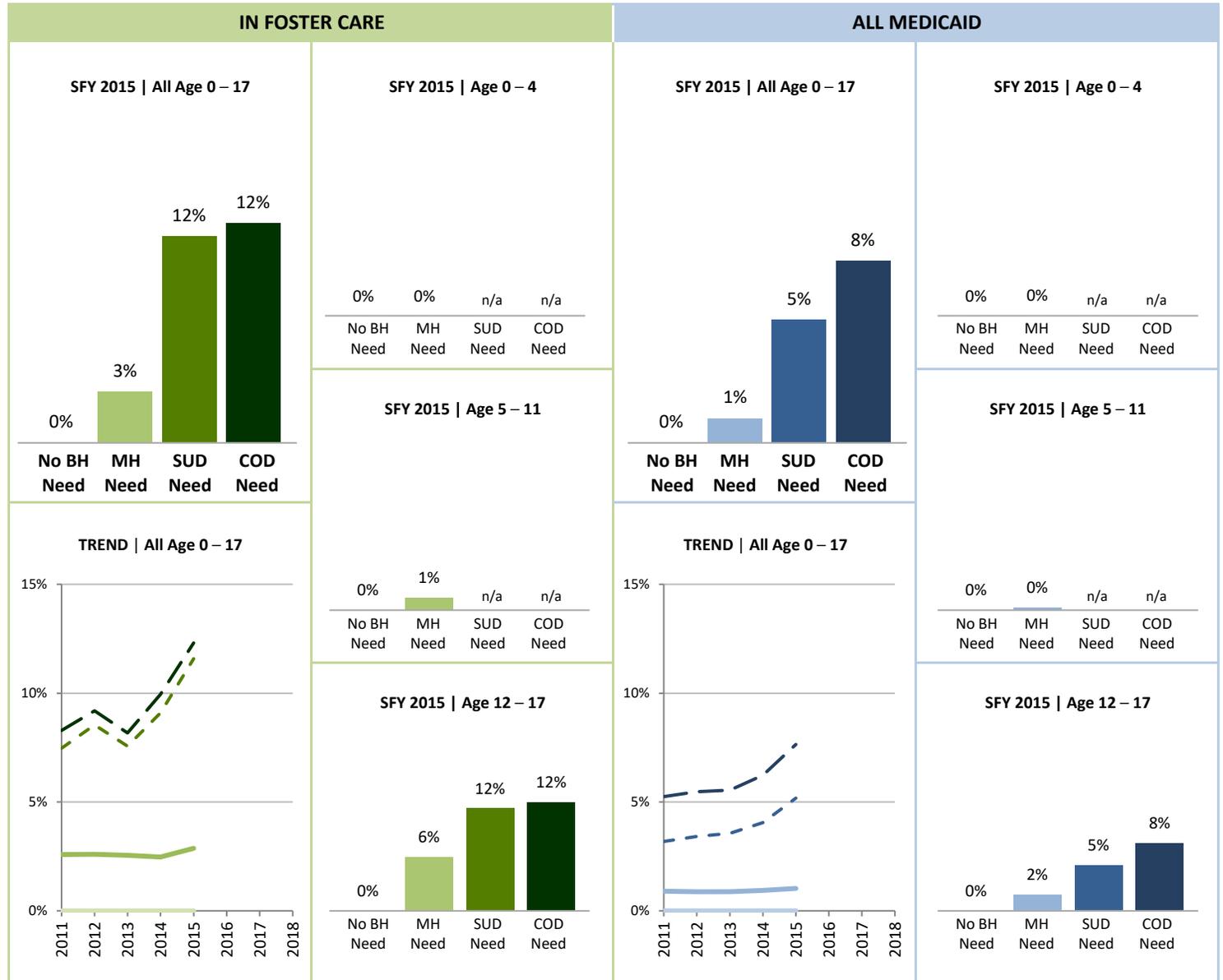
- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- - - SUD Tx Need
- COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 4 Mental Health Inpatient Services

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL PERSONS AGE 0-17</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
<b>Total persons, percent</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	192	185	182	184	215				1,052	1,077	1,118	1,228	1,420			
Total number of persons	14,482	13,899	14,085	14,995	15,086				777,523	791,280	797,678	828,909	848,557			
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	0	0	0	0	0				0	0	0	0	0			
Total number of persons	6,967	6,713	6,893	7,470	7,545				656,227	663,384	666,211	693,307	706,028			
<b>MH Tx need, percent</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>	<b>2%</b>	<b>3%</b>				<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>			
Number of persons with MH IP	192	185	182	184	215				1,052	1,077	1,118	1,228	1,420			
Total number of persons	7,426	7,127	7,126	7,445	7,488				116,253	122,943	126,621	130,759	138,056			
<b>SUD Tx need, percent</b>	<b>7%</b>	<b>9%</b>	<b>8%</b>	<b>9%</b>	<b>12%</b>				<b>3%</b>	<b>3%</b>	<b>4%</b>	<b>4%</b>	<b>5%</b>			
Number of persons with MH IP	67	71	67	85	104				409	452	480	562	718			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>8%</b>	<b>9%</b>	<b>8%</b>	<b>10%</b>	<b>12%</b>				<b>5%</b>	<b>5%</b>	<b>6%</b>	<b>6%</b>	<b>8%</b>			
Number of persons with MH IP	67	71	67	85	104				409	452	480	562	718			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>BY AGE: 0 – 4 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	0	0	0	0	0				0	0	0	0	0			
Total number of persons	5,179	5,023	5,173	5,512	5,503				278,918	277,630	273,560	273,571	275,272			
<b>MH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	1	2	1	0	0				4	5	3	2	2			
Total number of persons	1,312	1,373	1,426	1,343	1,308				13,352	14,195	13,439	12,631	12,604			
<b>BY AGE: 5 – 11 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	0	0	0	0	0				0	0	0	0	0			
Total number of persons	1,188	1,129	1,207	1,419	1,488				233,587	239,769	245,200	260,267	268,330			
<b>MH Tx need, percent</b>	<b>2%</b>	<b>2%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	55	46	45	37	48				215	184	197	183	191			
Total number of persons	3,100	2,949	3,023	3,337	3,435				50,895	53,629	55,688	56,719	59,146			
<b>BY AGE: 12 – 17 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons with MH IP	0	0	0	0	0				0	0	0	0	0			
Total number of persons	600	561	513	539	554				143,722	145,985	147,451	159,469	162,426			
<b>MH Tx need, percent</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>6%</b>				<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>	<b>2%</b>			
Number of persons with MH IP	136	137	136	147	167				833	888	918	1,043	1,227			
Total number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>SUD Tx need, percent</b>	<b>7%</b>	<b>9%</b>	<b>8%</b>	<b>9%</b>	<b>12%</b>				<b>3%</b>	<b>3%</b>	<b>4%</b>	<b>4%</b>	<b>5%</b>			
Number of persons with MH IP	67	71	67	85	104				409	452	480	562	718			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>8%</b>	<b>9%</b>	<b>8%</b>	<b>10%</b>	<b>12%</b>				<b>5%</b>	<b>5%</b>	<b>6%</b>	<b>6%</b>	<b>8%</b>			
Number of persons with MH IP	67	71	67	85	104				409	452	480	562	718			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			

