Performance Outcomes System Initial Reports

Report run on July 29, 2015

Background

This is the first round of county-specific reporting produced for the Performance Outcomes System which reflects a refresh of the data on the indicators that were reported in February 2015 at the statewide aggregate level. These reports help meet the intent of the Legislature, as stated in Welfare and Institutions Code Section 14707.5, to develop a performance outcomes system for Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) mental health services that will improve outcomes at the individual, program, and system levels and inform fiscal decision-making related to the purchase of services. This reporting effort is part of the implementation of a performance outcomes system for Medi-Cal Specialty Mental Health Services (SMHS) for children and youth.

Since 2012 DHCS has worked with several groups of stakeholders to create a structure for reporting, develop the Performance Measurement Paradigm, and develop indicators and measures. The Performance Outcomes System will be used to evaluate the domains of access, engagement, service appropriateness to need, service effectiveness, linkages, cost effectiveness and satisfaction.

Purpose and Overview

Moving forward, three reports will be created during each new reporting period. The reports that will be produced are the following: statewide aggregate data; population-based county groups; and county-specific data. These are the first county-specific reports providing updated information on the initial indicators that were developed for the Performance Outcomes System and reported on at the statewide aggregate level in February 2015; they help establish a foundation for on-going reporting. DHCS plans to move to annual reporting of this data for the Performance Outcomes System.

The first reports focus on the demographic characteristics of the children and youth under 21 who are receiving Specialty Mental Health Services (SMHS), based on approved claims for Medi-Cal eligible beneficiaries. The reports include data on the demographics of this population by age, gender, race/ethnicity. Two types of penetration information are provided for children/youth served and not served. Both penetration rate tables are also broken out by demographic characteristics.

Utilization of services reports are shown in terms of dollars, as well as by service, in time increments. The snapshot report provides a point-in-time view of children arriving, exiting and continuing services over a two year period. The final report provides a view over the past four years of the time to step-down services (i.e., time to next contact after an inpatient discharge). Where possible, the reports provide trend information by displaying information for Fiscal Years (FY) 10/11, 11/12, 12/13, and 13/14.

Note: The time to step-down report has a change in methodology from the first report produced in February 2015. In the initial February report only outpatient services provided at least one day after the inpatient discharge were included in the calculations. Starting with this report, any outpatient service that occurs on or after the inpatient discharge is included in the analysis.

Definitions

Population –

Beneficiaries with approved services adjudicated through the Short Doyle/Medi-Cal II claiming system that were:

- Age 20 or younger during the approved date of service on the claim; or
- Age 21 during the approved date of the service on the claim and a birth date on or after January 1st of the Fiscal Year.

Data Sources -

- Short-Doyle/Medi-Cal II (SD/MC II) claims with dates of service in FY 10/11 through FY 13/14.
- Medi-Cal Eligibility Data System (MEDS) data from the Management Information System/Decision Support System (MIS/DSS) FY 10/11 through FY 13/14.

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Additional Information

The Measures Catalog is the companion document for these reports and provides the methodology and definitions for the measures. Each measure is defined and the numerator and denominator used to develop the metrics are provided with relevant notes and additional references. The Measures Catalog may be found at:
http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf

Background information on the Performance Measures System implementation is available on the DHCS website. Documents posted include the relevant legislation, plans submitted to the Legislature, and handouts for meetings with the Stakeholder Advisory Committee dating back to the first meeting in 2012. To obtain this information go to:
http://www.dhcs.ca.gov/provgovpart/pos/Pages/Performance-Outcomes-System-Legislation.aspx

Report Interpretation

*County-specific findings may be interpreted alongside the POS statewide and population-based report findings.

*The penetration rates reported here were calculated using a different methodology than that used by the External Quality Review Organization (EQRO). The differences in methodology make comparison between the POS penetration rates and the EQRO penetration rates not appropriate or useful. The POS methodology for calculating penetration rates was selected because it is easier to compute, more straightforward to interpret, and is in use by other states and counties. For the POS, the penetration rate is calculated by taking the total number of youth who received X number of Specialty Mental Health Services (1 or 5 for POS) in a FY and dividing that by the total number of Medi-Cal eligible youth for that FY. This methodology results in lower penetration rates as compared to the EQRO rates, but it does so across the board so that all counties and the state will be similarly impacted.

