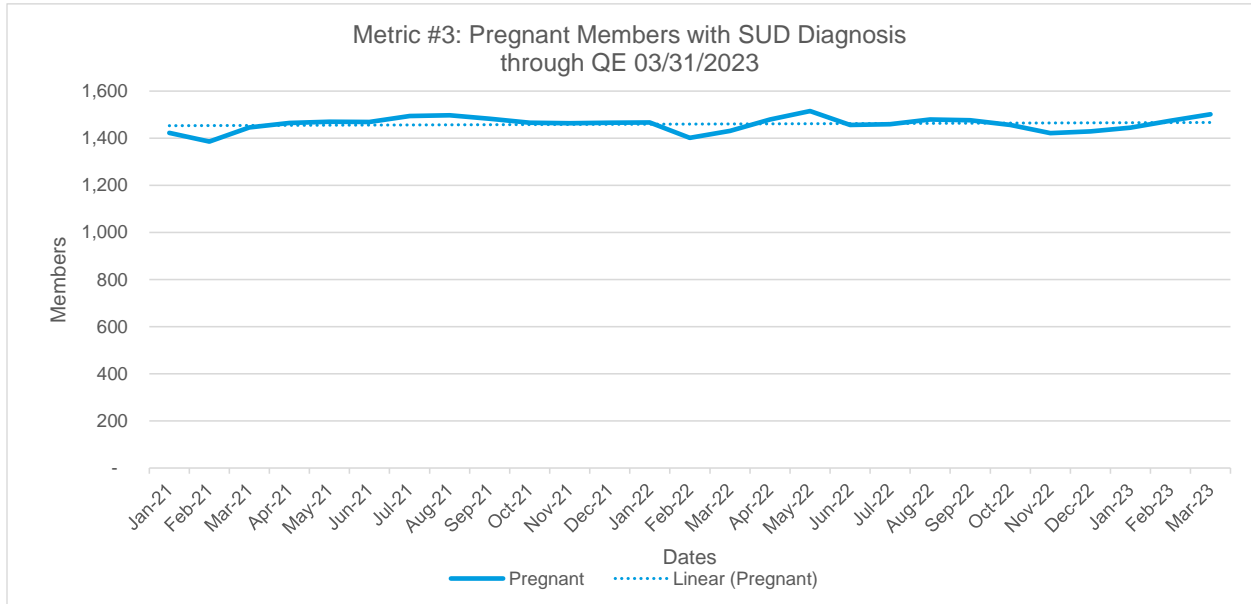
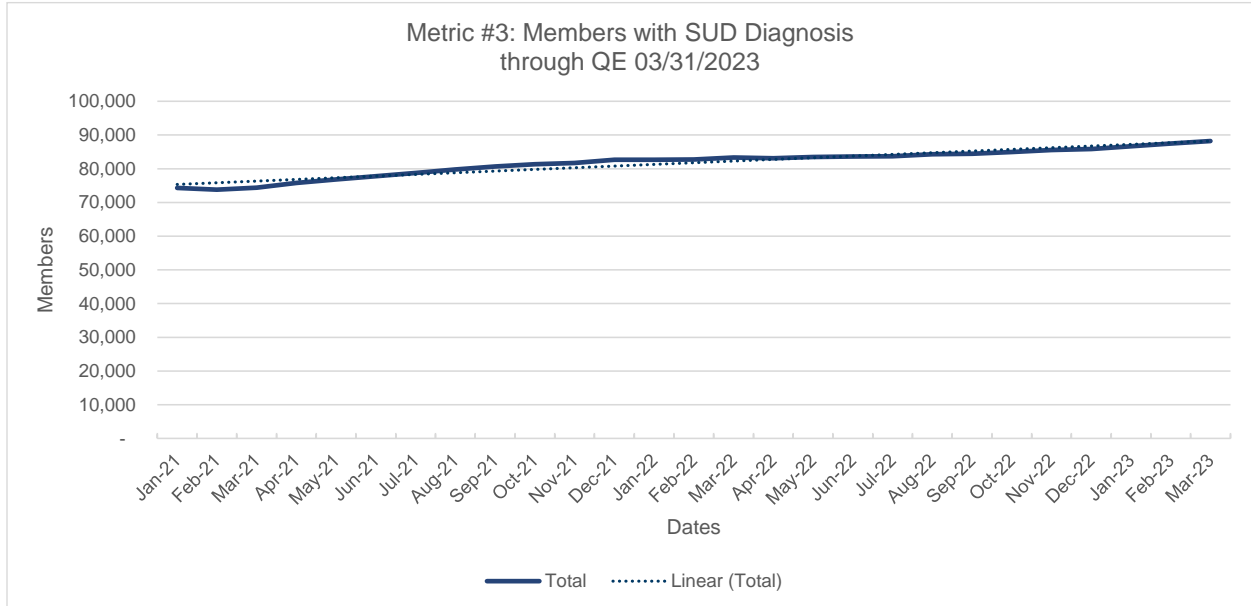
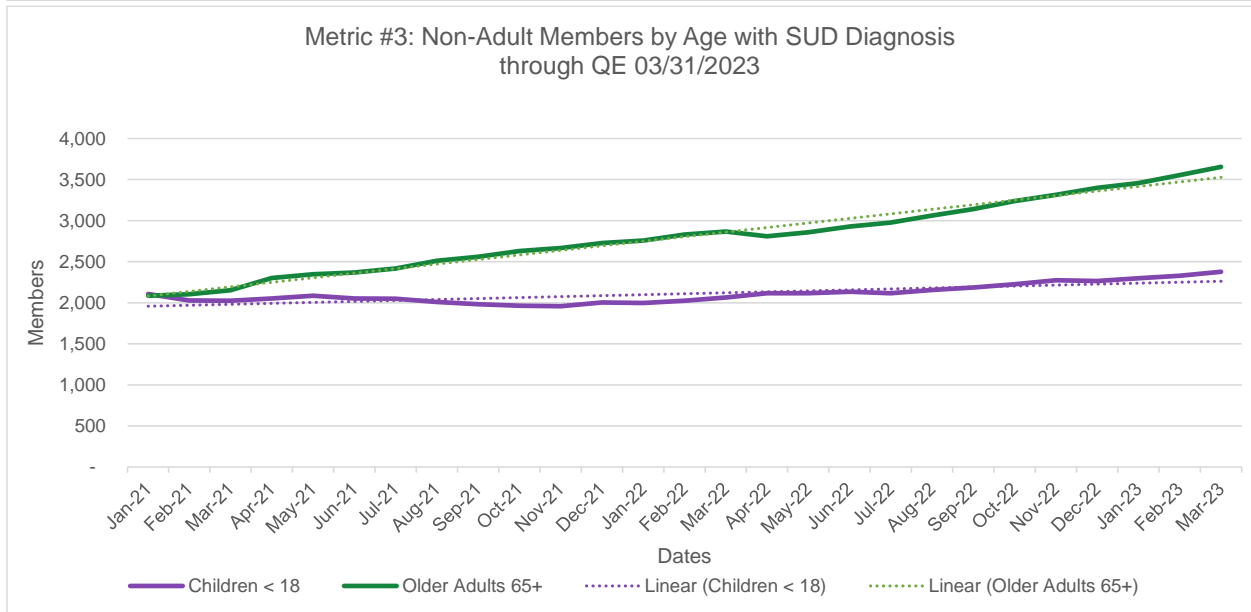
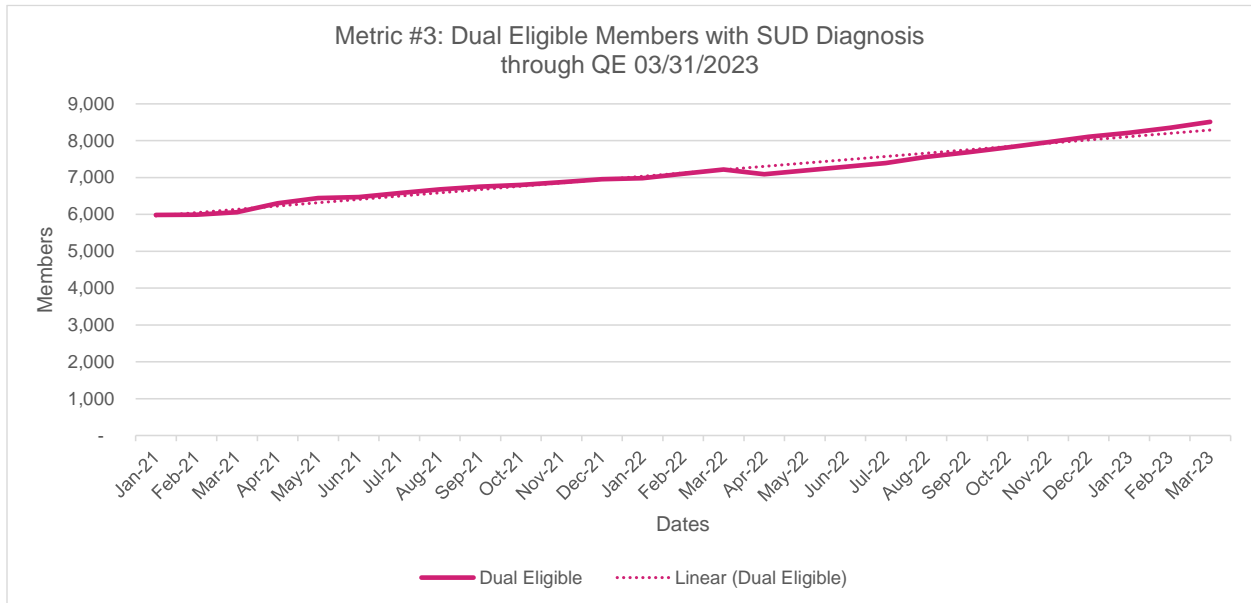


Appendix: Metric Graphs

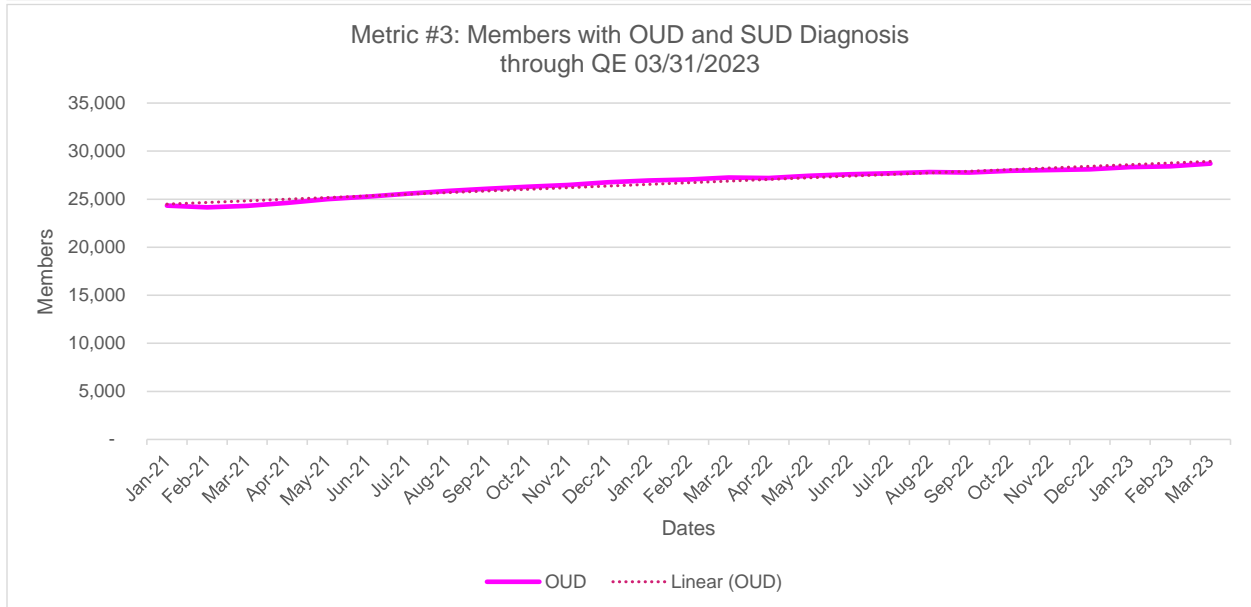
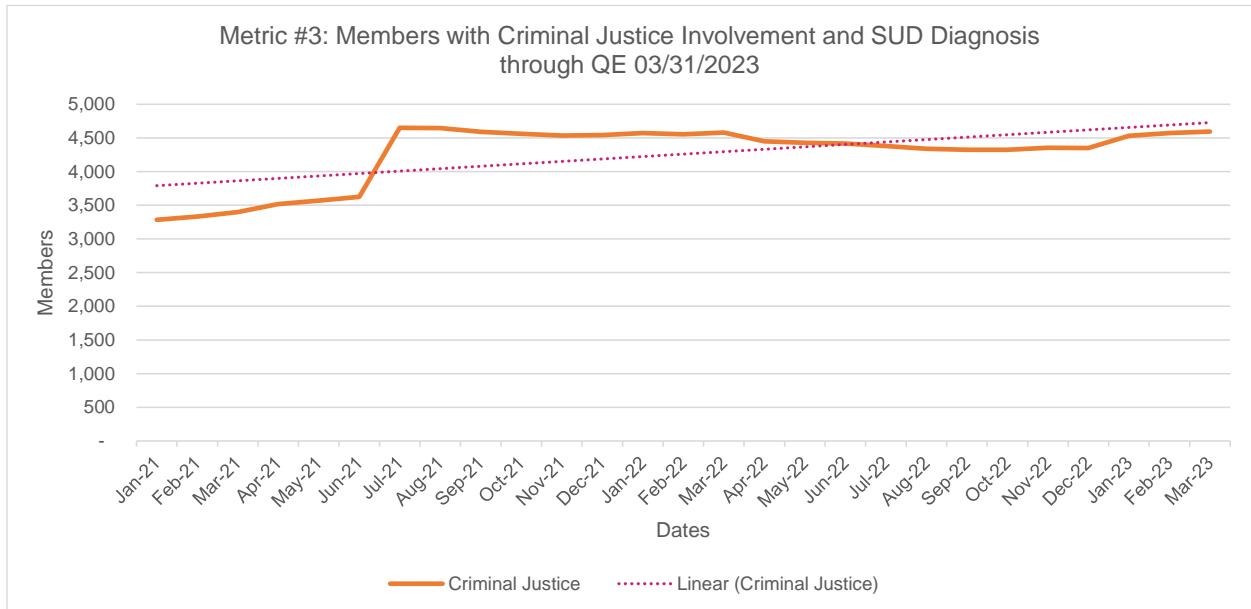
1. Assessment of need and qualification for SUD services