**NOTE:** Mental health inpatient services (MH IP) include community psychiatric, Children's Long-term Inpatient (CLIP), Child Study and Treatment Center (CSTC), and State Hospital.

# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

MEASURE 5

## Psychotropic Polypharmacy

**INDICATOR**

Proportion of children who filled four or more prescriptions for psychotropic medications in at least one month of SFY.

**IN FOSTER CARE:**

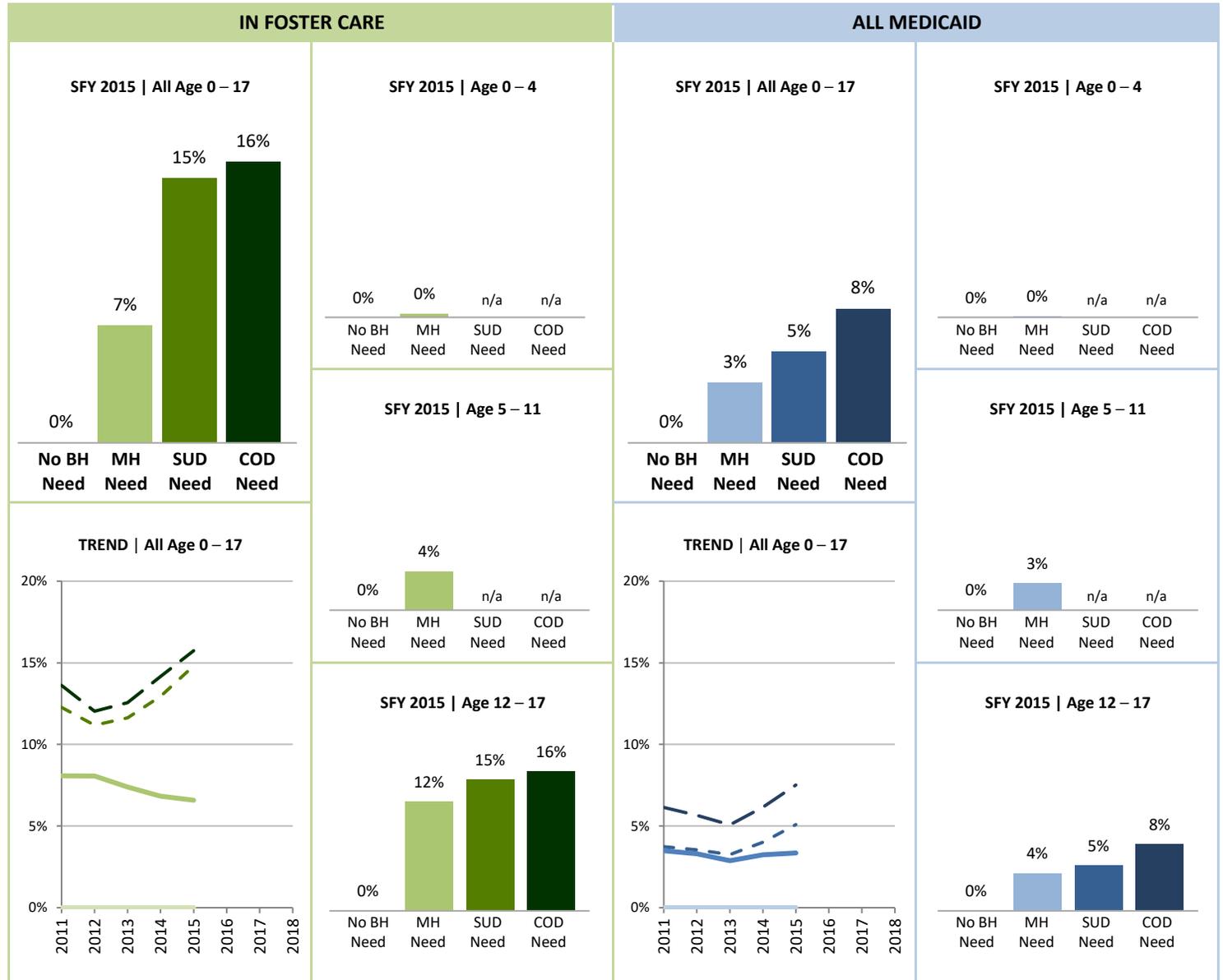
- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 5 Psychotropic Polypharmacy