*The snapshot report provides a point-in-time look at children and youth's movement through the SMHS system. The report uses five general categories to classify if a youth is entering, exiting, continuing services, or a combination of these categories (e.g., arriving and exiting). As of now, this report only classifies youth and their service usage for FY 12/13 and FY13/14. Eventually the snapshot data will be used along with measures of service effectiveness to identify whether youth are improving as a result of receiving services from the time they first arrived in the system to when they exit the system. This methodology was adapted from the California Mental Health and Substance Use System Needs Assessment (2012). More information on the original methodology can be found here:
http://www.dhcs.ca.gov/services/MH/Documents/MedCCC/Library/POSMeasuresCatalog_Sept15Reporting_Final_1.11.15.pdf

*The psychiatric emergency services/hospital data reported on in the time to step-down services report relies solely on claims data from Short Doyle/Medi-Cal II. In the future this report will incorporate other outpatient and inpatient Medi-Cal SMHS' billed through the Managed Care healthcare delivery systems.

*DHCS is in process of updating the data source for the two following types of Service Usage: Hospital Inpatient and Hospital Inpatient Admin.. This is being done to ensure the findings are complete. June 1016 is slated for an update of the POS reports and will include fee-for service data where it is appropriate.

Please contact cmhpos@dhcs.ca.gov for any questions regarding this report.

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
Riverside County as of July 29, 2015

SFY	Unique Count Receiving SMHS*	Year-Over-Year Percentage Change	Unique Count of Medi-Cal Eligibles	Year-Over-Year Percentage Change
FY 10-11	8,741		290,776	
FY 11-12	9,244	5.8%	301,527	3.7%
FY 12-13	10,384	12.3%	363,194	20.5%
FY 13-14**	11,694	12.6%	409,539	12.8%
Compound Annual Growth Rate SFY**		**10.2%**		**12.1%**

**SMHS = Specialty Mental Health Services. See Measures Catalog for more detailed information.*

***SFY = State Fiscal Year which is July 1 through June 30.*

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
Riverside County as of July 29, 2015

Fiscal Year	Alaskan Native or American Indian Count	Alaskan Native or American Indian %	Asian or Pacific Islander Count	Asian or Pacific Islander %	Black Count	Black %	Hispanic Count	Hispanic %	White Count	White %	Other Count	Other %	Unknown Count	Unknown %
FY 10-11	44	0.5%	75	0.9%	1,233	14.1%	3,940	45.1%	2,771	31.7%	16	0.2%	662	7.6%
FY 11-12	55	0.6%	78	0.8%	1,183	12.8%	4,199	45.4%	2,937	31.8%	27	0.3%	765	8.3%
FY 12-13	49	0.5%	79	0.8%	1,211	11.7%	5,035	48.5%	3,007	29.0%	56	0.5%	947	9.1%
FY 13-14	43	0.4%	113	1.0%	1,284	11.0%	5,873	50.2%	3,181	27.2%	66	0.6%	1,134	9.7%

**FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.*

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
Riverside County as of July 29, 2015

Fiscal Year	Children 0-5 Count	Children 0-5 %	Children 6-11 Count	Children 6-11 %	Children 12-17 Count	Children 12-17 %	Youth 18-20 Count	Youth 18-20 %
FY 10-11	705	8.1%	2,687	30.7%	4,138	47.3%	1,211	13.9%
FY 11-12	724	7.8%	3,015	32.6%	4,257	46.1%	1,248	13.5%
FY 12-13	757	7.3%	3,457	33.3%	4,858	46.8%	1,312	12.6%
FY 13-14	742	6.3%	3,877	33.2%	5,568	47.6%	1,507	12.9%

**FY 13-14 claims are estimated to be 95% complete as of January 1, 2015.*

Demographics Report: Unique Count of Children and Youth Receiving SMHS by Fiscal Year
Riverside County as of July 29, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	3,630	41.5%	5,111	58.5%
FY 11-12	3,879	42.0%	5,365	58.0%
FY 12-13	4,386	42.2%	5,998	57.8%
FY 13-14	5,156	44.1%	6,538	55.9%

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
Riverside County as of July 29, 2015