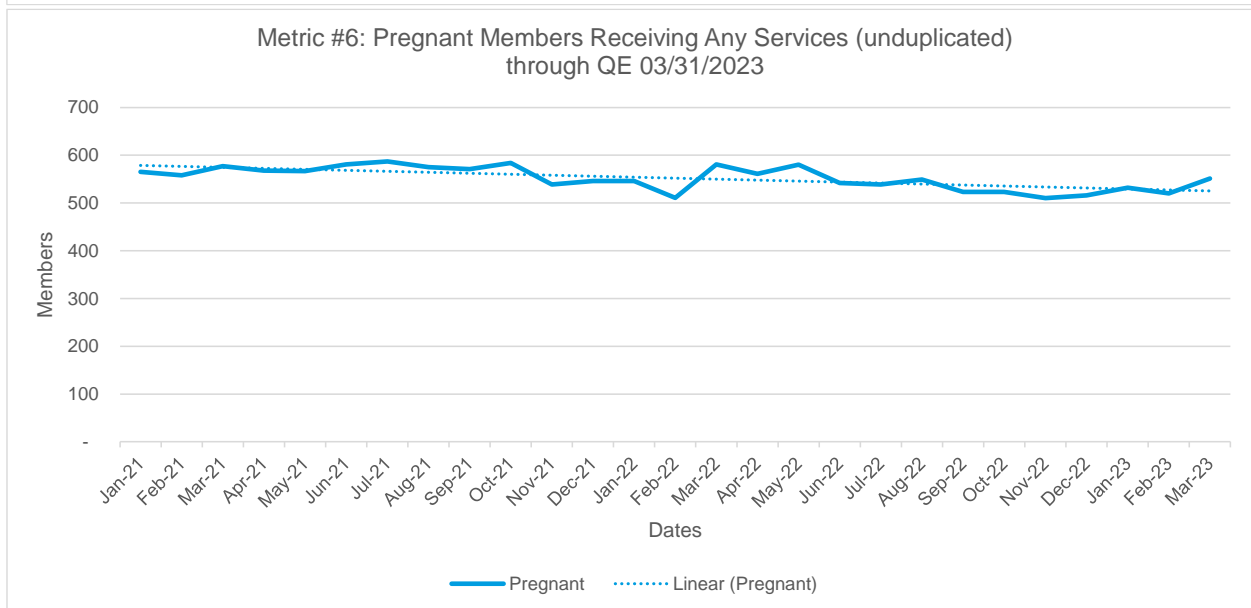
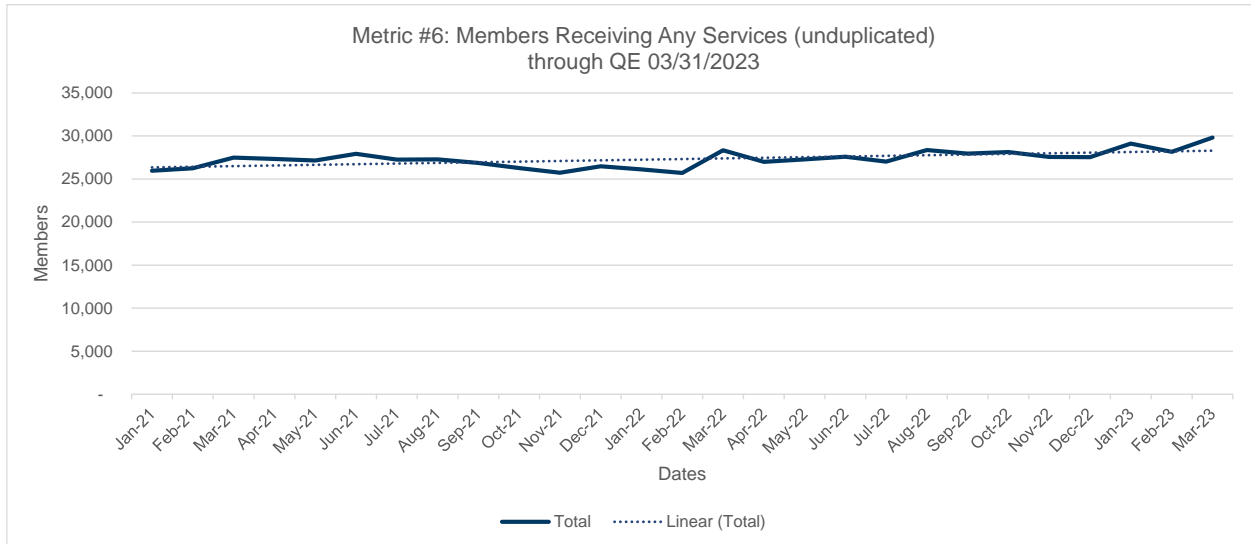
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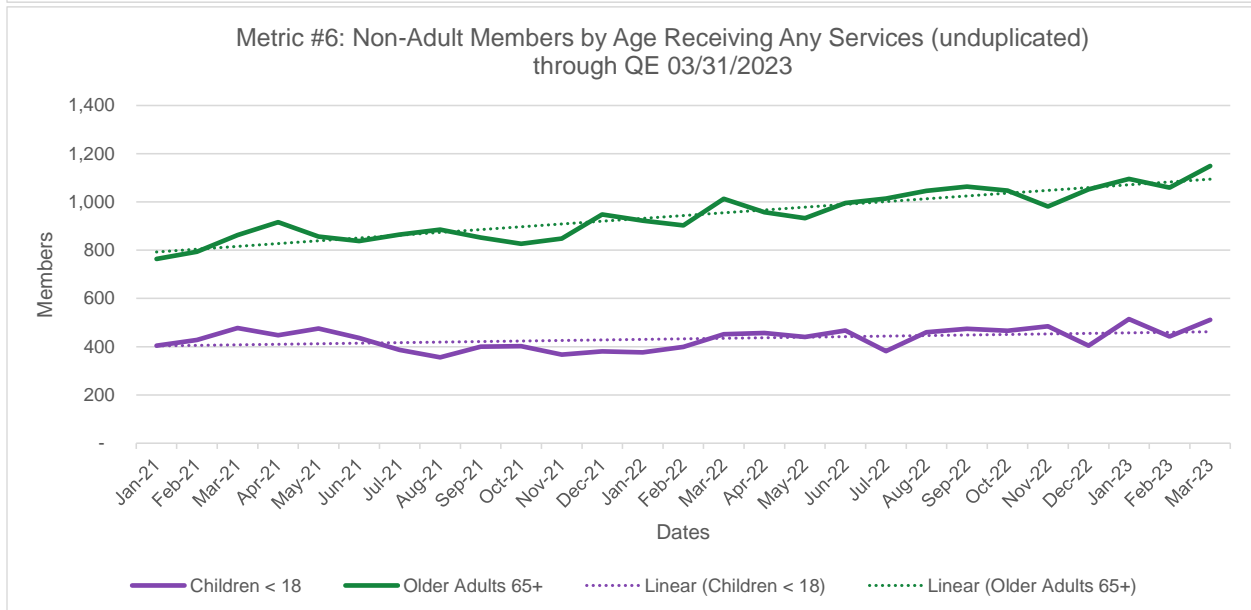
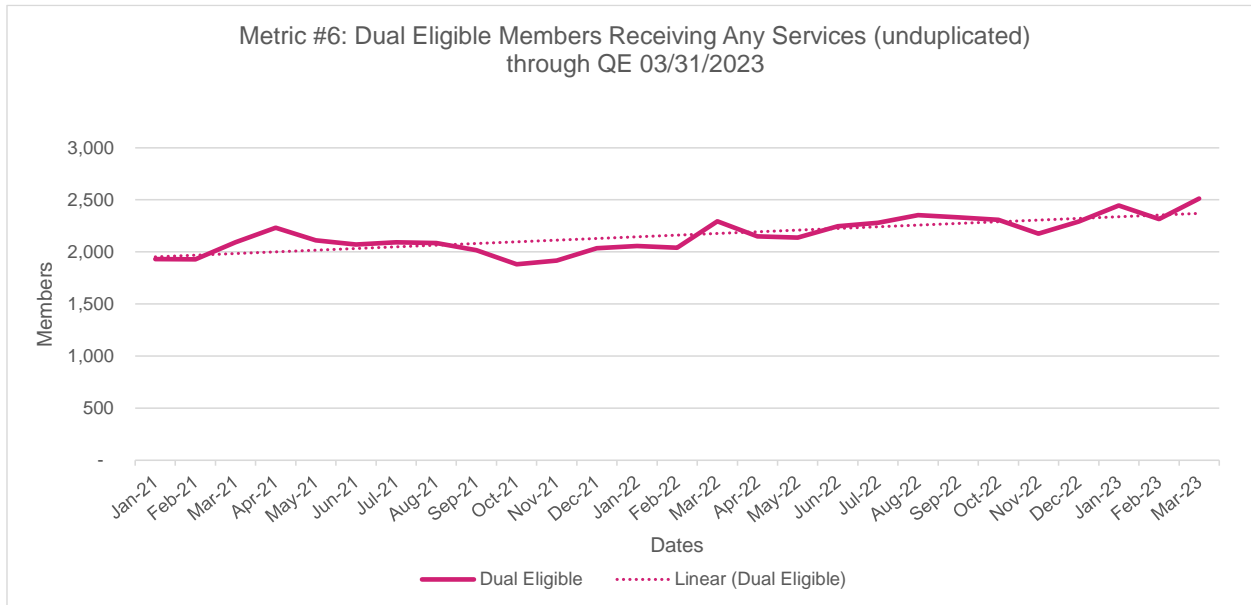
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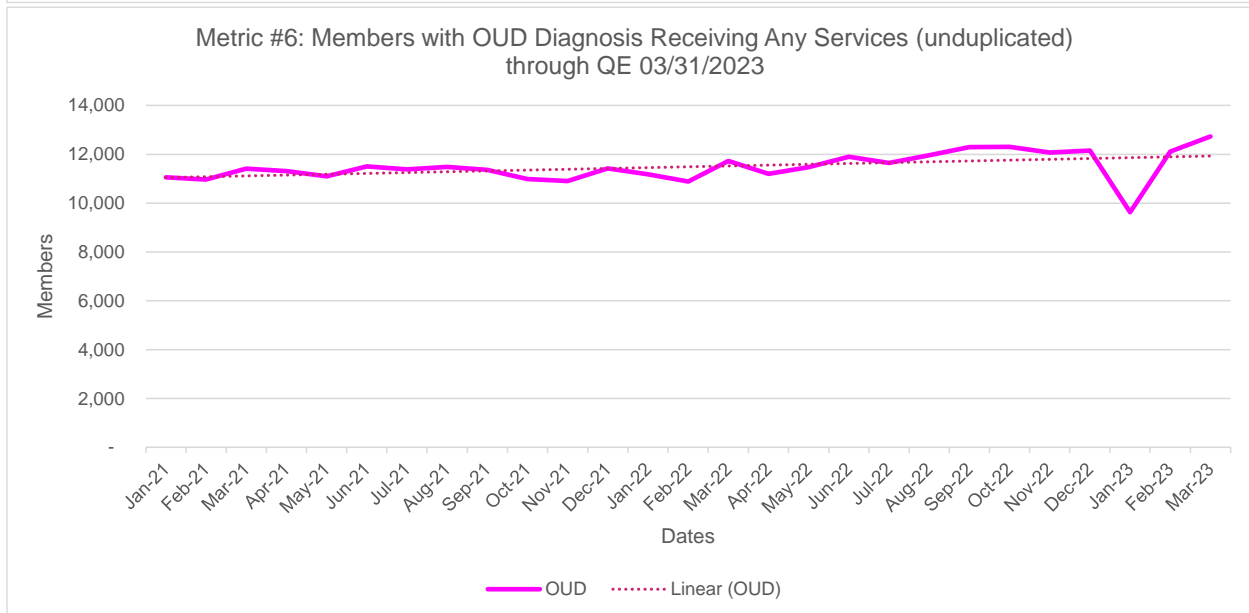
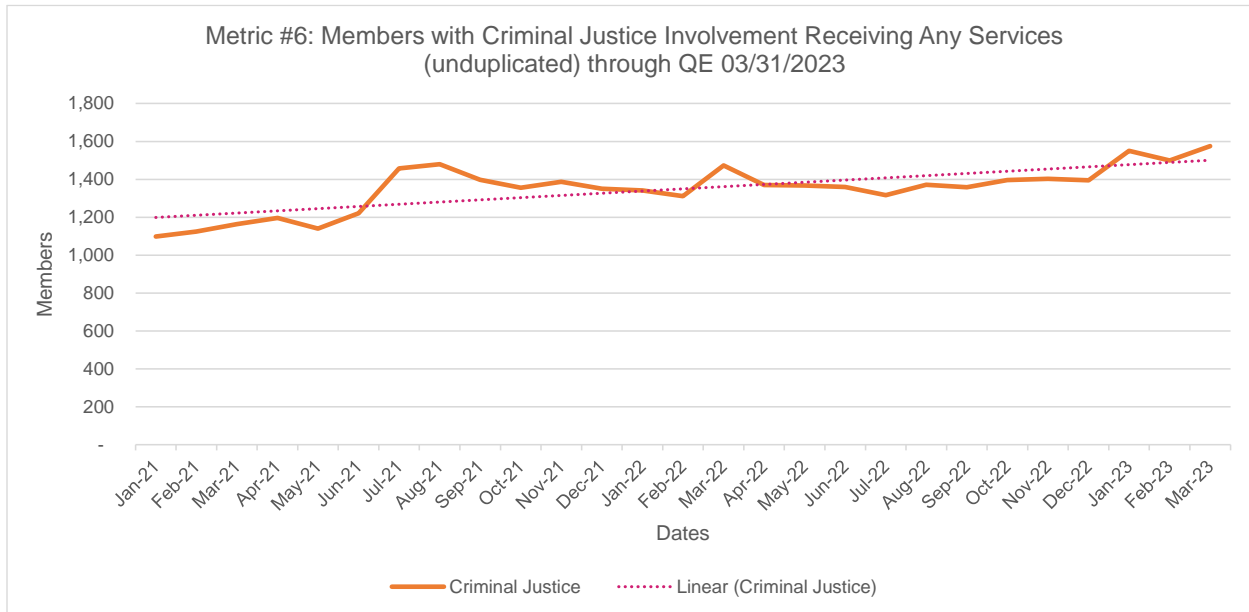
**2. Access to Critical Levels of Care for OUD and other SUDs (Milestone 1)**



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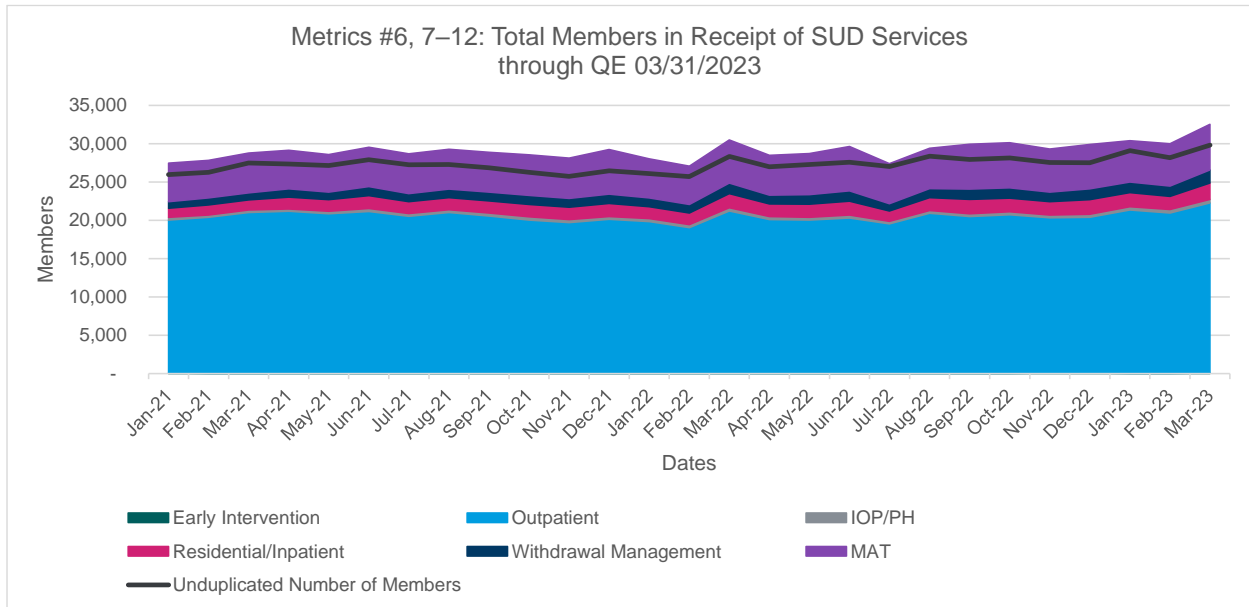


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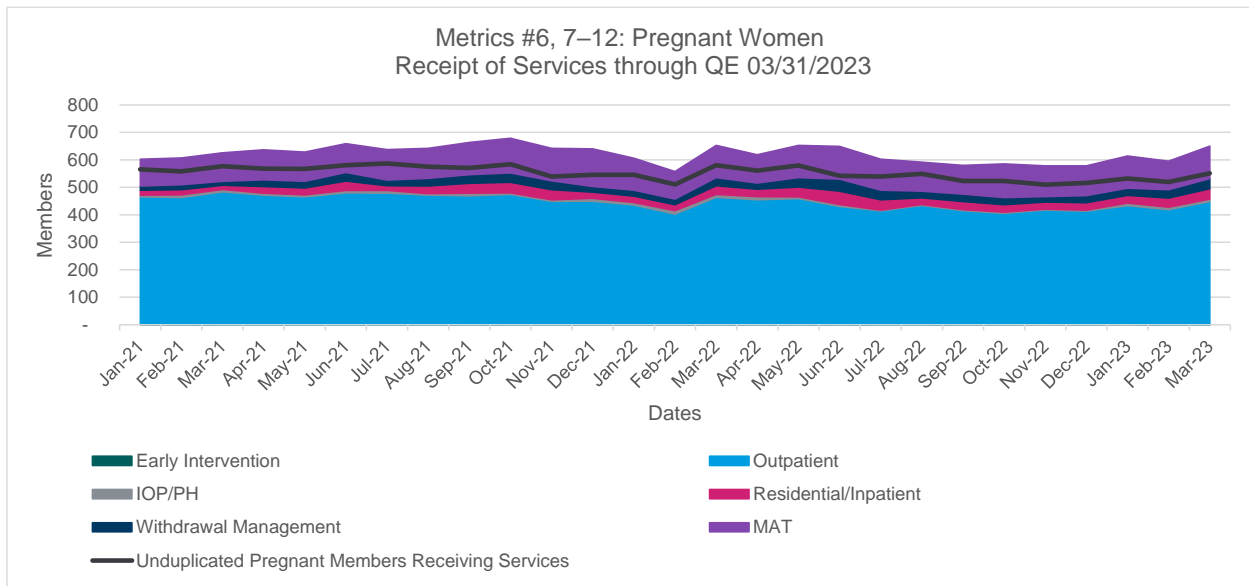


Total Members in receipt of SUD services DY1 (Metric #6 Unduplicated number is black line; Metrics #7-12 are in the stacked areas)