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL PERSONS AGE 0-17</b>																
<b>Total persons, percent</b>	<b>4%</b>	<b>4%</b>	<b>4%</b>	<b>3%</b>	<b>3%</b>				<b>1%</b>	<b>1%</b>	<b>0%</b>	<b>1%</b>	<b>1%</b>			
Number of persons w/psych. poly.	600	575	527	508	493				4,054	4,060	3,643	4,242	4,630			
Total number of persons	14,482	13,899	14,085	14,995	15,086				777,523	791,280	797,678	828,909	848,557			
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons w/psych. poly.	0	0	0	0	0				0	0	0	0	0			
Total number of persons	6,967	6,713	6,893	7,470	7,545				656,227	663,384	666,211	693,307	706,028			
<b>MH Tx need, percent</b>	<b>8%</b>	<b>8%</b>	<b>7%</b>	<b>7%</b>	<b>7%</b>				<b>3%</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>			
Number of persons w/psych. poly.	600	575	527	508	493				4,054	4,060	3,643	4,242	4,630			
Total number of persons	7,426	7,127	7,126	7,445	7,488				116,253	122,943	126,621	130,759	138,056			
<b>SUD Tx need, percent</b>	<b>12%</b>	<b>11%</b>	<b>12%</b>	<b>13%</b>	<b>15%</b>				<b>4%</b>	<b>4%</b>	<b>3%</b>	<b>4%</b>	<b>5%</b>			
Number of persons w/psych. poly.	110	93	103	121	133				479	468	439	556	706			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>14%</b>	<b>12%</b>	<b>13%</b>	<b>14%</b>	<b>16%</b>				<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>8%</b>			
Number of persons w/psych. poly.	110	93	103	121	133				479	468	439	556	706			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>BY AGE: 0 – 4 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons w/psych. poly.	0	0	0	0	0				0	0	0	0	0			
Total number of persons	5,179	5,023	5,173	5,512	5,503				278,918	277,630	273,560	273,571	275,272			
<b>MH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons w/psych. poly.	6	1	6	5	5				32	23	18	22	15			
Total number of persons	1,312	1,373	1,426	1,343	1,308				13,352	14,195	13,439	12,631	12,604			
<b>BY AGE: 5 – 11 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons w/psych. poly.	0	0	0	0	0				0	0	0	0	0			
Total number of persons	1,188	1,129	1,207	1,419	1,488				233,587	239,769	245,200	260,267	268,330			
<b>MH Tx need, percent</b>	<b>6%</b>	<b>6%</b>	<b>6%</b>	<b>4%</b>	<b>4%</b>				<b>3%</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>	<b>3%</b>			
Number of persons w/psych. poly.	196	185	167	150	150				1,767	1,747	1,524	1,667	1,796			
Total number of persons	3,100	2,949	3,023	3,337	3,435				50,895	53,629	55,688	56,719	59,146			
<b>BY AGE: 12 – 17 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>				<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			
Number of persons w/psych. poly.	0	0	0	0	0				0	0	0	0	0			
Total number of persons	600	561	513	539	554				143,722	145,985	147,451	159,469	162,426			
<b>MH Tx need, percent</b>	<b>13%</b>	<b>14%</b>	<b>13%</b>	<b>13%</b>	<b>12%</b>				<b>4%</b>	<b>4%</b>	<b>4%</b>	<b>4%</b>	<b>4%</b>			
Number of persons w/psych. poly.	398	389	354	353	338				2,255	2,290	2,101	2,553	2,819			
Total number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>SUD Tx need, percent</b>	<b>12%</b>	<b>11%</b>	<b>12%</b>	<b>13%</b>	<b>15%</b>				<b>4%</b>	<b>4%</b>	<b>3%</b>	<b>4%</b>	<b>5%</b>			
Number of persons w/psych. poly.	110	93	103	121	133				479	468	439	556	706			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>14%</b>	<b>12%</b>	<b>13%</b>	<b>14%</b>	<b>16%</b>				<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>6%</b>	<b>8%</b>			
Number of persons w/psych. poly.	110	93	103	121	133				479	468	439	556	706			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			



MEASURE 6

## Involvement in Criminal Justice System

**INDICATOR**

Proportion of youth age 12-17 who have any criminal justice involvement in SFY, including arrests and convictions.