	FY 10-11			FY 11-12			FY 12-13			FY 13-14		
	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 1 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate
All	**8,741**	**290,776**	**3.0%**	**9,244**	**301,527**	**3.1%**	**10,384**	**363,194**	**2.9%**	**11,694**	**409,539**	**2.9%**
Children 0-5	705	115,118	0.6%	724	115,201	0.6%	757	123,539	0.6%	742	127,747	0.6%
Children 6-11	2,687	77,757	3.5%	3,015	82,168	3.7%	3,457	108,073	3.2%	3,877	122,260	3.2%
Children 12-17	4,138	67,627	6.1%	4,257	70,745	6.0%	4,858	94,060	5.2%	5,568	108,497	5.1%
Youth 18-20	1,211	30,274	4.0%	1,248	33,413	3.7%	1,312	37,522	3.5%	1,507	51,035	3.0%
Alaskan Native or American Indian	44	719	6.1%	55	721	7.6%	49	769	6.4%	43	896	4.8%
Asian or Pacific Islander	75	6,539	1.1%	78	6,566	1.2%	79	8,911	0.9%	113	11,614	1.0%
Black	1,233	23,432	5.3%	1,183	24,061	4.9%	1,211	25,328	4.8%	1,284	26,746	4.8%
Hispanic	3,940	187,758	2.1%	4,199	193,307	2.2%	5,035	229,977	2.2%	5,873	249,878	2.4%
White	2,771	45,264	6.1%	2,937	46,457	6.3%	3,007	53,466	5.6%	3,181	61,584	5.2%
Other	16	1,703	0.9%	27	1,380	2.0%	56	2,474	2.3%	66	3,458	1.9%
Unknown	662	25,361	2.6%	765	29,035	2.6%	947	42,269	2.2%	1,134	55,363	2.0%
Female	3,630	144,639	2.5%	3,879	150,231	2.6%	4,386	180,043	2.4%	5,156	202,956	2.5%
Male	5,111	146,137	3.5%	5,365	151,296	3.5%	5,998	183,151	3.3%	6,538	206,583	3.2%

**Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.*

***Children and Youth that have received at least one SMHS that was claimed through the Short-Doyle/ Medi-Cal claiming system on at least one (1) day in the Fiscal Year.*

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
Riverside County as of July 29, 2015

	FY 10-11			FY 11-12			FY 12-13			FY 13-14		
	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate	Children and Youth with 5 or more SMHS Visits	Certified Eligible Children and Youth	Penetration Rate
All	**5,877**	**290,776**	**2.0%**	**6,002**	**301,527**	**2.0%**	**6,907**	**363,194**	**1.9%**	**7,989**	**409,539**	**2.0%**
Children 0-5	437	115,118	0.4%	448	115,201	0.4%	478	123,539	0.4%	448	127,747	0.4%
Children 6-11	1,807	77,757	2.3%	1,924	82,168	2.3%	2,351	108,073	2.2%	2,747	122,260	2.2%
Children 12-17	2,875	67,627	4.3%	2,890	70,745	4.1%	3,289	94,060	3.5%	3,881	108,497	3.6%
Youth 18-20	758	30,274	2.5%	740	33,413	2.2%	789	37,522	2.1%	913	51,035	1.8%
Alaskan Native or American Indian	29	719	4.0%	36	721	5.0%	37	769	4.8%	28	896	3.1%
Asian or Pacific Islander	49	6,539	0.7%	44	6,566	0.7%	52	8,911	0.6%	68	11,614	0.6%
Black	833	23,432	3.6%	756	24,061	3.1%	772	25,328	3.0%	864	26,746	3.2%
Hispanic	2,553	187,758	1.4%	2,657	193,307	1.4%	3,313	229,977	1.4%	3,982	249,878	1.6%
White	1,896	45,264	4.2%	1,932	46,457	4.2%	2,066	53,466	3.9%	2,205	61,584	3.6%
Other	15	1,703	0.9%	16	1,380	1.2%	30	2,474	1.2%	47	3,458	1.4%
Unknown	502	25,361	2.0%	561	29,035	1.9%	637	42,269	1.5%	795	55,363	1.4%
Female	2,319	144,639	1.6%	2,453	150,231	1.6%	2,895	180,043	1.6%	3,463	202,956	1.7%
Male	3,558	146,137	2.4%	3,549	151,296	2.3%	4,012	183,151	2.2%	4,526	206,583	2.2%

**Penetration Rate is defined as the percentage of SMHS eligible beneficiaries that have received a SMHS that was claimed via the Short-Doyle/Medi-Cal claiming system. This does not include non-specialty mental health services provided in Medi-Cal Managed Care system.*

***Children and Youth that have received at least five SMHS that were claimed through the Short-Doyle/ Medi-Cal claiming system on at least five (5) or more different days in the Fiscal Year.*

Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year**
Riverside County as of July 29, 2015