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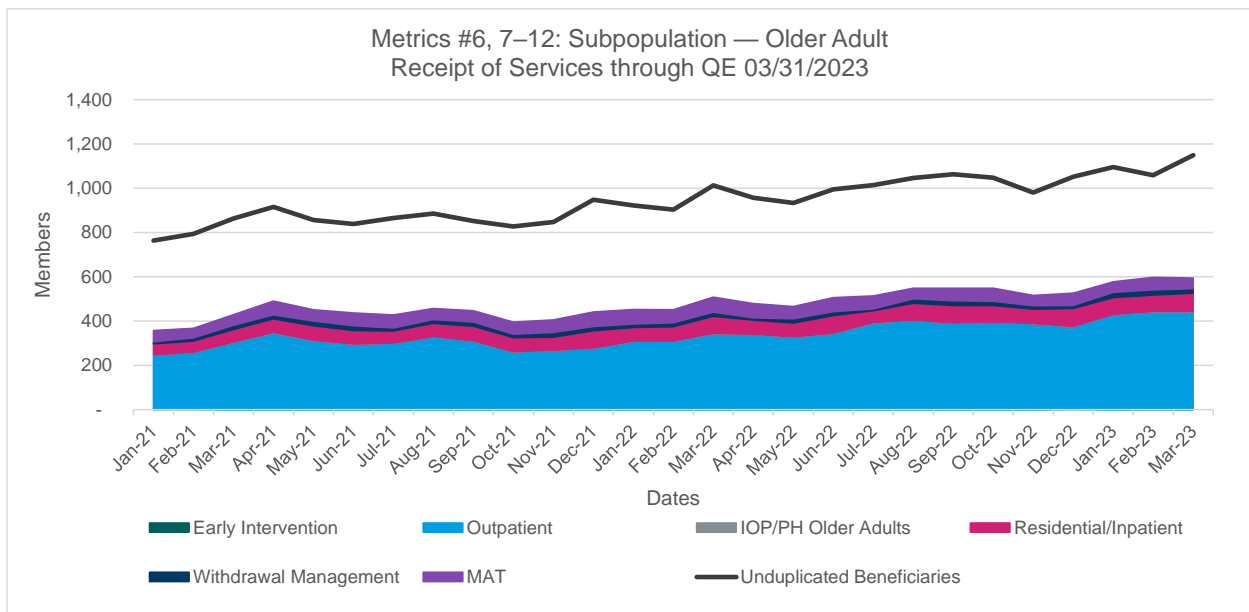
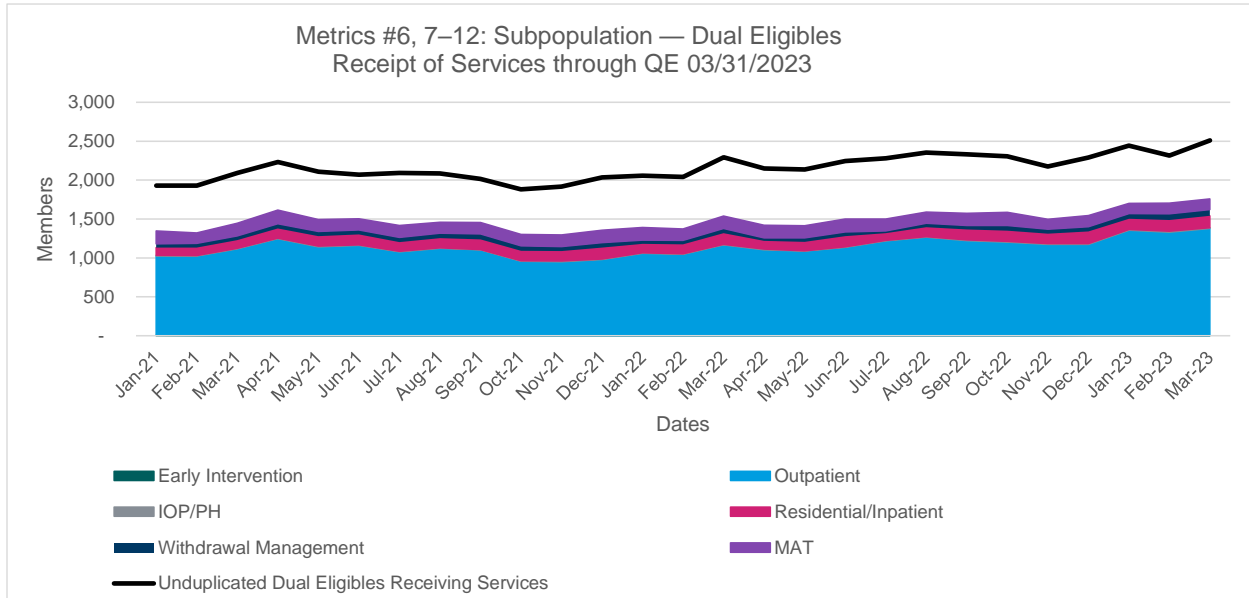
Total Members in receipt of SUD services DY1 (Metric #6 Unduplicated number is black line; Metrics #7-12 are in the stacked areas)



Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results in the unduplicated number of individuals receiving SUD services (Metric #6) exceeding the number of individuals receiving the total number of services as defined in Technical Specifications 5.0. CMS is aware of this nuance and is investigating whether to align specifications for Metrics #6 and #10. This metric programming nuance affects the subpopulations of Dual Eligibles, Older Adults, and Children. Because the number of inpatient and residential SUD services contributes to Metric #6 exceeding the sum of

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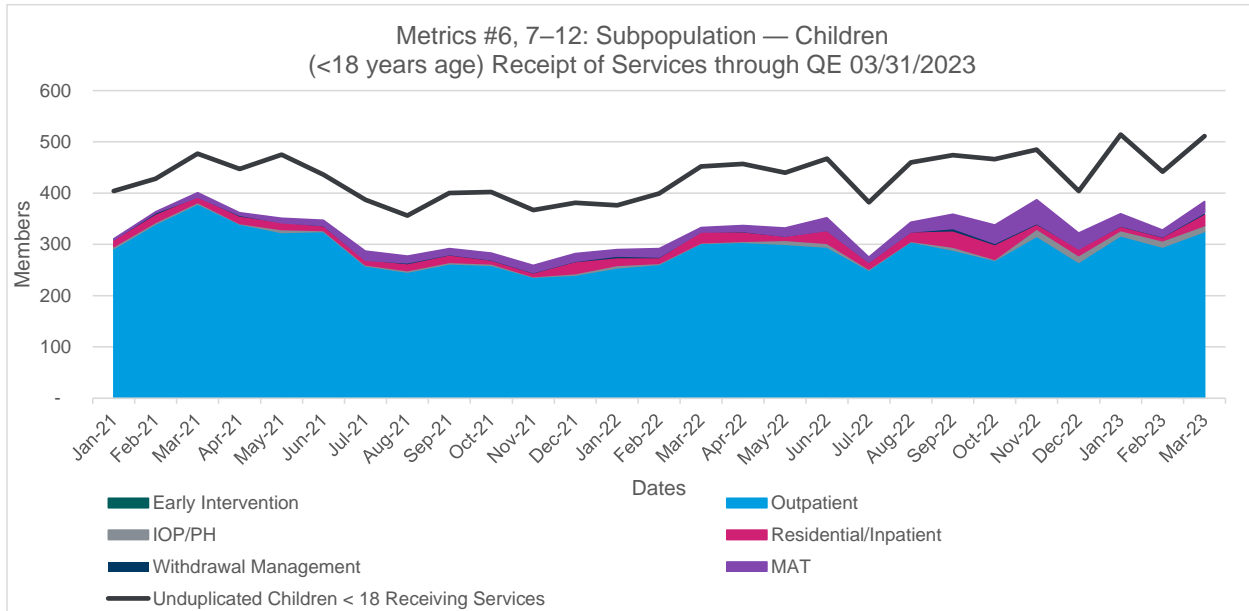
Metrics #7-12, it suggests that additional preventive, outpatient, and intensive outpatient care is needed to divert the acute levels of care.



*Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results in the unduplicated number of individuals receiving SUD services (Metric #6) exceeding the number of individuals receiving the total number of services as defined in Technical Specifications 5.0. CMS is aware of this nuance and is investigating whether to align specifications for Metrics #6 and #10. This metric programming nuance affects the subpopulations of Dual Eligibles, Older Adults, and Children. Because*

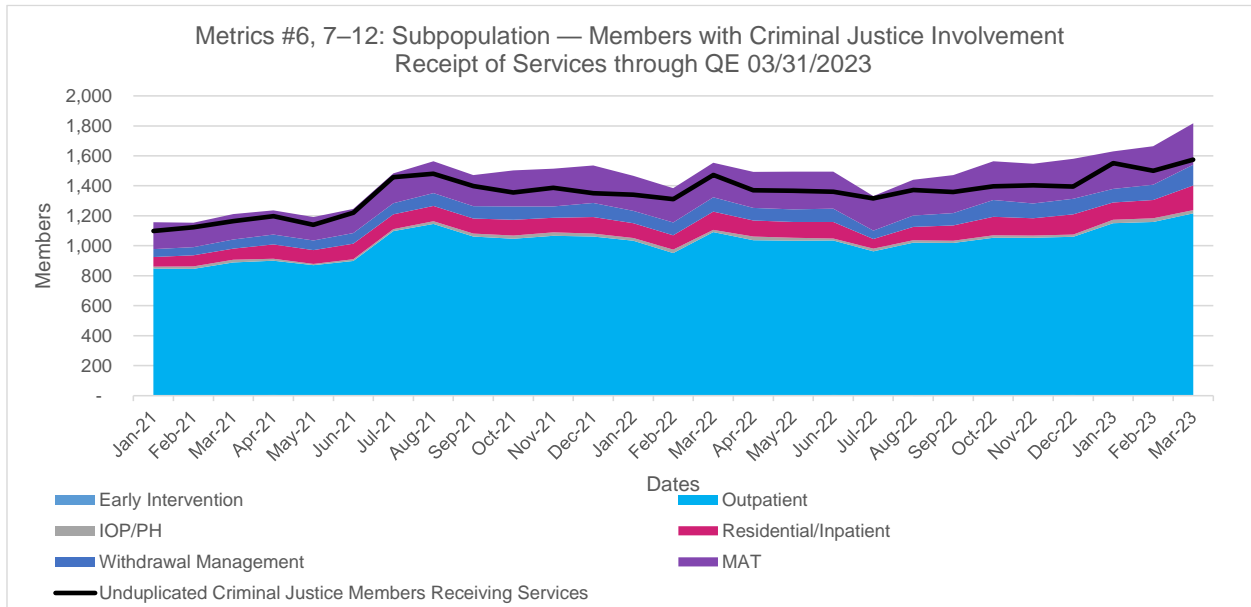


*the number of inpatient and residential SUD services contributes to Metric #6 exceeding the sum of Metrics #7-12, it suggests that additional preventive, outpatient, and intensive outpatient care is needed to divert the acute levels of care.*

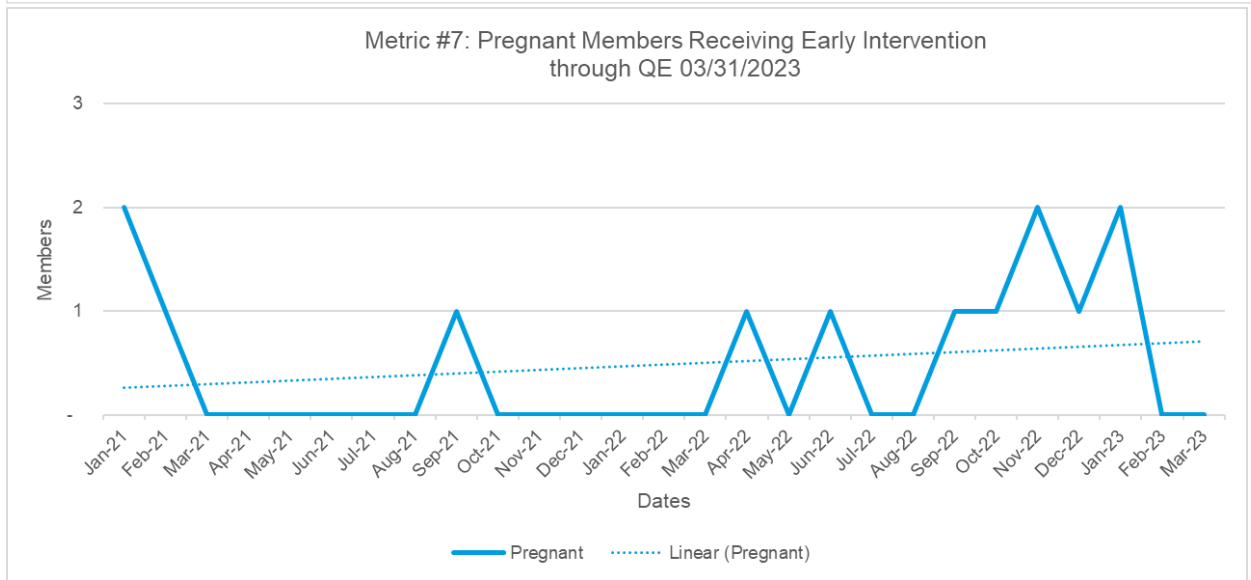
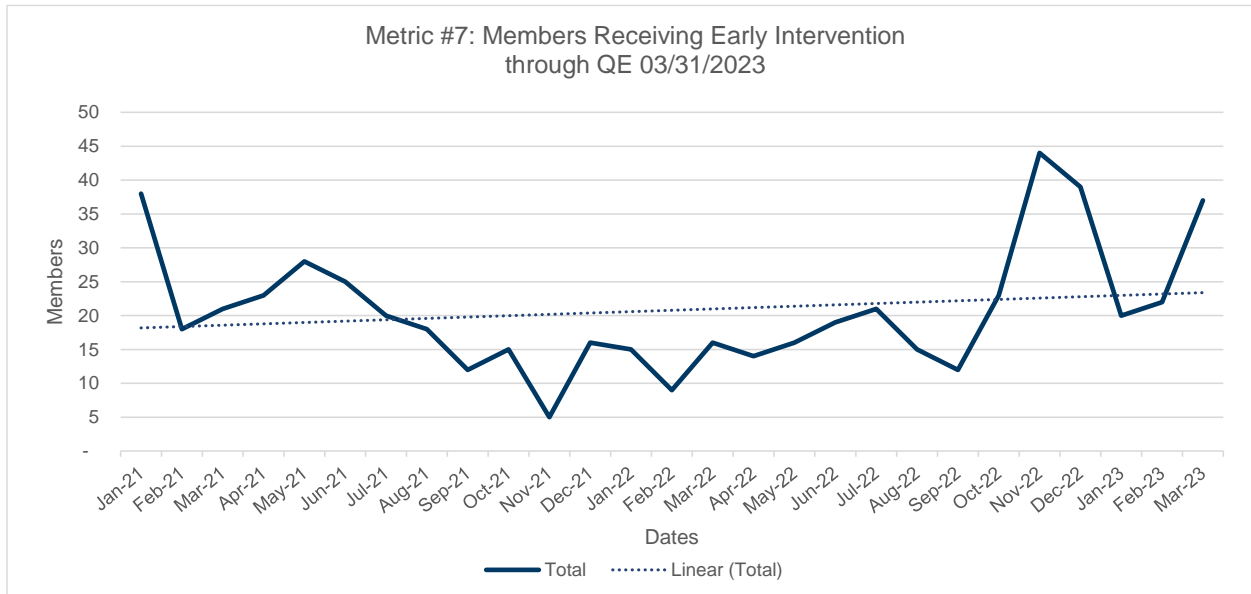


*Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results in the unduplicated number of individuals receiving SUD services (Metric #6) exceeding the number of individuals receiving the total number of services as defined in Technical Specifications 5.0. CMS is aware of this nuance and is investigating whether to align specifications for Metrics #6 and #10. This metric programming nuance affects the subpopulations of Dual Eligibles, Older Adults, and Children. Because the number of inpatient and residential SUD services contributes to Metric #6 exceeding the sum of Metrics #7-12, it suggests that additional preventive, outpatient, and intensive outpatient care is needed to divert the acute levels of care.*