**IN FOSTER CARE:**

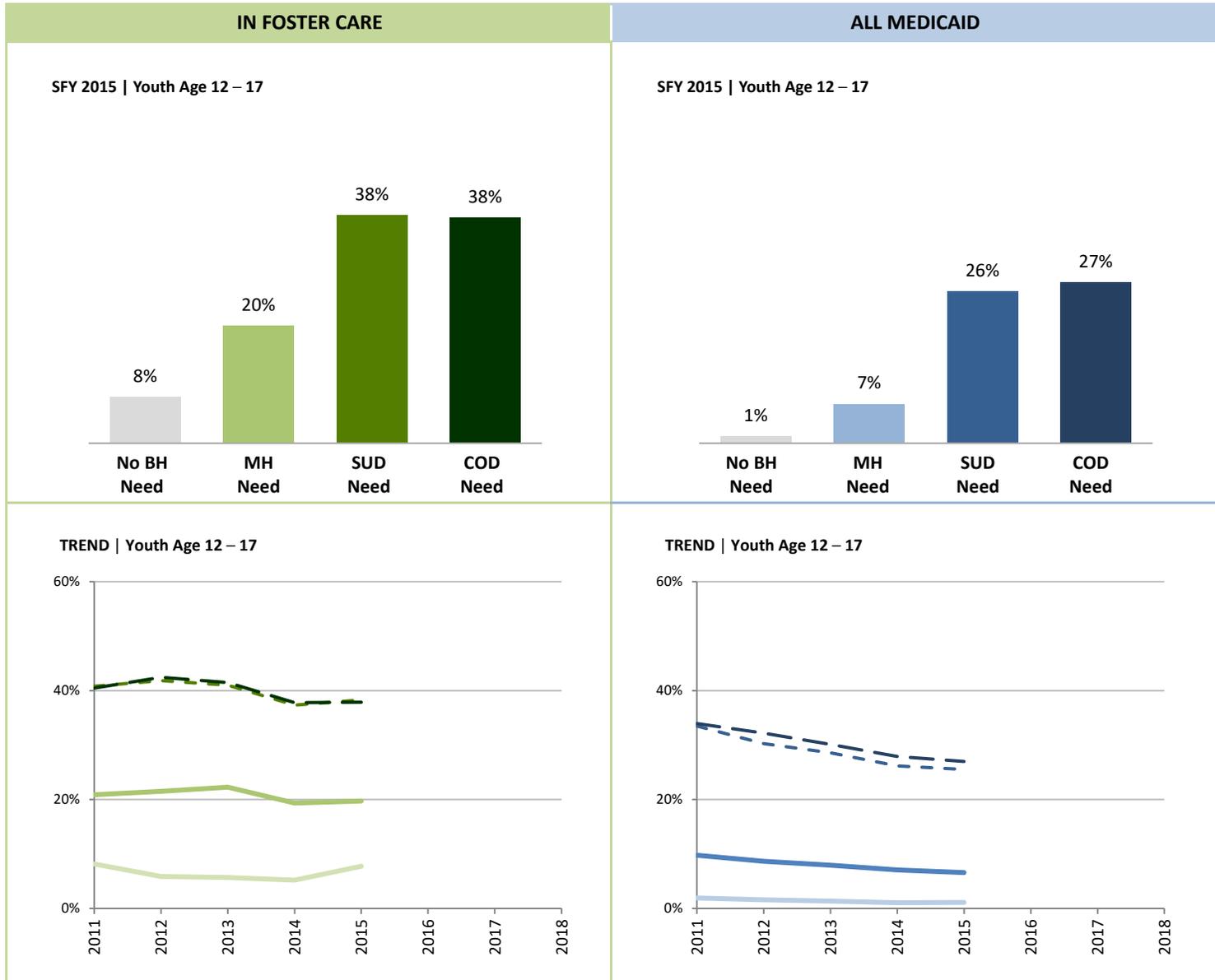
- No Known BH Tx Need
- MH Tx Need
- - - SUD Tx Need
- COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- - - SUD Tx Need
- COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Youth in foster care ever in SFY, and all youth with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 6 Involvement in Criminal Justice System

STATE FISCAL YEAR	IN FOSTER CARE								ALL MEDICAID							
	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>YOUTH 12 – 17 YEARS</b>																
<b>All youth, percent</b>	<b>19%</b>	<b>19%</b>	<b>20%</b>	<b>17%</b>	<b>18%</b>				<b>5%</b>	<b>4%</b>	<b>4%</b>	<b>3%</b>	<b>3%</b>			
Number of persons with CJ	717	656	648	589	609				9,488	8,451	7,780	7,104	7,178			
Total number of persons	3,703	3,425	3,256	3,384	3,352				200,771	206,057	209,791	225,721	233,205			
<b>No known BH Tx need, percent</b>	<b>8%</b>	<b>6%</b>	<b>6%</b>	<b>5%</b>	<b>8%</b>				<b>2%</b>	<b>2%</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>			
Number of persons with CJ	49	33	29	28	43				2,756	2,331	1,977	1,670	1,810			
Total number of persons	600	561	513	539	554				143,722	145,985	147,451	159,469	162,426			
<b>MH Tx need, percent</b>	<b>21%</b>	<b>21%</b>	<b>22%</b>	<b>19%</b>	<b>20%</b>				<b>10%</b>	<b>9%</b>	<b>8%</b>	<b>7%</b>	<b>7%</b>			
Number of persons with CJ	629	603	596	535	542				5,079	4,777	4,550	4,328	4,364			
Total number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>SUD Tx need, percent</b>	<b>41%</b>	<b>42%</b>	<b>41%</b>	<b>37%</b>	<b>38%</b>				<b>33%</b>	<b>30%</b>	<b>29%</b>	<b>26%</b>	<b>26%</b>			
Number of persons with CJ	366	348	363	349	344				4,299	4,001	3,857	3,625	3,539			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>40%</b>	<b>42%</b>	<b>41%</b>	<b>38%</b>	<b>38%</b>				<b>34%</b>	<b>32%</b>	<b>30%</b>	<b>28%</b>	<b>27%</b>			
Number of persons with CJ	327	328	340	323	320				2,646	2,658	2,604	2,519	2,535			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			

**NOTES**

As criminal justice involvement is rare before adolescence, it is unmeasured for children under age 12. As such, younger children are excluded from this measure.

MEASURE 7

## Emergency Department Utilization

**INDICATOR**

Number of emergency department visits in SFY per 1,000 Medicaid (or SCHIP) member months.