Fiscal Year	SDMC Total Approved	IHBS (Minutes)	ICC (Minutes)	Case Management/ Brokerage (Minutes)	Mental Health Services (Minutes)	Therapeutic Behavioral Services (Minutes)	Medication Support Services (Minutes)	Crisis Intervention (Minutes)	Crisis Stabilization (Hours)	Full Day Treatment Intensive (Hours)	Full Day Rehabilitation (Hours)	Hospital Inpatient (Days)***	Hospital Inpatient Admin (Days)	Crisis Residential Treatment Services (Days)	Adult Residential Treatment Services (Days)	Psychiatric Health Facility (Days)
FY 10-11	$ 3,345.94	0	0	702	949	9989	206	129	10	566	0	N/A	N/A	10	210	14
FY 11-12	$ 2,995.98	0	0	560	880	9328	196	112	10	441	132	N/A	N/A	8	129	24
FY 12-13	$ 2,993.08	0	0	617	884	10557	201	119	12	448	246	N/A	N/A	9	78	5
FY 13-14	$ 2,954.95	1493	734	534	867	10385	225	122	14	520	0	N/A	N/A	10	70	5
MEAN	**$ 3,072.49**	**1493**	**734**	**603**	**895**	**10065**	**207**	**121**	**11**	**494**	**189**	**N/A**	**N/A**	**9**	**122**	**12**

**The graphs are color coded so that those reported in the same unit of analysis (e.g., minutes) are colored similarly.*
Please note that (n) values listed at the bottom of each bar graph represent the actual number of children/youth that received the SMHS represented in their respective graph by Fiscal Year.
***This report contains inpatient services that were claimed through the Short-Doyle/Medi-Cal claiming system.

Snapshot Report: Unique Count of Children and Youth Receiving SMHS
Arriving, Exiting, and with Service Continuance by Fiscal Year
Riverside County as of August 3, 2015

Category	Description (Please refer to the Measures Catalog for more detailed descriptions on all Performance Outcomes System measures.)
Arrivals	Children/Youth that did not receive any SMHS within 3 months of their first date of service in the Fiscal Year.
Service Continuance	Children/Youth receiving continuous services with no breaks in service greater than 90 days for a period of at least 2 years (>= 2 YR) or a period of 1 to 2 years (< 2 YR).
Exiting	Children/Youth that did not receive any SMHS within 3 months after their last date of service in the Fiscal Year.
Arriving & Exiting	A distinct category in which children/youth met both the criteria for **Arrivals** and **Exiting** above for the fiscal year.
Service Continuance & Exiting	A distinct category in which Children/Youth had at least 2 years of Service Continuance going into the Fiscal Year and then Exited within the same Fiscal Year.

Service Fiscal Year	Arrivals Count	Arrivals %	Service Continuance (>= 2 YR) Count	Service Continuance (>= 2 YR) %	Service Continuance (<2 YR) Count	Service Continuance (< 2 YR) %	Exiting Count	Exiting %	Arriving & Exiting Count	Arriving & Exiting %	Service Continuance (>= 2 YR) & Exiting Count	Service Continuance (>= 2 YR) and Exiting %	Total Count	Total %
FY 12-13	2,658	25.6%	528	5.1%	776	7.5%	1,706	16.4%	4,348	41.9%	368	3.5%	10,384	100%
FY 13-14	2,755	23.6%	616	5.3%	922	7.9%	2,301	19.7%	4,716	40.3%	384	3.3%	11,694	100%

Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge
Riverside County as of July 28, 2015

Service FY	Count of Inpatient Discharges with Step Down within 7 Days of Discharge	Percentage of Inpatient Discharges with Step Down within 7 Days of Discharge	Count of Inpatient Discharges with Step Down within 30 Days of Discharge	Percentage of Inpatient Discharges with Step Down within 30 Days of Discharge	Count of Inpatient Discharges with a Step Down > 30 Days from Discharge	Percentage of Inpatient Discharges with a Step Down > 30 Days from Discharge	Count of Inpatient Discharges with No Step Down**	Percentage of Inpatient Discharges with No Step Down	Minimum Number of Days between Discharge and Step Down	Maximum Number of Days between Discharge and Step Down	Mean Time to Next Contact Post Inpatient Discharge (Days)	Median Time to Next Contact Post Inpatient Discharge (Days)
FY 10-11	1377	83.5%	1554	94.2%	47	2.9%	48	2.9%	0	1405	15.1	0
FY 11-12	^	^	^	^	^	^	^	^	0	0	0.0	0
FY 12-13	^	^	^	^	^	^	^	^	0	0	0.0	0
FY 13-14	^	^	^	^	^	^	^	^	0	0	0.0	0

** This report contains inpatient services that were claimed through the Short-Doyle/Medi-Cal claiming system and the Fee-for-Service, California Medicaid Management Information System (CA-MMIS).*

***No Step Down is defined as no Medi-Cal eligible service was claimed through Short-Doyle/Medi-Cal after a claimed inpatient service was billed with a discharge date. This category may include data currently unavailable to DHCS, such as beneficiaries that we*