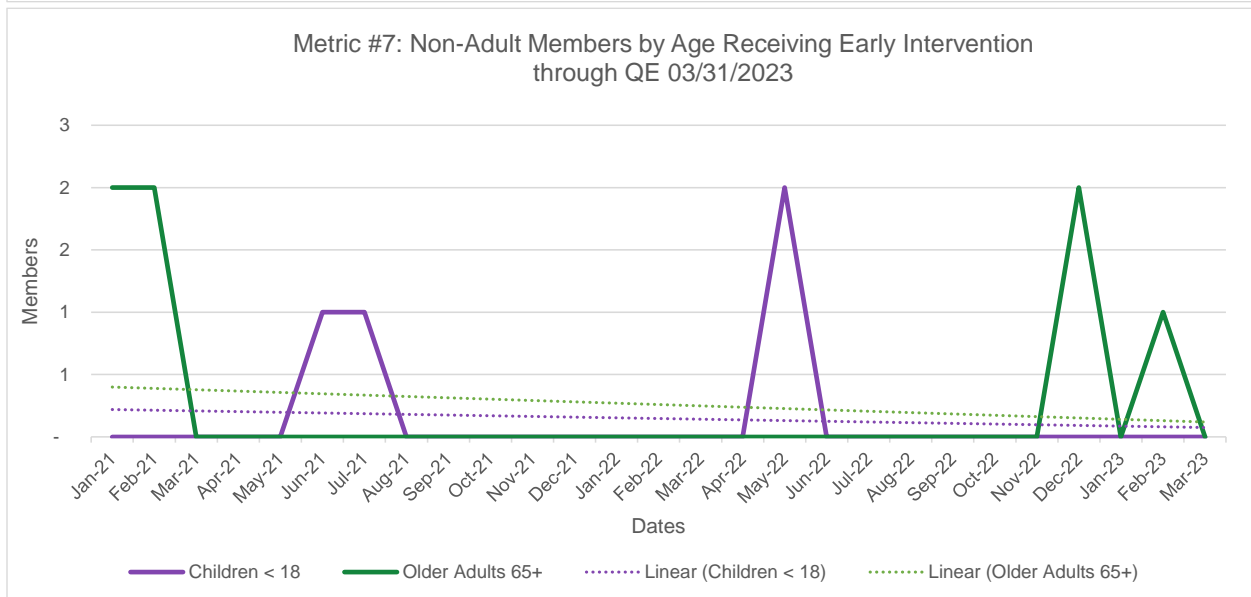
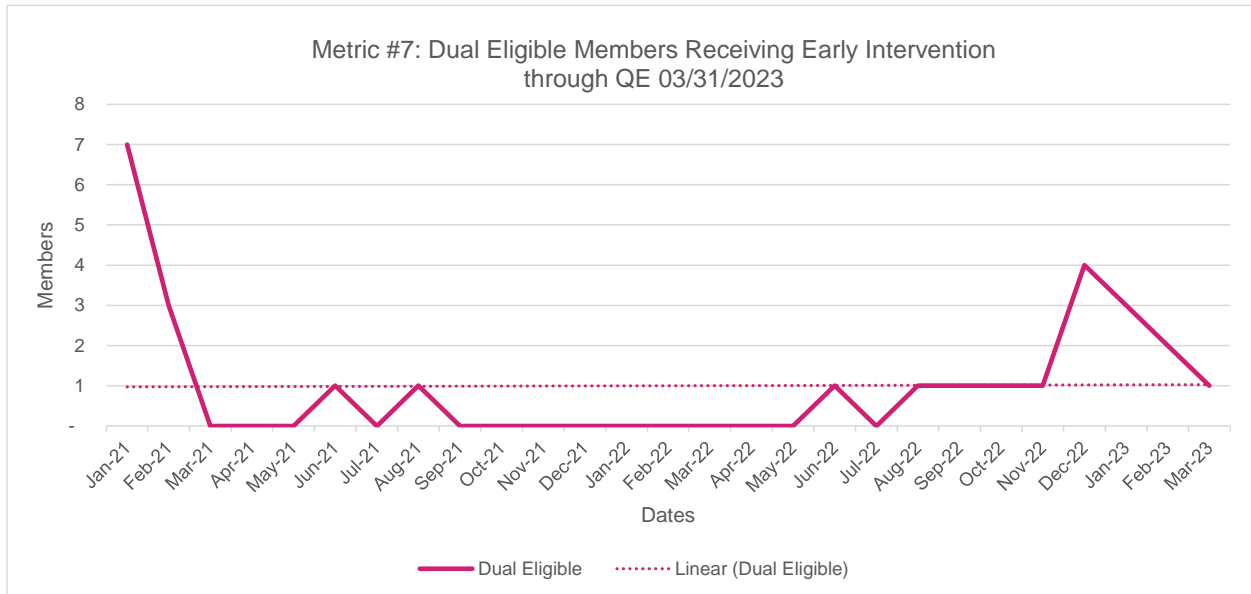
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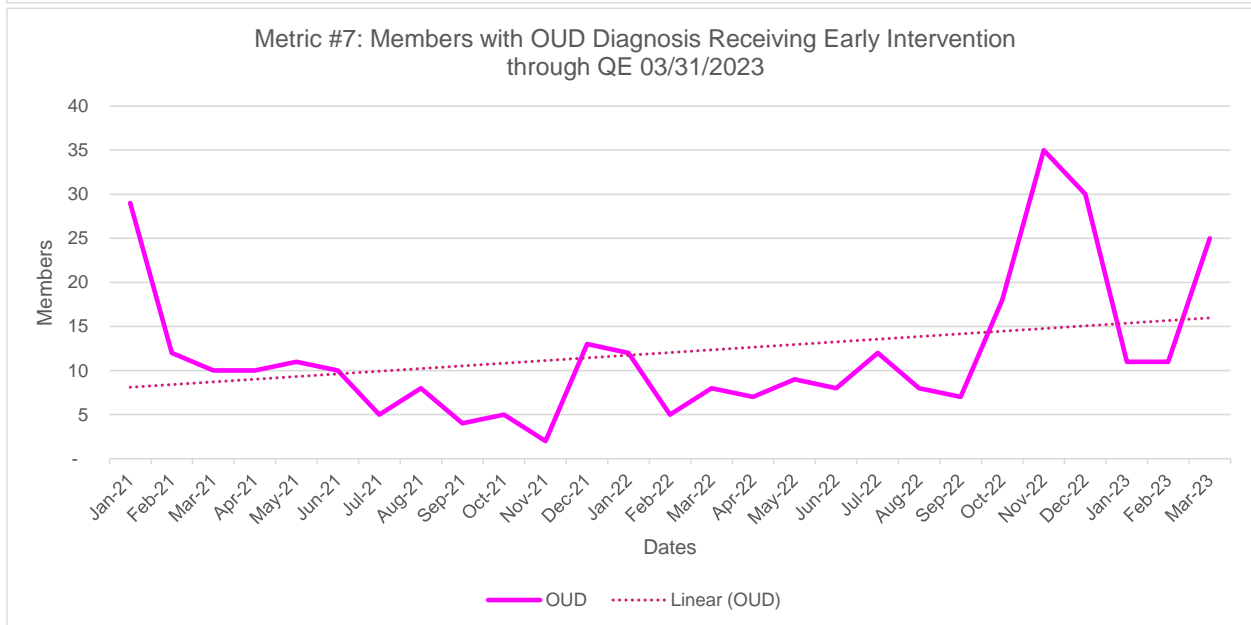
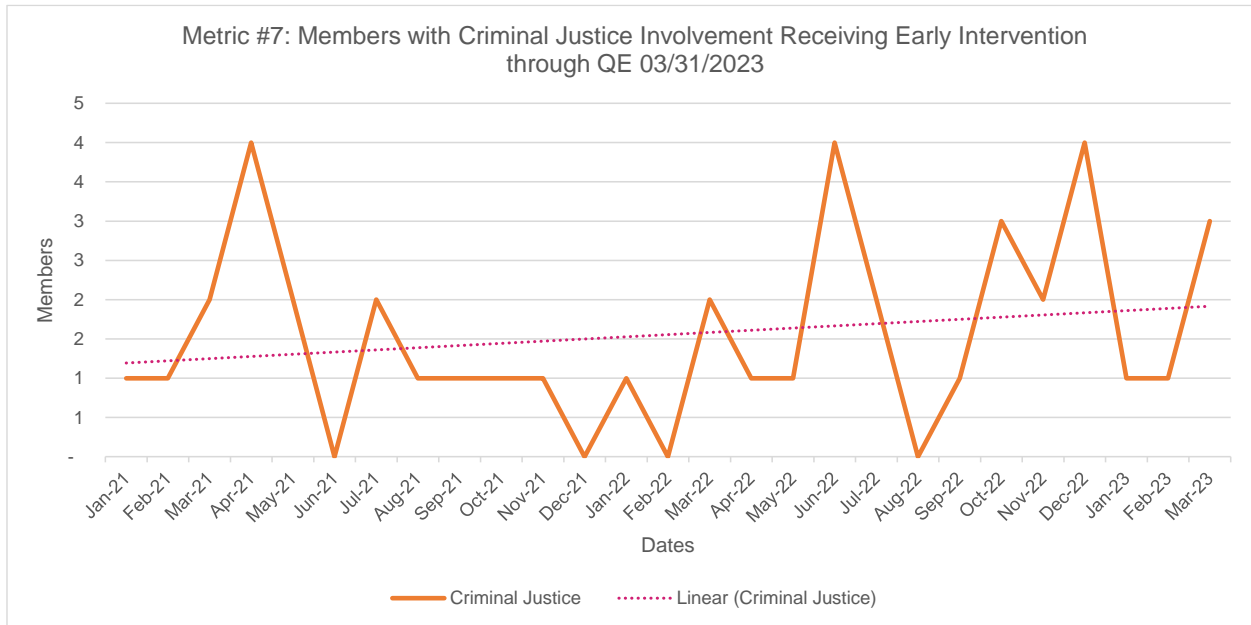
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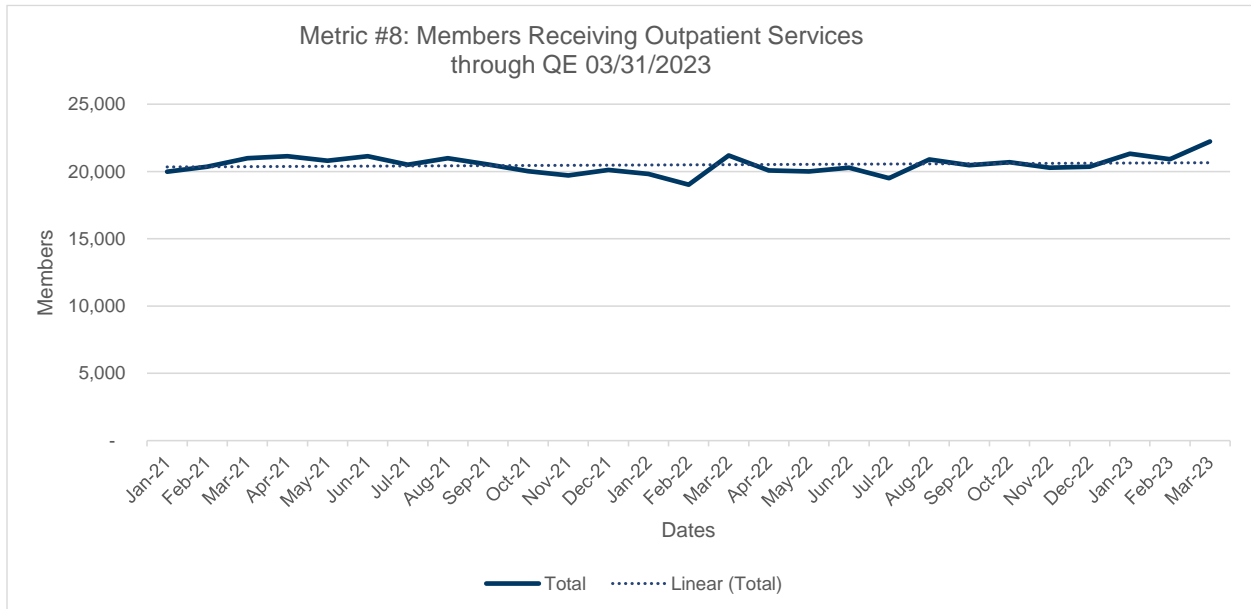
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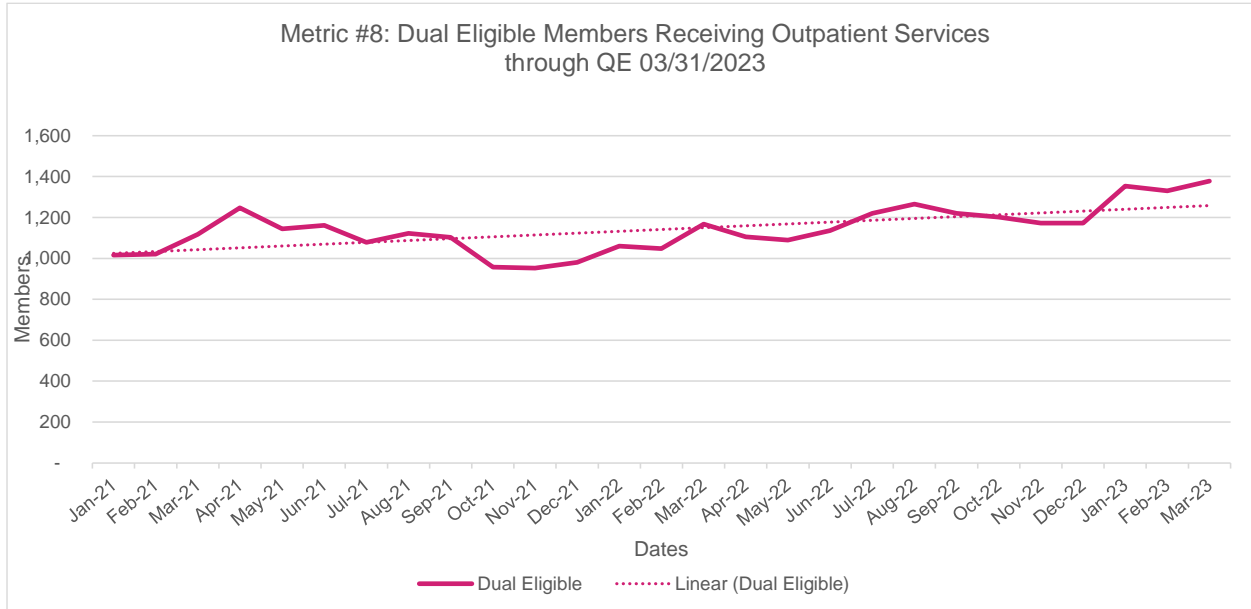
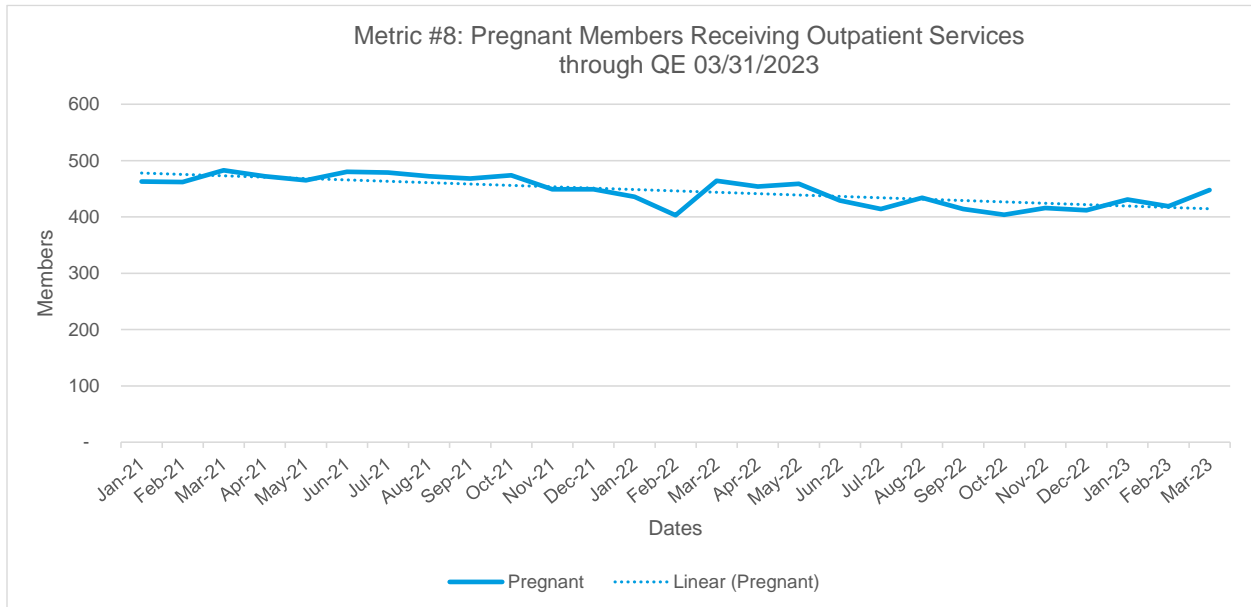
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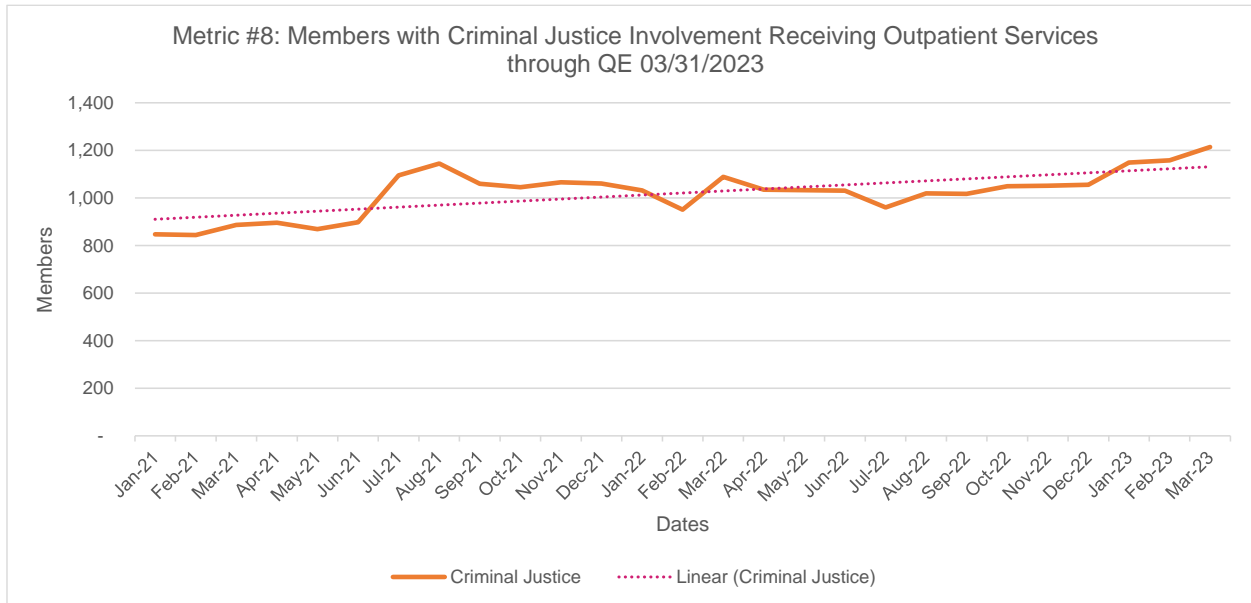
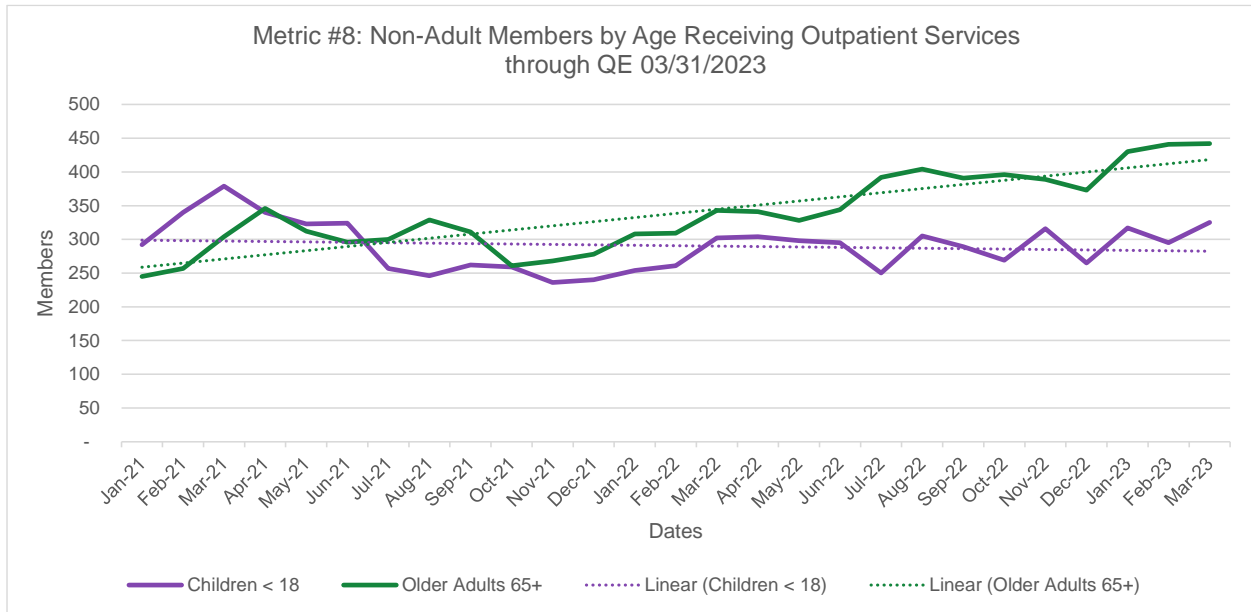
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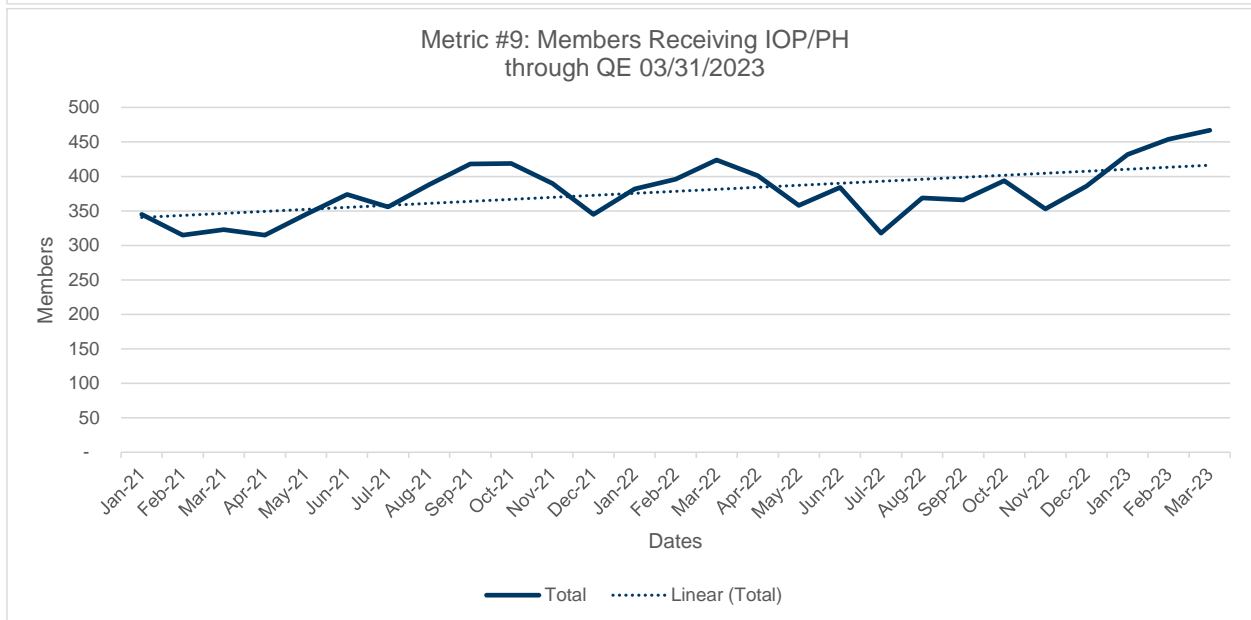
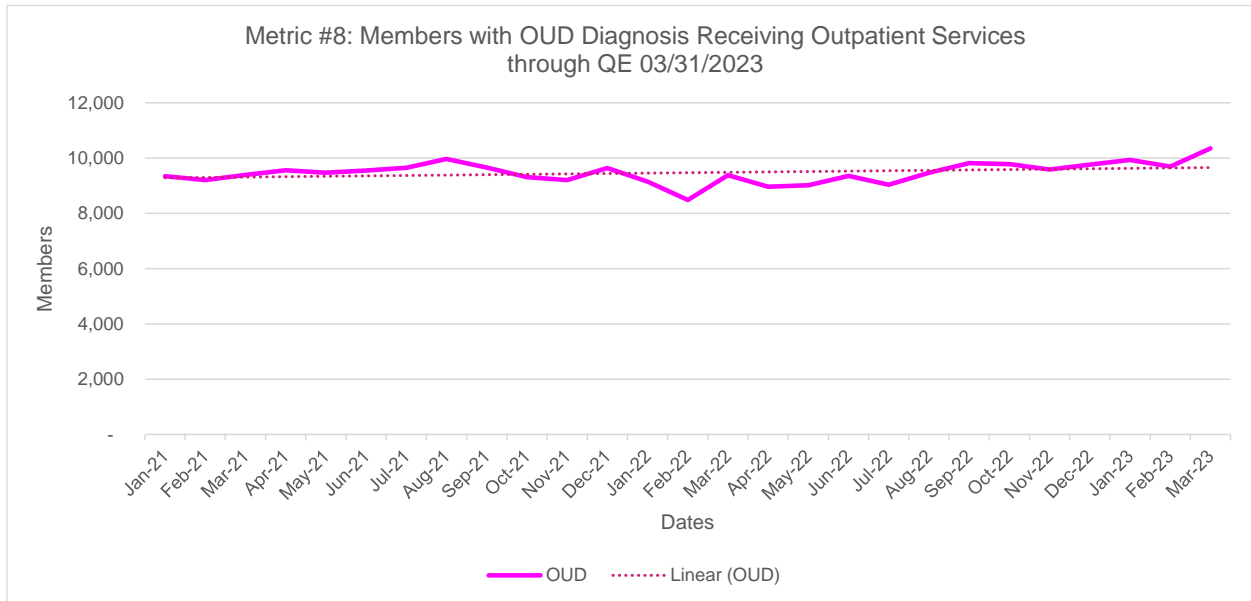