**IN FOSTER CARE:**

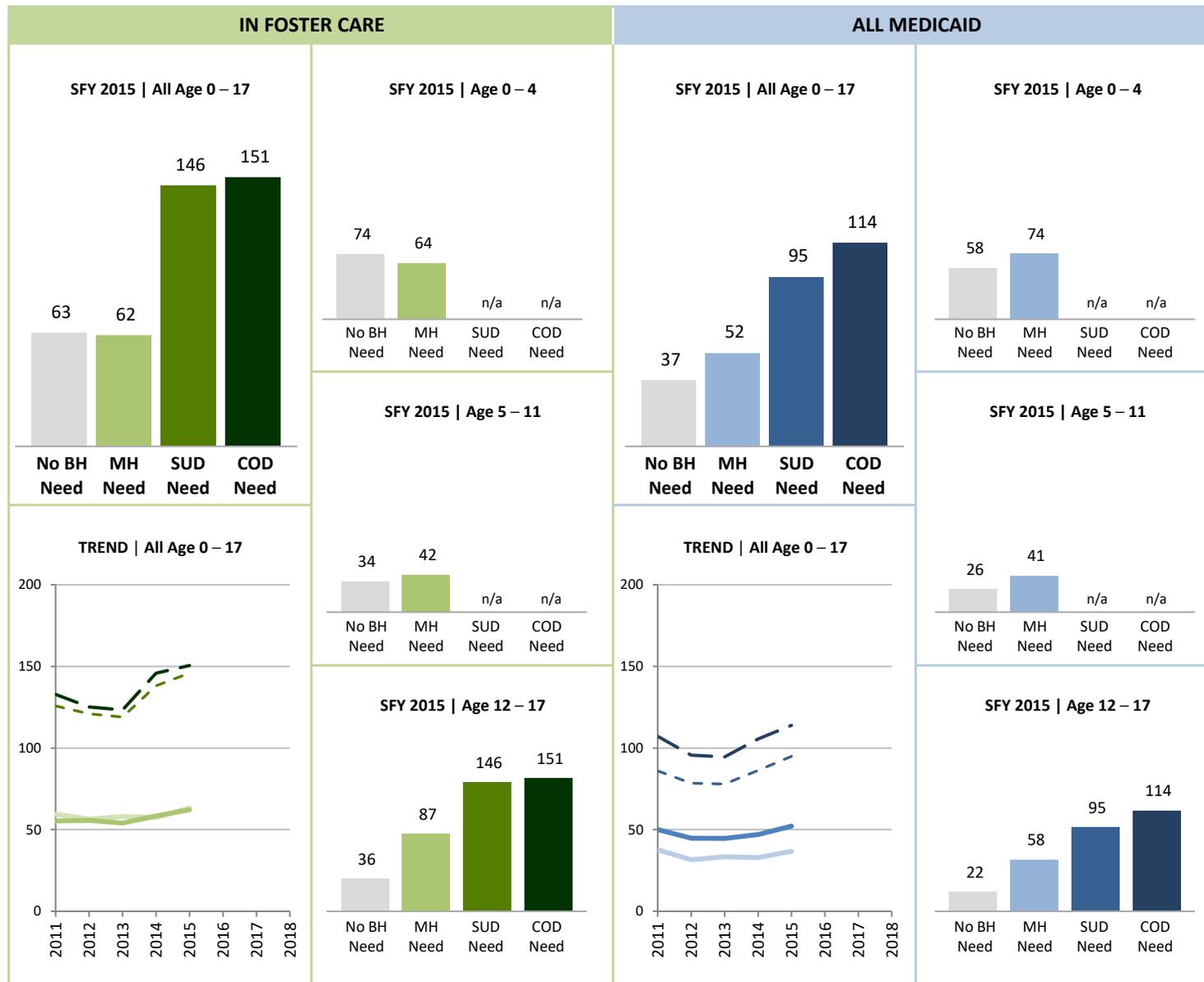
- No Known BH Tx Need
- MH Tx Need
- - - SUD Tx Need
- - - COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- - - SUD Tx Need
- - - COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 7 Emergency Department Utilization

