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
Solano 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	1,593		42,018	
FY 11-12	1,656	4.0%	42,683	1.6%
FY 12-13	1,823	10.1%	47,468	11.2%
FY 13-14**	1,817	-0.3%	53,097	11.9%
Compound Annual Growth Rate SFY**		**4.5%**		**8.1%**

**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
Solano 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	15	0.9%	42	2.6%	549	34.5%	357	22.4%	457	28.7%	41	2.6%	132	8.3%
FY 11-12	14	0.8%	58	3.5%	509	30.7%	424	25.6%	463	28.0%	47	2.8%	141	8.5%
FY 12-13	15	0.8%	55	3.0%	539	29.6%	483	26.5%	529	29.0%	87	4.8%	115	6.3%
FY 13-14	19	1.0%	52	2.9%	515	28.3%	459	25.3%	533	29.3%	104	5.7%	135	7.4%

**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
Solano 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	364	22.8%	452	28.4%	592	37.2%	185	11.6%
FY 11-12	395	23.9%	495	29.9%	589	35.6%	177	10.7%
FY 12-13	357	19.6%	566	31.0%	703	38.6%	197	10.8%
FY 13-14	338	18.6%	572	31.5%	737	40.6%	170	9.4%

**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
Solano County as of July 29, 2015

Fiscal Year	Female Count	Female %	Male Count	Male %
FY 10-11	662	41.6%	931	58.4%
FY 11-12	685	41.4%	971	58.6%
FY 12-13	804	44.1%	1,019	55.9%
FY 13-14	795	43.8%	1,022	56.2%

Penetration Rates* Report: Children and Youth With At Least One SMHS Visit**
Solano 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	**1,593**	**42,018**	**3.8%**	**1,656**	**42,683**	**3.9%**	**1,823**	**47,468**	**3.8%**	**1,817**	**53,097**	**3.4%**
Children 0-5	364	15,577	2.3%	395	15,501	2.5%	357	16,187	2.2%	338	17,027	2.0%
Children 6-11	452	11,111	4.1%	495	11,509	4.3%	566	13,767	4.1%	572	15,571	3.7%
Children 12-17	592	9,515	6.2%	589	9,669	6.1%	703	11,484	6.1%	737	13,134	5.6%
Youth 18-20	185	5,815	3.2%	177	6,004	2.9%	197	6,030	3.3%	170	7,365	2.3%
Alaskan Native or American Indian	15	218	6.9%	14	235	6.0%	15	226	6.6%	19	242	7.9%
Asian or Pacific Islander	42	4,227	1.0%	58	4,185	1.4%	55	4,850	1.1%	52	5,878	0.9%
Black	549	10,721	5.1%	509	10,547	4.8%	539	10,921	4.9%	515	11,531	4.5%
Hispanic	357	14,248	2.5%	424	14,755	2.9%	483	16,905	2.9%	459	18,431	2.5%
White	457	8,361	5.5%	463	8,329	5.6%	529	8,821	6.0%	533	9,828	5.4%
Other	41	2,109	1.9%	47	2,359	2.0%	87	3,223	2.7%	104	4,142	2.5%
Unknown	132	2,134	6.2%	141	2,273	6.2%	115	2,522	4.6%	135	3,045	4.4%
Female	662	20,815	3.2%	685	21,211	3.2%	804	23,466	3.4%	795	26,194	3.0%
Male	931	21,203	4.4%	971	21,472	4.5%	1,019	24,002	4.2%	1,022	26,903	3.8%

**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**
Solano 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	**1,253**	**42,018**	**3.0%**	**1,331**	**42,683**	**3.1%**	**1,376**	**47,468**	**2.9%**	**1,363**	**53,097**	**2.6%**
Children 0-5	303	15,577	1.9%	333	15,501	2.1%	287	16,187	1.8%	296	17,027	1.7%
Children 6-11	359	11,111	3.2%	398	11,509	3.5%	448	13,767	3.3%	421	15,571	2.7%
Children 12-17	478	9,515	5.0%	471	9,669	4.9%	524	11,484	4.6%	542	13,134	4.1%
Youth 18-20	113	5,815	1.9%	129	6,004	2.1%	117	6,030	1.9%	104	7,365	1.4%
Alaskan Native or American Indian	11	218	5.0%	11	235	4.7%	^	226	^	15	242	6.2%
Asian or Pacific Islander	33	4,227	0.8%	38	4,185	0.9%	42	4,850	0.9%	38	5,878	0.6%
Black	408	10,721	3.8%	409	10,547	3.9%	377	10,921	3.5%	375	11,531	3.3%
Hispanic	290	14,248	2.0%	351	14,755	2.4%	372	16,905	2.2%	343	18,431	1.9%
White	362	8,361	4.3%	375	8,329	4.5%	416	8,821	4.7%	412	9,828	4.2%
Other	34	2,109	1.6%	36	2,359	1.5%	^	3,223	^	76	4,142	1.8%
Unknown	115	2,134	5.4%	111	2,273	4.9%	98	2,522	3.9%	104	3,045	3.4%
Female	515	20,815	2.5%	558	21,211	2.6%	585	23,466	2.5%	595	26,194	2.3%
Male	738	21,203	3.5%	773	21,472	3.6%	791	24,002	3.3%	768	26,903	2.9%

**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.*

^ Data has been suppressed to protect patient privacy.

Utilization Report*: Approved Specialty Mental Health Services for Children and Youth
Mean Expenditures and Mean Service Quantity per Unique Beneficiary by Fiscal Year**
Solano 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	$ 6,585.38	0	0	370	1848	7474	232	254	0	749	497	N/A	N/A	44	0	0
FY 11-12	$ 6,368.85	0	0	380	1919	6901	246	333	0	846	328	N/A	N/A	20	0	0
FY 12-13	$ 7,365.68	0	0	343	1623	6188	231	276	12	530	639	N/A	N/A	37	0	0
FY 13-14	$ 8,143.24	2139	443	289	1538	5170	216	180	16	596	661	N/A	N/A	25	0	18
MEAN	**$ 7,115.79**	**2139**	**443**	**345**	**1732**	**6433**	**231**	**261**	**14**	**680**	**531**	**N/A**	**N/A**	**32**	**0**	**18**

**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
Solano 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	451	24.7%	168	9.2%	161	8.8%	381	20.9%	561	30.8%	101	5.5%	1,823	100%
FY 13-14	452	24.9%	162	8.9%	176	9.7%	378	20.8%	571	31.4%	78	4.3%	1,817	100%

Time to Step Down Report: Children and Youth Stepping Down in SMHS Services Post Inpatient Discharge
Solano 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	177	75.0%	200	84.7%	22	9.3%	14	5.9%	0	1402	25.3	0
FY 11-12	231	84.3%	249	90.9%	^	^	^	^	0	827	13.1	0
FY 12-13	237	78.2%	266	87.8%	20	6.6%	17	5.6%	0	676	16.4	0
FY 13-14	297	74.8%	340	85.6%	32	8.1%	25	6.3%	0	473	14.0	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 w*

^ Data has been suppressed to protect patient privacy.