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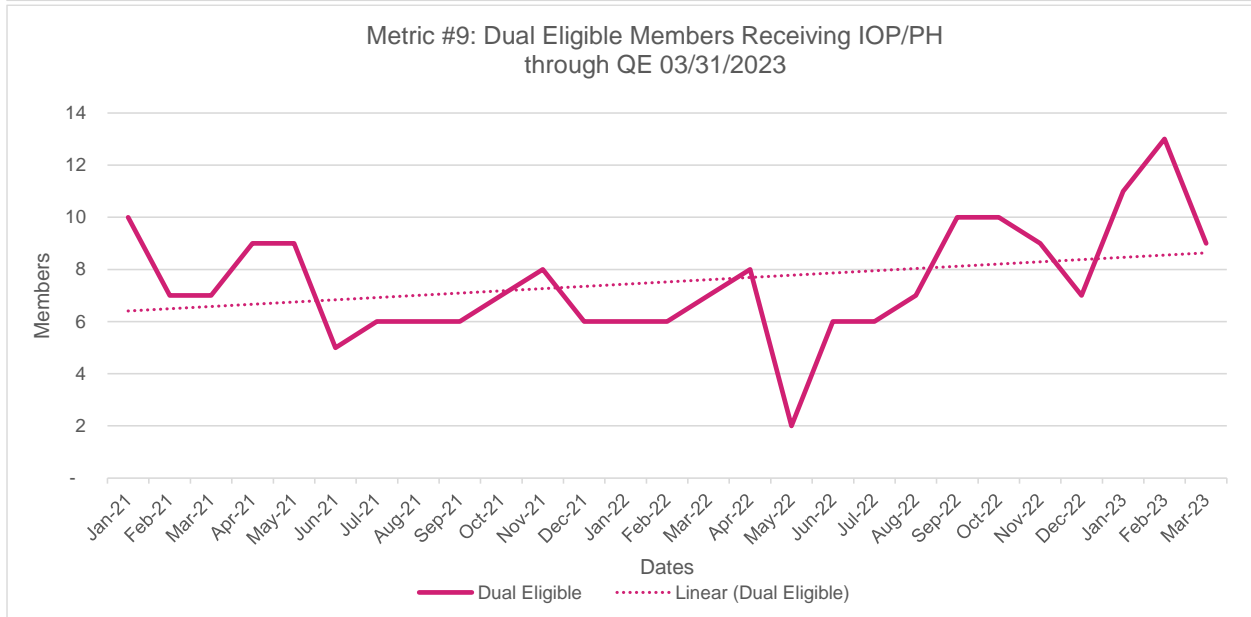
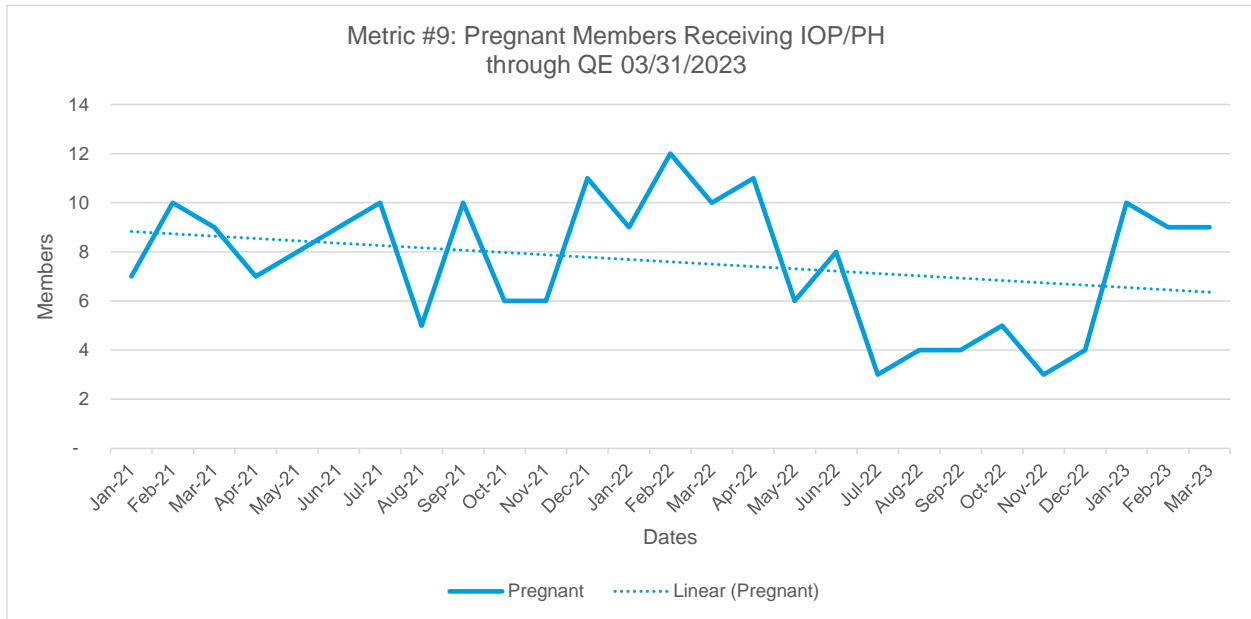