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL PERSONS AGE 0-17</b>																
<b>Total persons, rate</b>	<b>57</b>	<b>56</b>	<b>56</b>	<b>58</b>	<b>63</b>				<b>40</b>	<b>34</b>	<b>35</b>	<b>35</b>	<b>40</b>			
Number of persons	14,482	13,899	14,085	14,995	15,086				777,523	791,280	797,678	828,909	848,557			
<b>No known BH Tx need, rate</b>	<b>59</b>	<b>56</b>	<b>58</b>	<b>57</b>	<b>63</b>				<b>38</b>	<b>32</b>	<b>33</b>	<b>33</b>	<b>37</b>			
Number of persons	6,967	6,713	6,893	7,470	7,545				656,227	663,384	666,211	693,307	706,028			
<b>MH Tx need, rate</b>	<b>55</b>	<b>56</b>	<b>54</b>	<b>58</b>	<b>62</b>				<b>50</b>	<b>45</b>	<b>45</b>	<b>47</b>	<b>52</b>			
Number of persons	7,426	7,127	7,126	7,445	7,488				116,253	122,943	126,621	130,759	138,056			
<b>SUD Tx need, rate</b>	<b>126</b>	<b>121</b>	<b>119</b>	<b>138</b>	<b>146</b>				<b>86</b>	<b>78</b>	<b>78</b>	<b>86</b>	<b>95</b>			
Number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, rate</b>	<b>133</b>	<b>125</b>	<b>123</b>	<b>146</b>	<b>151</b>				<b>107</b>	<b>96</b>	<b>95</b>	<b>106</b>	<b>114</b>			
Number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>BY AGE: 0 – 4 YEARS</b>																
<b>No known BH Tx need, rate</b>	<b>69</b>	<b>65</b>	<b>68</b>	<b>67</b>	<b>74</b>				<b>58</b>	<b>48</b>	<b>52</b>	<b>52</b>	<b>58</b>			
Number of persons	5,179	5,023	5,173	5,512	5,503				278,918	277,630	273,560	273,571	275,272			
<b>MH Tx need, rate</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>57</b>	<b>64</b>				<b>68</b>	<b>59</b>	<b>64</b>	<b>67</b>	<b>74</b>			
Number of persons	1,312	1,373	1,426	1,343	1,308				13,352	14,195	13,439	12,631	12,604			
<b>BY AGE: 5 – 11 YEARS</b>																
<b>No known BH Tx need, rate</b>	<b>32</b>	<b>28</b>	<b>31</b>	<b>29</b>	<b>34</b>				<b>24</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>26</b>			
Number of persons	1,188	1,129	1,207	1,419	1,488				233,587	239,769	245,200	260,267	268,330			
<b>MH Tx need, rate</b>	<b>35</b>	<b>36</b>	<b>32</b>	<b>37</b>	<b>42</b>				<b>37</b>	<b>33</b>	<b>33</b>	<b>36</b>	<b>41</b>			
Number of persons	3,100	2,949	3,023	3,337	3,435				50,895	53,629	55,688	56,719	59,146			
<b>BY AGE: 12 – 17 YEARS</b>																
<b>No known BH Tx need, rate</b>	<b>33</b>	<b>34</b>	<b>29</b>	<b>32</b>	<b>36</b>				<b>23</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>22</b>			
Number of persons	600	561	513	539	554				143,722	145,985	147,451	159,469	162,426			
<b>MH Tx need, rate</b>	<b>77</b>	<b>77</b>	<b>77</b>	<b>85</b>	<b>87</b>				<b>58</b>	<b>52</b>	<b>51</b>	<b>54</b>	<b>58</b>			
Number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>SUD Tx need, rate</b>	<b>126</b>	<b>121</b>	<b>119</b>	<b>138</b>	<b>146</b>				<b>86</b>	<b>78</b>	<b>78</b>	<b>86</b>	<b>95</b>			
Number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, rate</b>	<b>133</b>	<b>125</b>	<b>123</b>	<b>146</b>	<b>151</b>				<b>107</b>	<b>96</b>	<b>95</b>	<b>106</b>	<b>114</b>			
Number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			

NOTES

Rates represent number of emergency department visits per 1,000 Medicaid member months.

## MEASURE 8

**Injuries**
**INDICATOR**

Proportion of children who have been treated for an injury at least once in SFY.

**IN FOSTER CARE:**

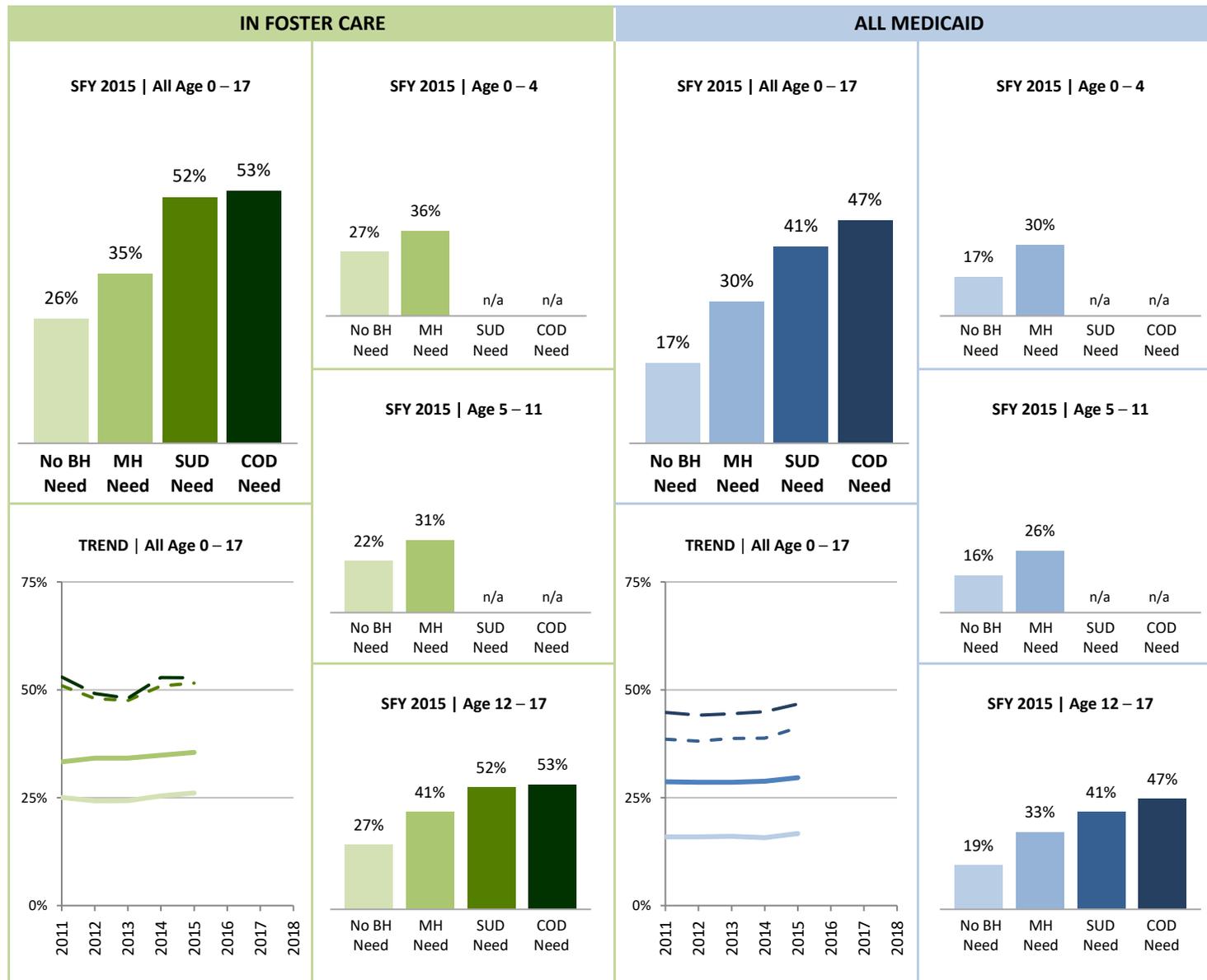
- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**ALL MEDICAID:**