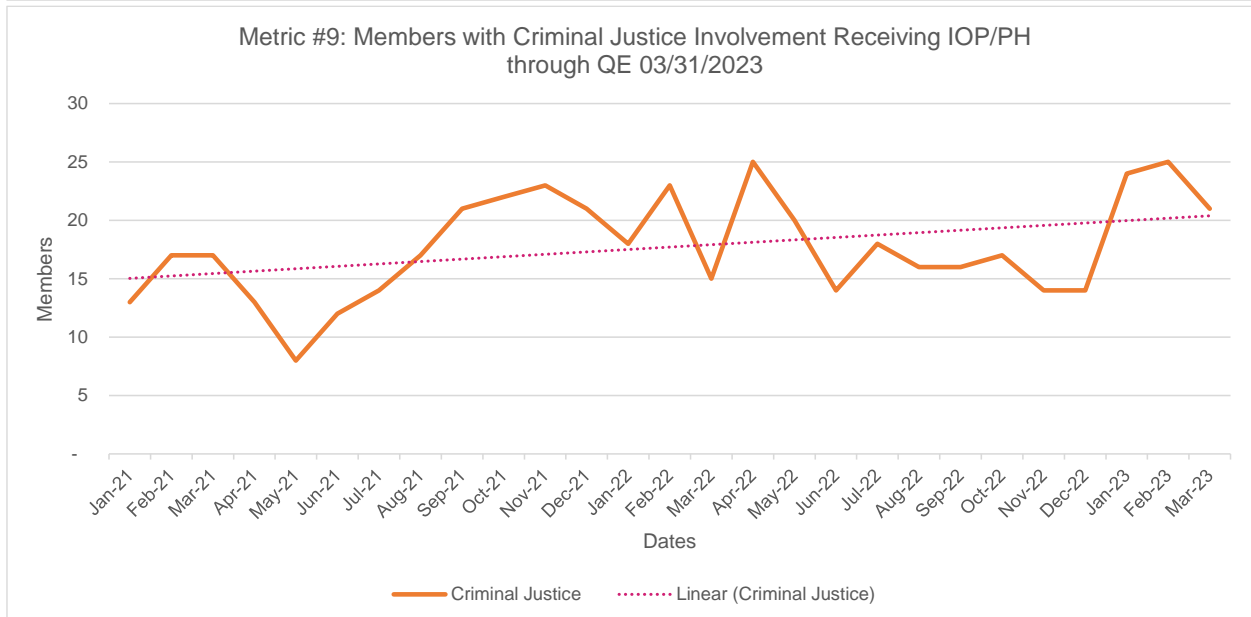
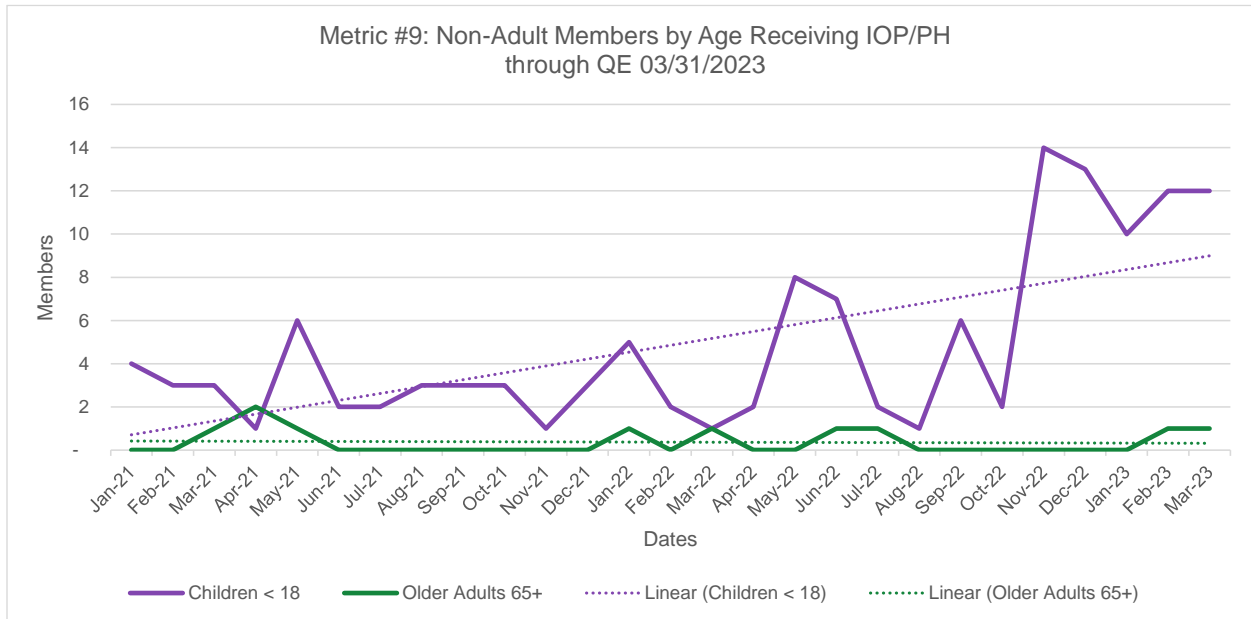
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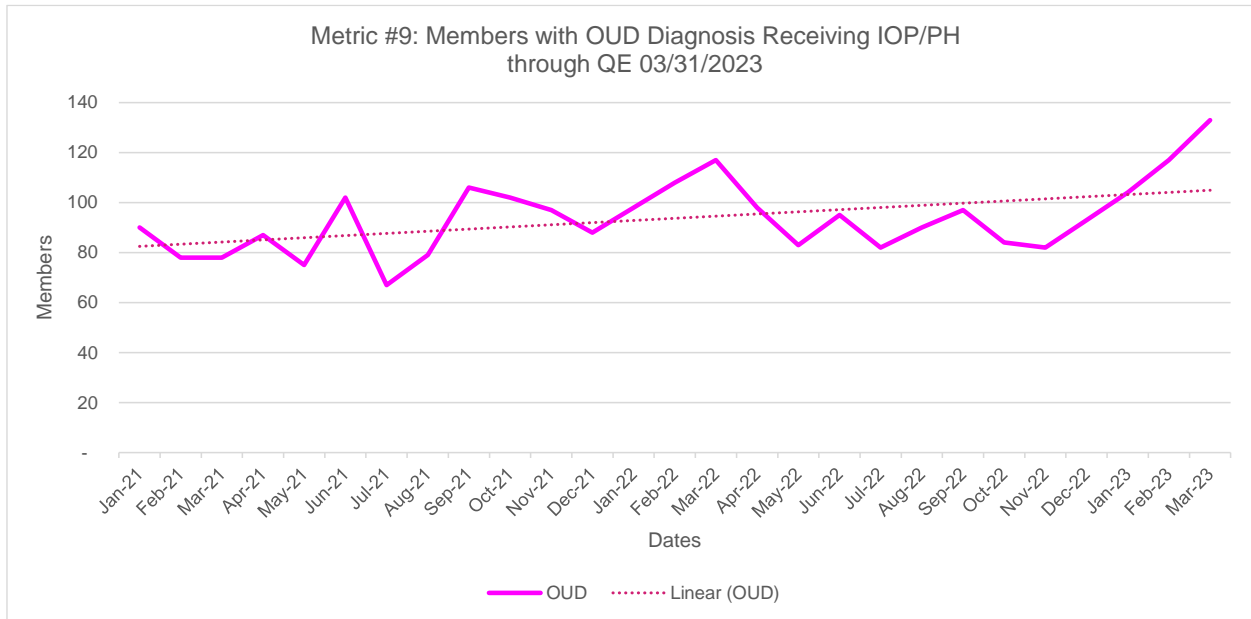
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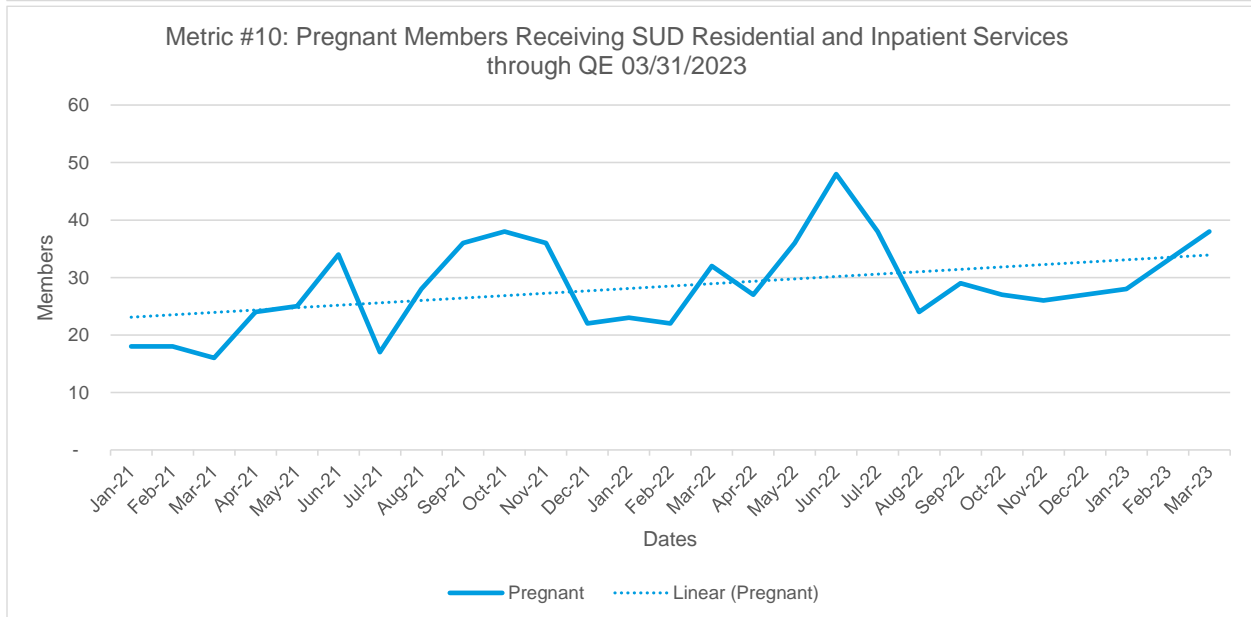
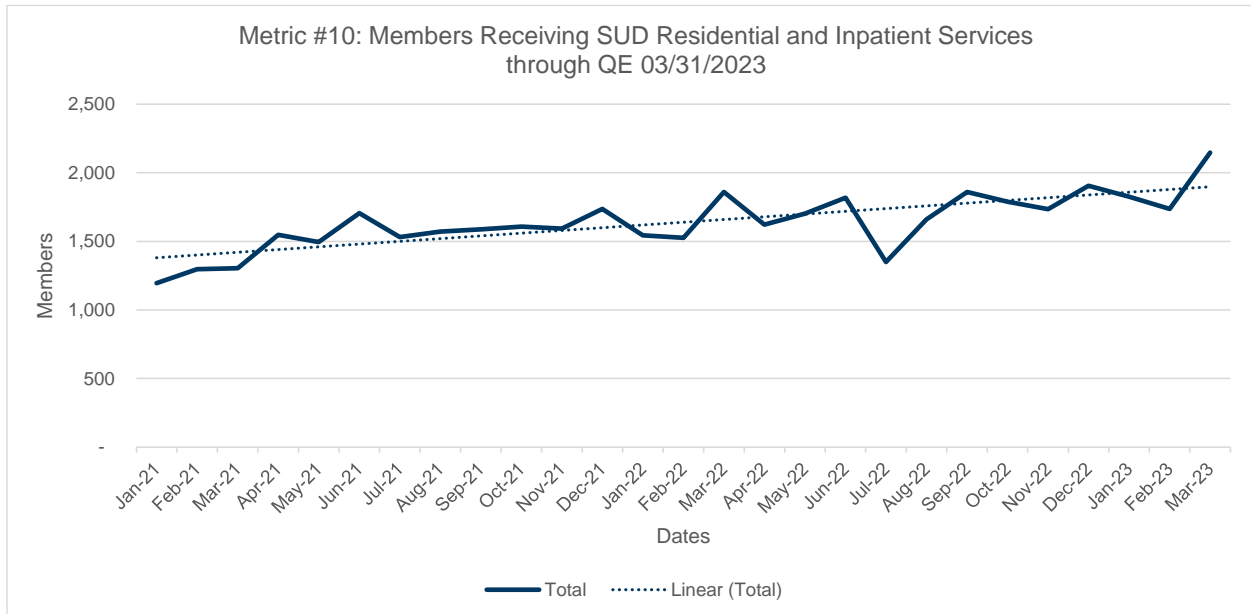
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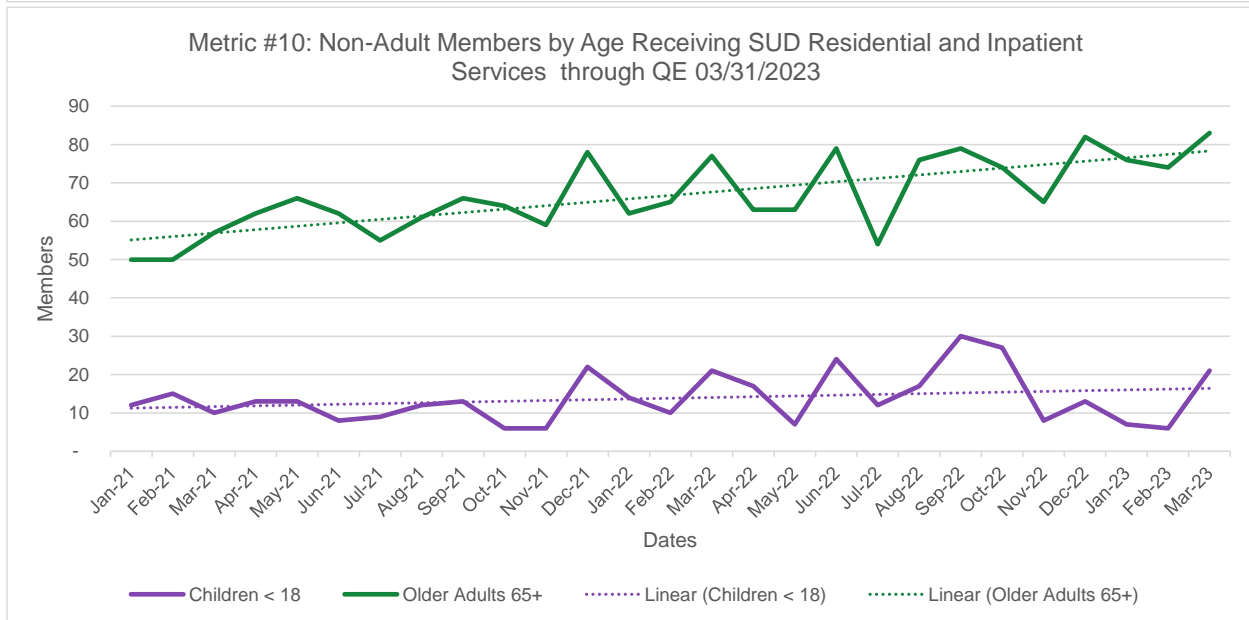
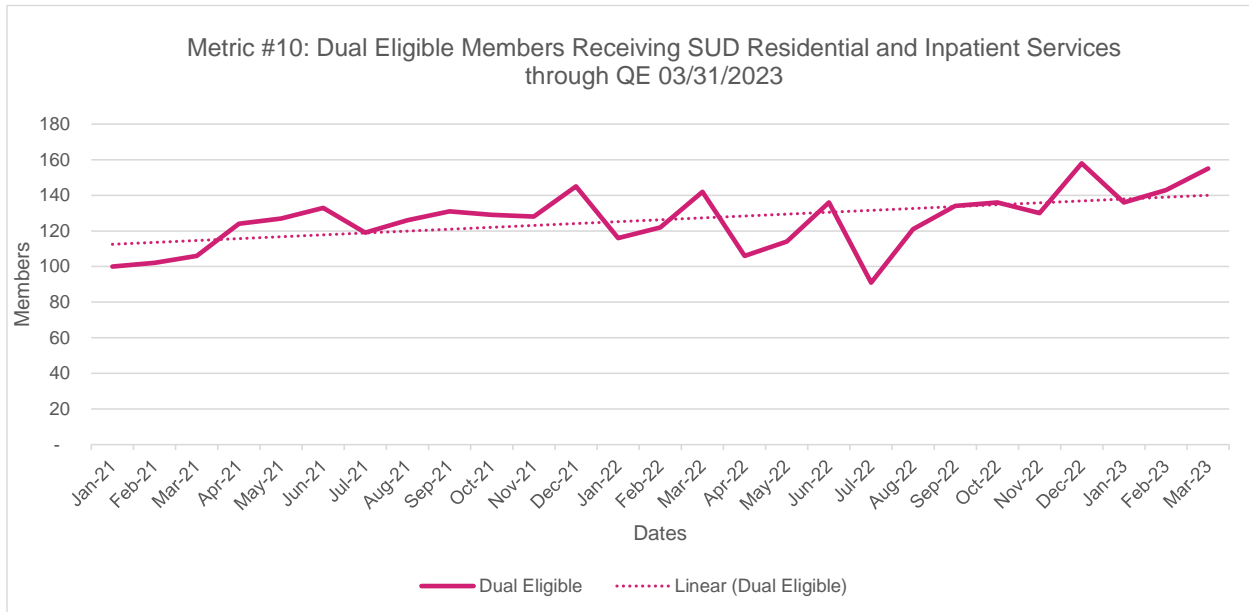
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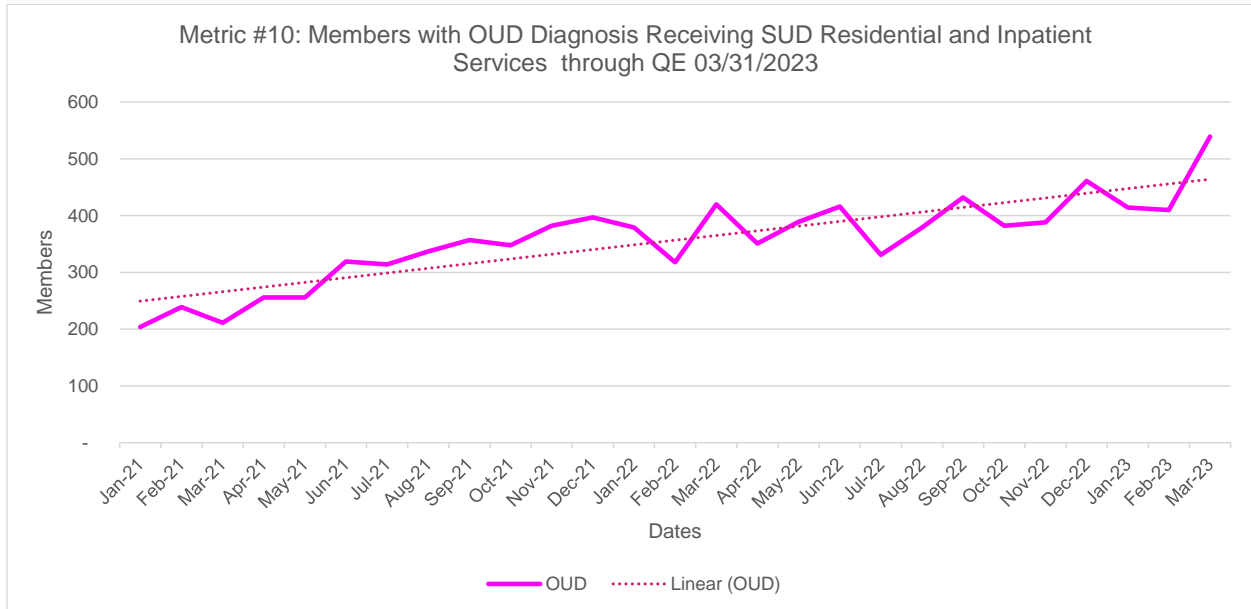
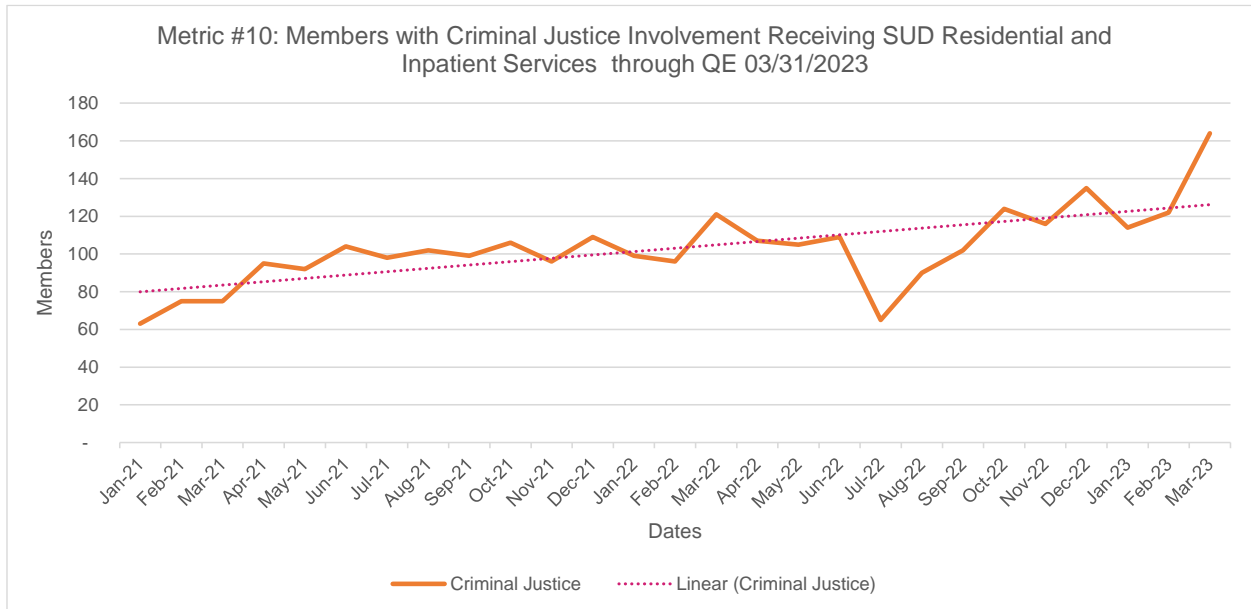
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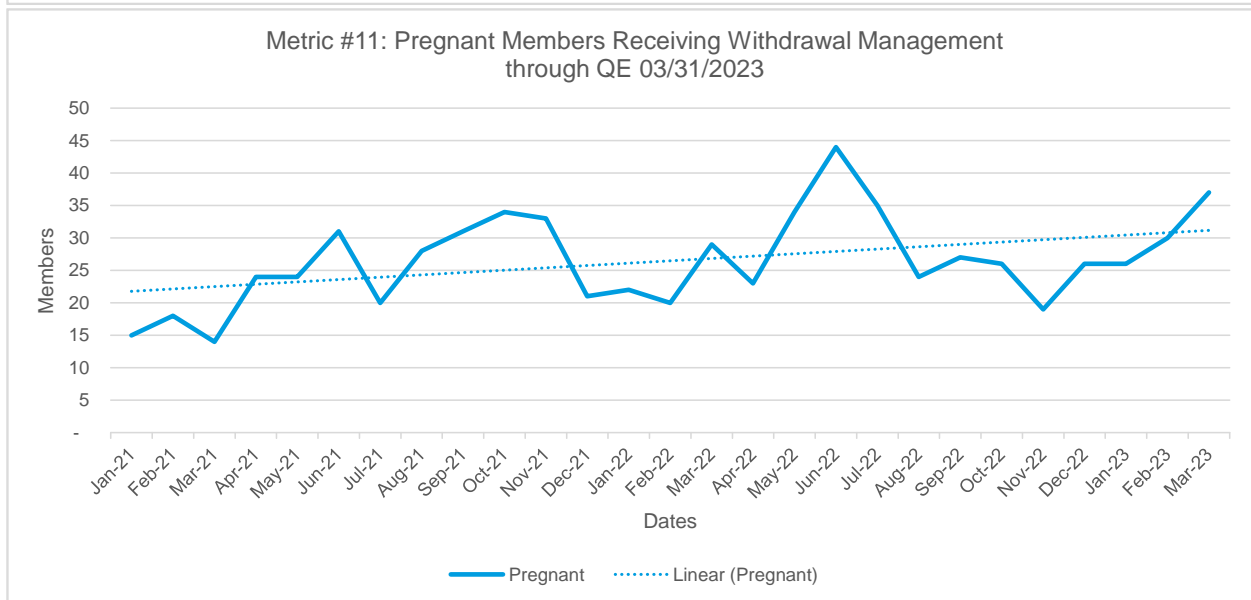
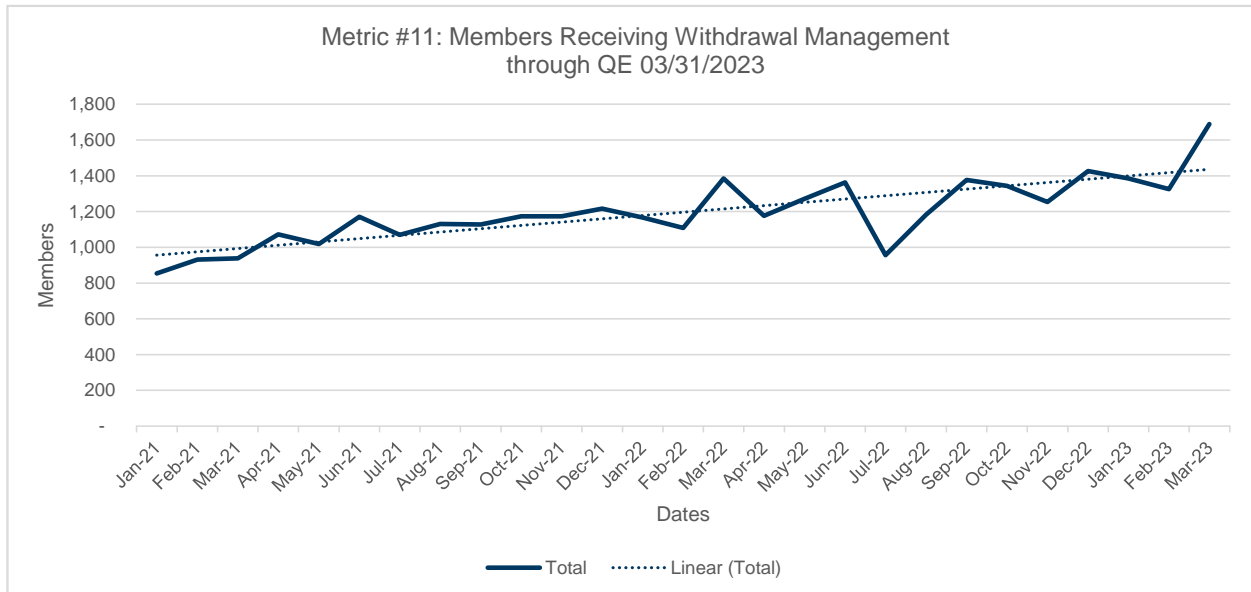
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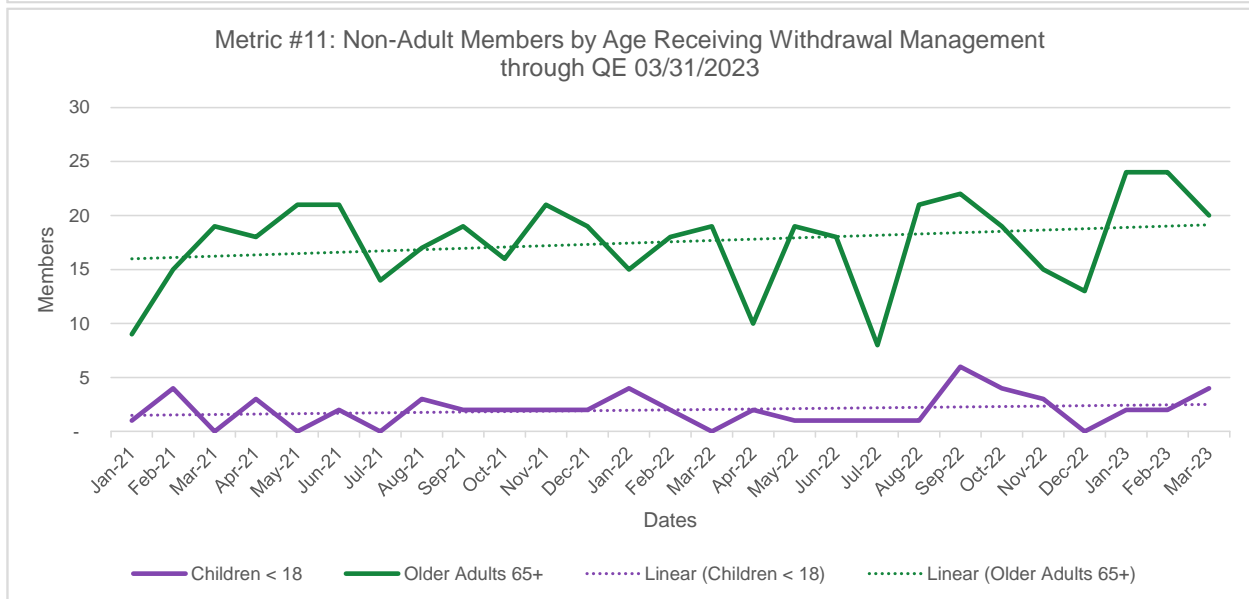
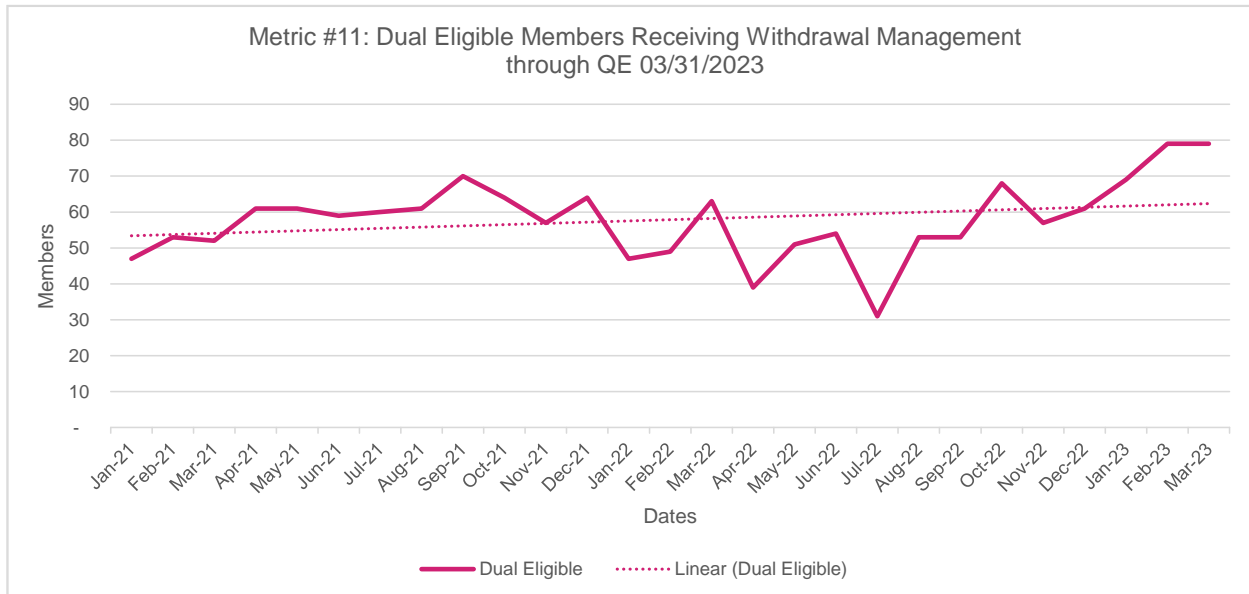