- No Known BH Tx Need
- MH Tx Need
- SUD Tx Need
- COD Tx Need

**SOURCE & POPULATION**

DSHS Integrated Client Database. Children in foster care ever in SFY, and all children with Medicaid coverage (includes SCHIP) in SFY.



SUPPORTING TABLES | 8 Injuries

	IN FOSTER CARE								ALL MEDICAID							
STATE FISCAL YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL PERSONS AGE 0-17</b>																
<b>Total persons, percent</b>	<b>29%</b>	<b>29%</b>	<b>29%</b>	<b>30%</b>	<b>31%</b>				<b>18%</b>	<b>18%</b>	<b>18%</b>	<b>18%</b>	<b>19%</b>			
Number of persons with injury	4,247	4,083	4,140	4,513	4,644				139,402	142,070	144,676	148,156	160,100			
Total number of persons	14,482	13,899	14,085	14,995	15,086				777,523	791,280	797,678	828,909	848,557			
<b>No known BH Tx need, percent</b>	<b>25%</b>	<b>24%</b>	<b>24%</b>	<b>25%</b>	<b>26%</b>				<b>16%</b>	<b>16%</b>	<b>16%</b>	<b>16%</b>	<b>17%</b>			
Number of persons with injury	1,744	1,630	1,678	1,897	1,969				104,612	105,539	107,078	109,151	117,847			
Total number of persons	6,967	6,713	6,893	7,470	7,545				656,227	663,384	666,211	693,307	706,028			
<b>MH Tx need, percent</b>	<b>33%</b>	<b>34%</b>	<b>34%</b>	<b>35%</b>	<b>35%</b>				<b>29%</b>	<b>29%</b>	<b>29%</b>	<b>29%</b>	<b>30%</b>			
Number of persons with injury	2,474	2,434	2,435	2,592	2,658				33,335	35,140	36,218	37,681	40,922			
Total number of persons	7,426	7,127	7,126	7,445	7,488				116,253	122,943	126,621	130,759	138,056			
<b>SUD Tx need, percent</b>	<b>51%</b>	<b>48%</b>	<b>48%</b>	<b>51%</b>	<b>52%</b>				<b>39%</b>	<b>38%</b>	<b>39%</b>	<b>39%</b>	<b>41%</b>			
Number of persons with injury	457	399	421	476	463				4,946	5,036	5,224	5,377	5,718			
Total number of persons	897	832	886	935	898				12,838	13,215	13,495	13,864	13,867			
<b>Co-occurring Tx need, percent</b>	<b>53%</b>	<b>49%</b>	<b>48%</b>	<b>53%</b>	<b>53%</b>				<b>45%</b>	<b>44%</b>	<b>44%</b>	<b>45%</b>	<b>47%</b>			
Number of persons with injury	428	380	394	452	446				3,491	3,645	3,844	4,053	4,387			
Total number of persons	808	773	820	855	845				7,795	8,262	8,649	9,021	9,394			
<b>BY AGE: 0 – 4 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>27%</b>	<b>26%</b>	<b>25%</b>	<b>27%</b>	<b>27%</b>				<b>16%</b>	<b>16%</b>	<b>16%</b>	<b>16%</b>	<b>17%</b>			
Number of persons with injury	1,383	1,301	1,303	1,467	1,493				44,692	44,335	43,874	43,711	45,511			
Total number of persons	5,179	5,023	5,173	5,512	5,503				278,918	277,630	273,560	273,571	275,272			
<b>MH Tx need, percent</b>	<b>33%</b>	<b>33%</b>	<b>34%</b>	<b>37%</b>	<b>36%</b>				<b>29%</b>	<b>28%</b>	<b>30%</b>	<b>30%</b>	<b>30%</b>			
Number of persons with injury	430	454	490	493	471				3,889	4,038	3,980	3,795	3,800			
Total number of persons	1,312	1,373	1,426	1,343	1,308				13,352	14,195	13,439	12,631	12,604			
<b>BY AGE: 5 – 11 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>19%</b>	<b>20%</b>	<b>21%</b>	<b>21%</b>	<b>22%</b>				<b>15%</b>	<b>15%</b>	<b>15%</b>	<b>15%</b>	<b>16%</b>			
Number of persons with injury	226	221	250	292	325				33,913	35,196	36,467	37,924	42,019			
Total number of persons	1,188	1,129	1,207	1,419	1,488				233,587	239,769	245,200	260,267	268,330			
<b>MH Tx need, percent</b>	<b>27%</b>	<b>30%</b>	<b>28%</b>	<b>28%</b>	<b>31%</b>				<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>26%</b>			
Number of persons with injury	846	871	858	929	1,056				12,596	13,326	13,881	14,239	15,499			
Total number of persons	3,100	2,949	3,023	3,337	3,435				50,895	53,629	55,688	56,719	59,146			
<b>BY AGE: 12 – 17 YEARS</b>																
<b>No known BH Tx need, percent</b>	<b>23%</b>	<b>19%</b>	<b>24%</b>	<b>26%</b>	<b>27%</b>				<b>18%</b>	<b>18%</b>	<b>18%</b>	<b>17%</b>	<b>19%</b>			
Number of persons with injury	135	108	125	138	151				26,007	26,008	26,737	27,516	30,317			
Total number of persons	600	561	513	539	554				143,722	145,985	147,451	159,469	162,426			
<b>MH Tx need, percent</b>	<b>40%</b>	<b>40%</b>	<b>41%</b>	<b>42%</b>	<b>41%</b>				<b>32%</b>	<b>32%</b>	<b>32%</b>	<b>32%</b>	<b>33%</b>			
Number of persons with injury	1,198	1,109	1,087	1,170	1,131				16,850	17,776	18,357	19,647	21,623			
Total number of persons	3,014	2,805	2,677	2,765	2,745				52,006	55,119	57,494	61,409	66,306			
<b>SUD Tx need, percent</b>	<b>51%</b>	<b>48%</b>	<b>48%</b>	<b>51%</b>	<b>52%</b>				<b>39%</b>	<b>38%</b>	<b>39%</b>	<b>39%</b>	<b>41%</b>			
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## Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