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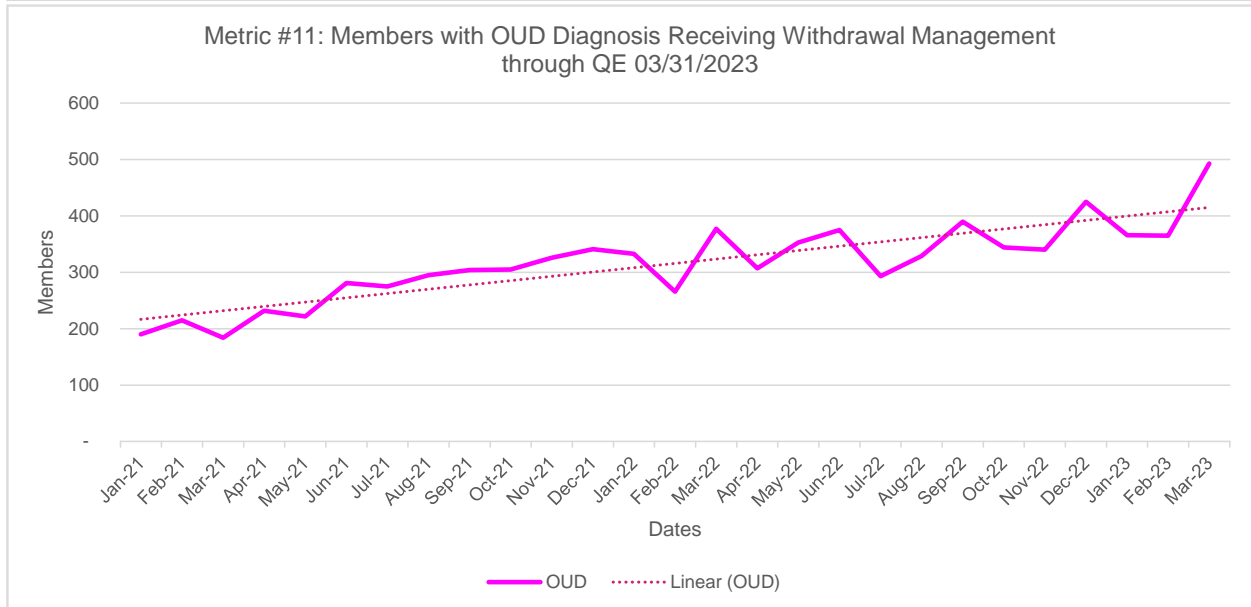
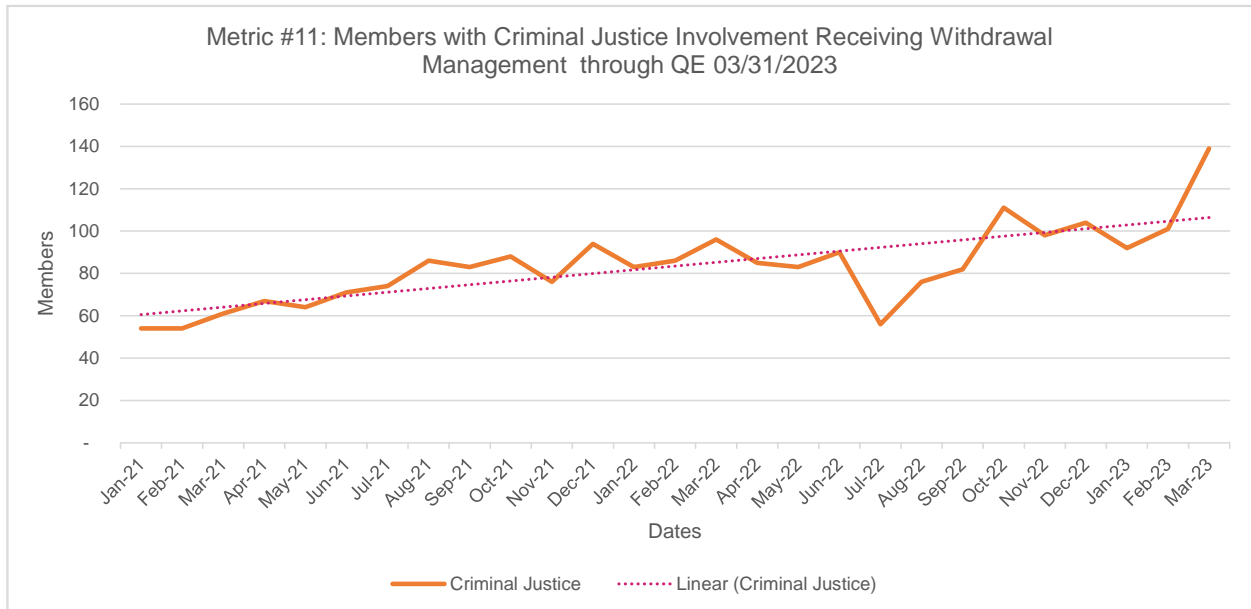