### TECHNICAL NOTES

**POPULATION:** All children age 0 – 17 on Medicaid (including SCHIP) during the state fiscal year (SFY), and the subset of these children in foster care placement ever in the SFY. Included foster care children may enter foster care in the SFY, exit foster care in the SFY, or live in foster care placement throughout the year. In this dashboard, foster care refers to any out-of-home placement under the authority of Children's Administration, including unpaid unlicensed relative care. "Youth" specifically refers to the 12-17 age subgroup.

### CATEGORIES OF TREATMENT NEED (2-year window)

- **Mental health treatment need (MH):** In the past 24 months, any mental health diagnosis, prescription or service recorded in administrative data. The following diagnostic categories are included: Psychotic, Bipolar, Depressive, Anxiety, Adjustment, and ADHD/Conduct/Impulse. The following medication classes are included: Antipsychotic, Antimania, Antidepressant, Antianxiety, and ADHD. Mental health services include DBHR contracted community inpatient or outpatient, state hospital or children's long-term inpatient (CLIP), HCA-funded mental health services, tribal mental health services, and Children's Administration Behavioral Rehabilitation Services (BRS).
- **Substance use disorder treatment need (SUD):** In the past 24 months, at least one substance-related diagnosis, procedure, prescription, treatment, or arrest. As substance use disorder treatment need is rare before adolescence, SUD is unmeasured for children under age 12.
- **Co-occurring treatment needs (COD = MH + SUD):** Presence of both a mental health treatment need and substance use disorder treatment need during the same 24-month period. As substance use disorder treatment need is rare before adolescence, COD is unmeasured for children under age 12.
- **No known behavioral health treatment need:** Neither a mental health treatment need nor a substance use disorder treatment need present during the 24-month period.

### PARENTAL RISK FACTORS (5-year window; see G)

- **Parent mental health treatment need:** In five-year period, either parent had a mental health diagnosis, prescription, or service recorded in administrative data (see above for additional detail); or had an indication of MH treatment need (CA/Children's Administration administrative data).
- **Parent criminal justice involvement:** In a five year-period, either parent had an arrest or conviction recorded by state patrol or court filings, including adjudication in state court database, for any crime category; or any incarceration in a Department of Corrections facility; or had an indication of criminality (CA administrative data).
- **Parent TANF:** In five-year period, either parent received cash assistance through Temporary Assistance for Needy Families (TANF) or State Family Assistance (SFA).
- **Parent significant health problems:** In five-year period, either parent had a medical risk score at or above the average level in the Disabled Medicaid population.
- **Parent Children's Admin involvement:** In five-year period, either parent received any services from DSHS' Children's Administration (CA).
- **Parent substance use treatment need:** In five-year period, either parent had a substance-related diagnosis, procedure, prescription, or treatment in administrative data; or had SUD treatment need indicated in CA's administrative data; or was arrested for a charge recorded a substance-related crime category.
- **Parent homelessness or housing instability:** In five year-period, either parent experienced at least one spell of homelessness, including shelter stays and couch-surfing/doubling up, recorded by a financial eligibility worker during eligibility determination; or had an indication of homelessness in CA's data system.
- **Parent limited English proficiency:** In a five-year period, either parent had a primary language other than English and needed interpretation services.
- **Parent domestic violence:** Any arrest or conviction for which the charge recorded is in a domestic violence crime category. Report of domestic violence in comprehensive evaluation (TANF families only), participant in address confidentiality program, or non-cooperation with division of child support is allowed due to domestic violence concerns. Indication of domestic violence in CA's administrative data.

**DATA SOURCES:** DSHS Integrated Client Database; FamLink.



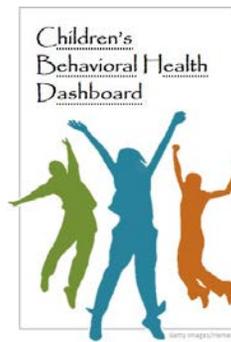
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# Behavioral Health Treatment Needs and Outcomes among Medicaid Children in Washington State

FEBRUARY 2018



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## ACKNOWLEDGMENTS

Several of the measures included in this dashboard were modeled from measures developed in collaboration with the Children's Behavioral Health Data and Quality Team, a diverse group of children's behavioral health stakeholders in Washington State. For more information, see the DBHR's Children's Behavioral Health website (<https://www.dshs.wa.gov/bha/division-behavioral-health-and-recovery/childrens-behavioral-health>).