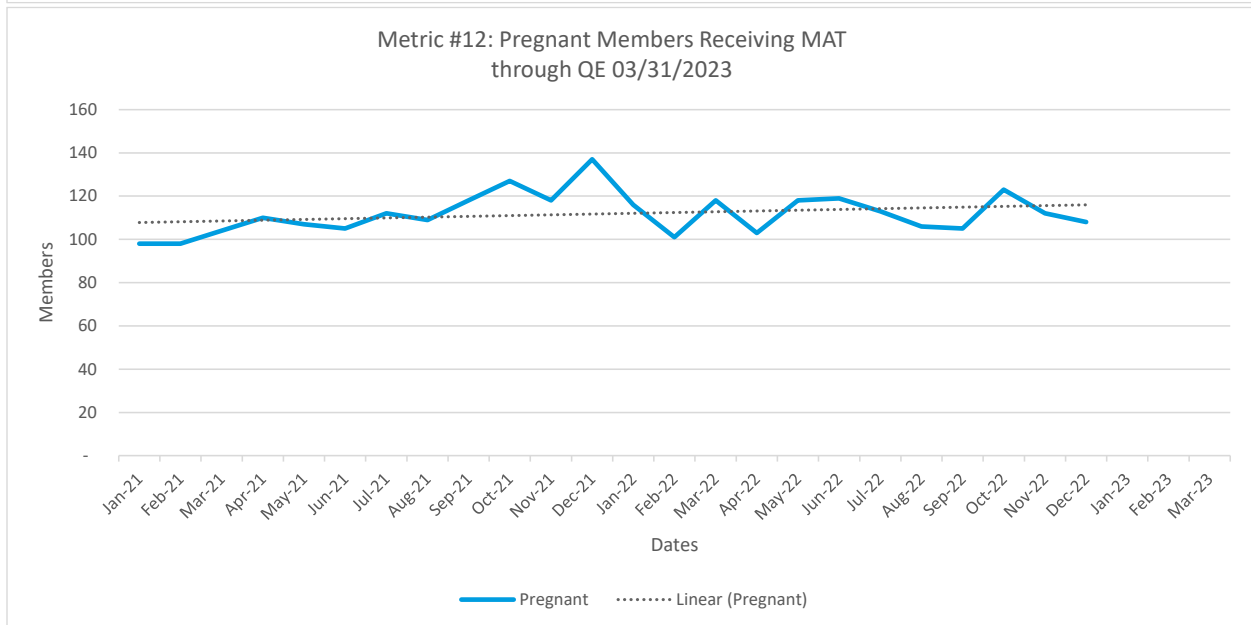
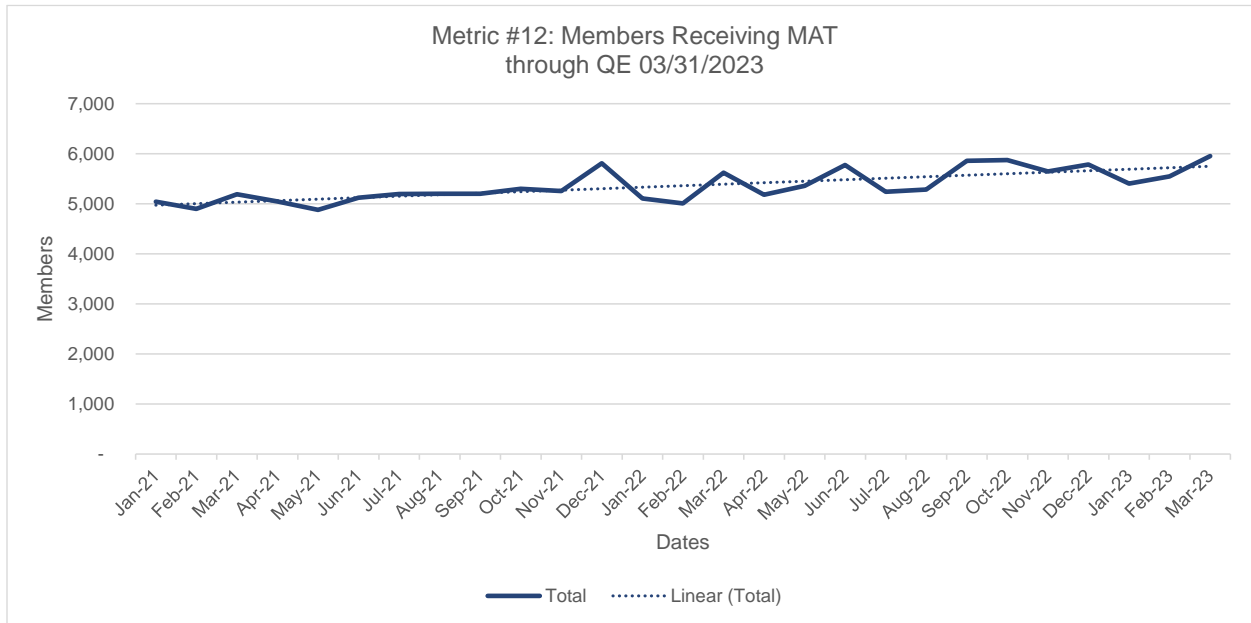
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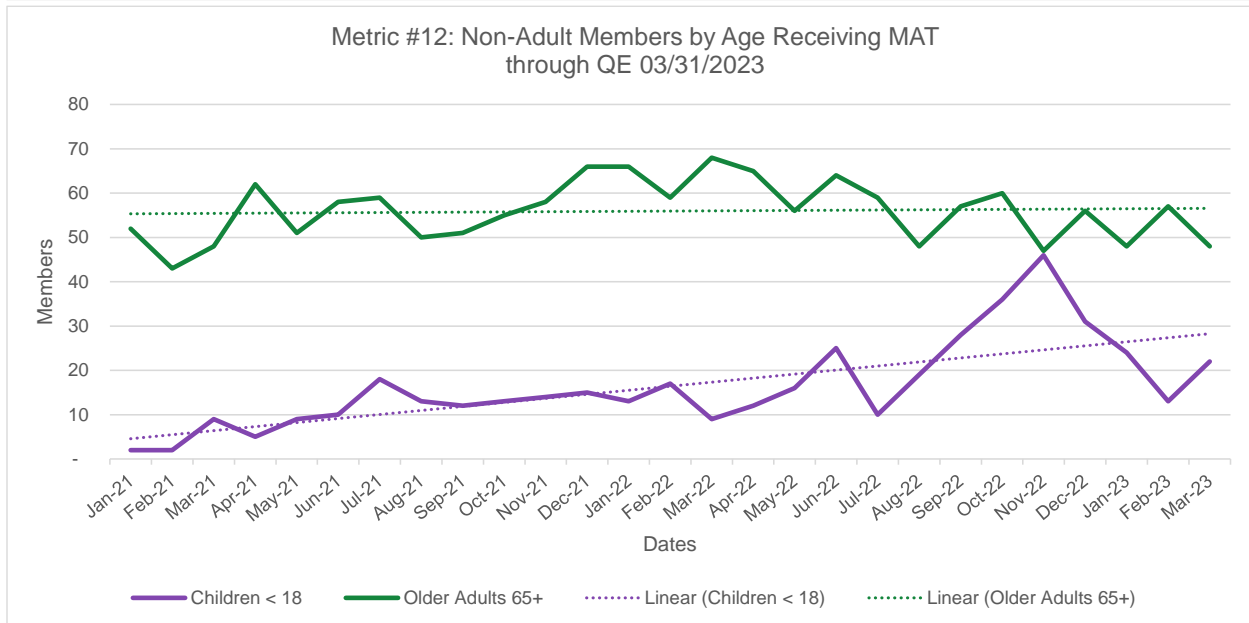
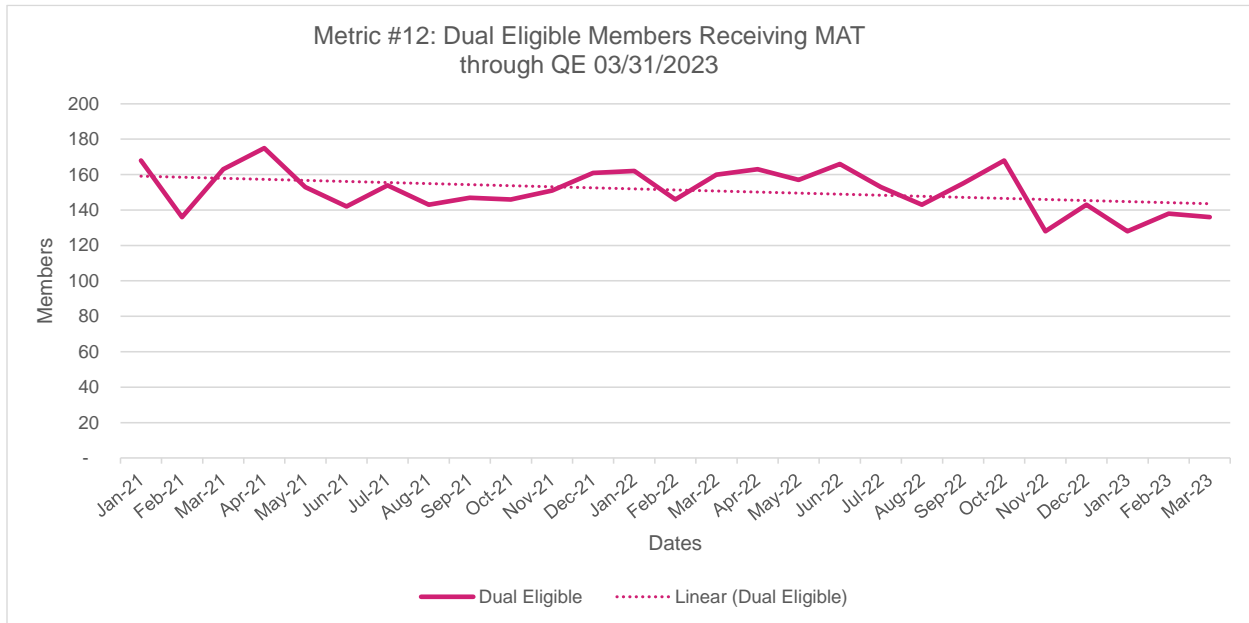
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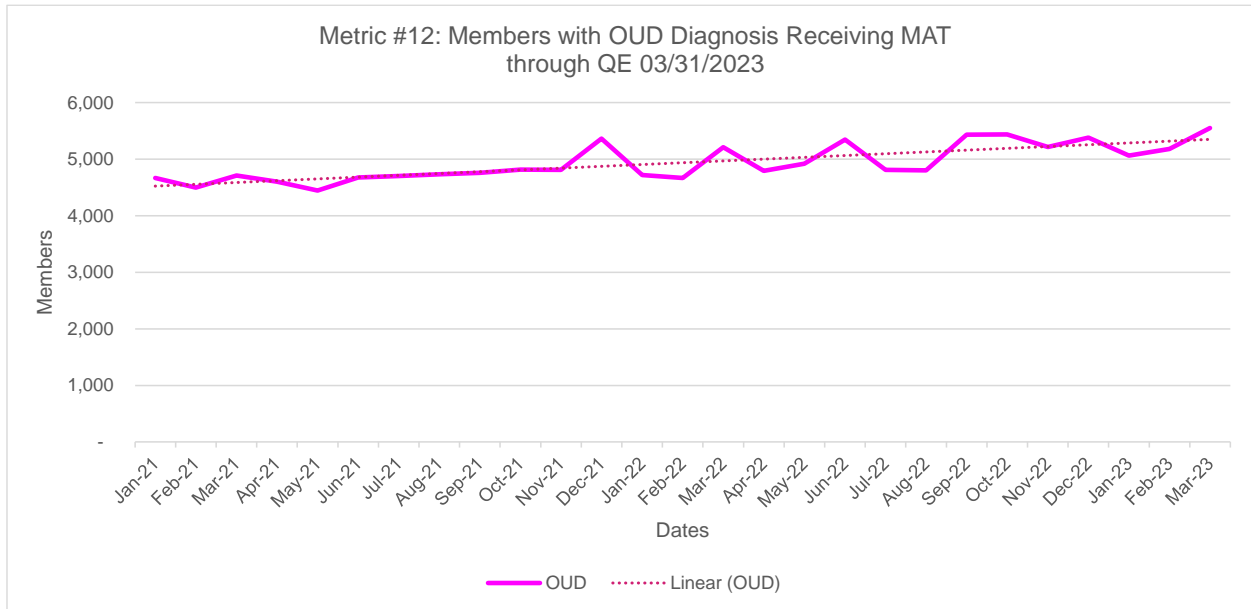
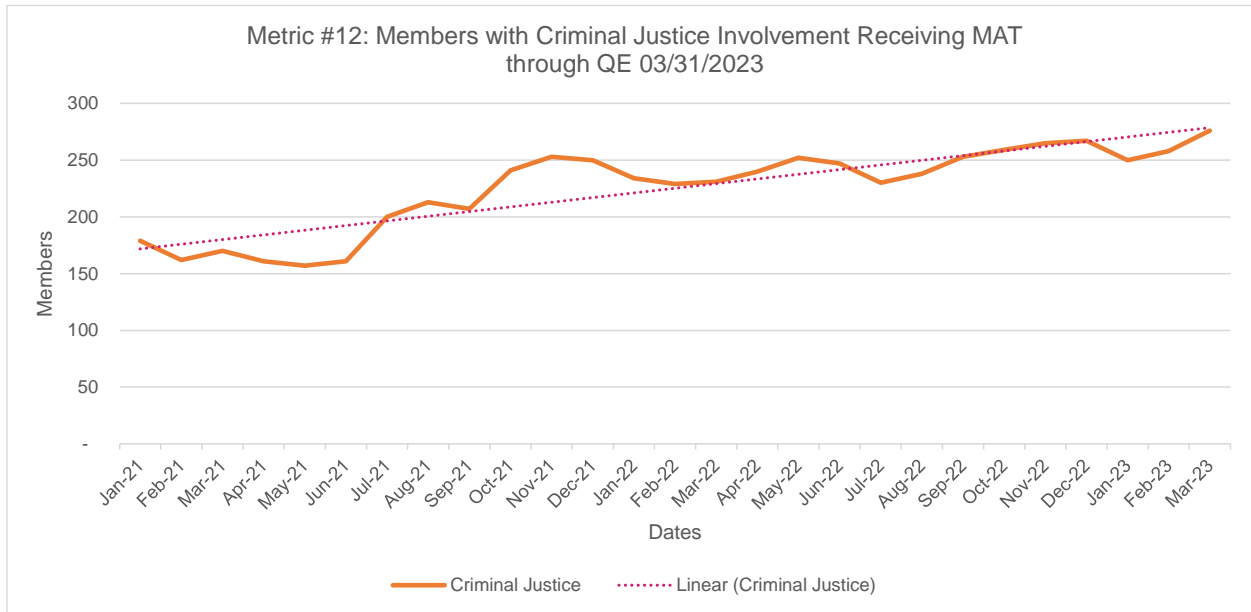
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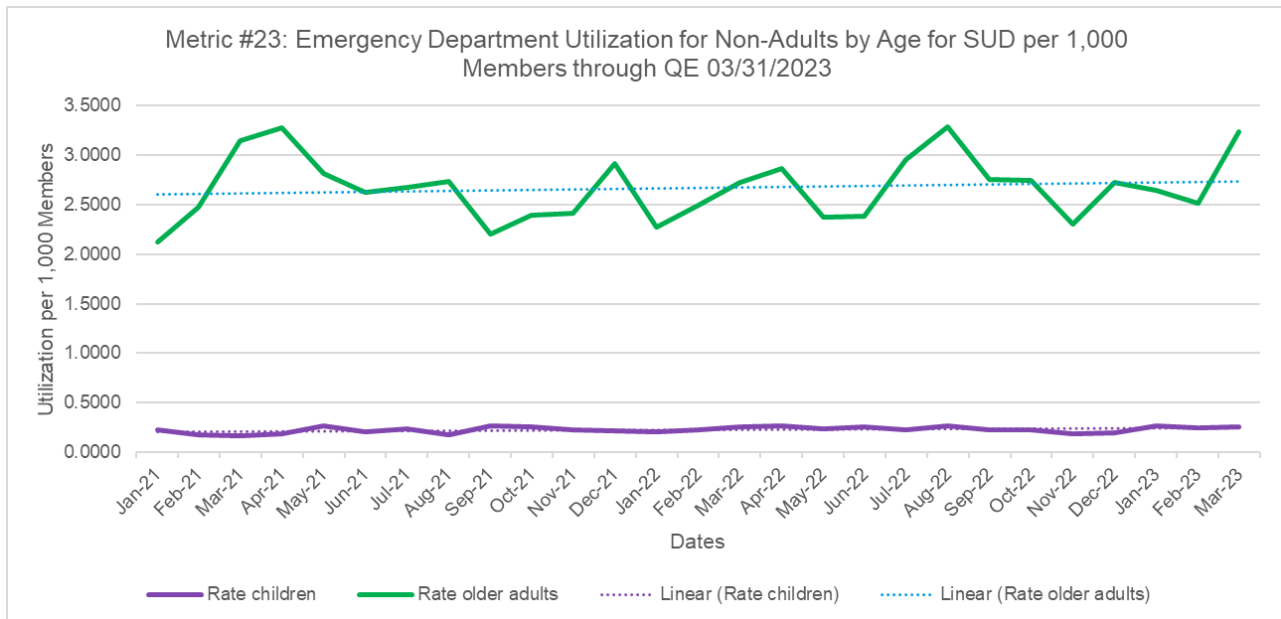
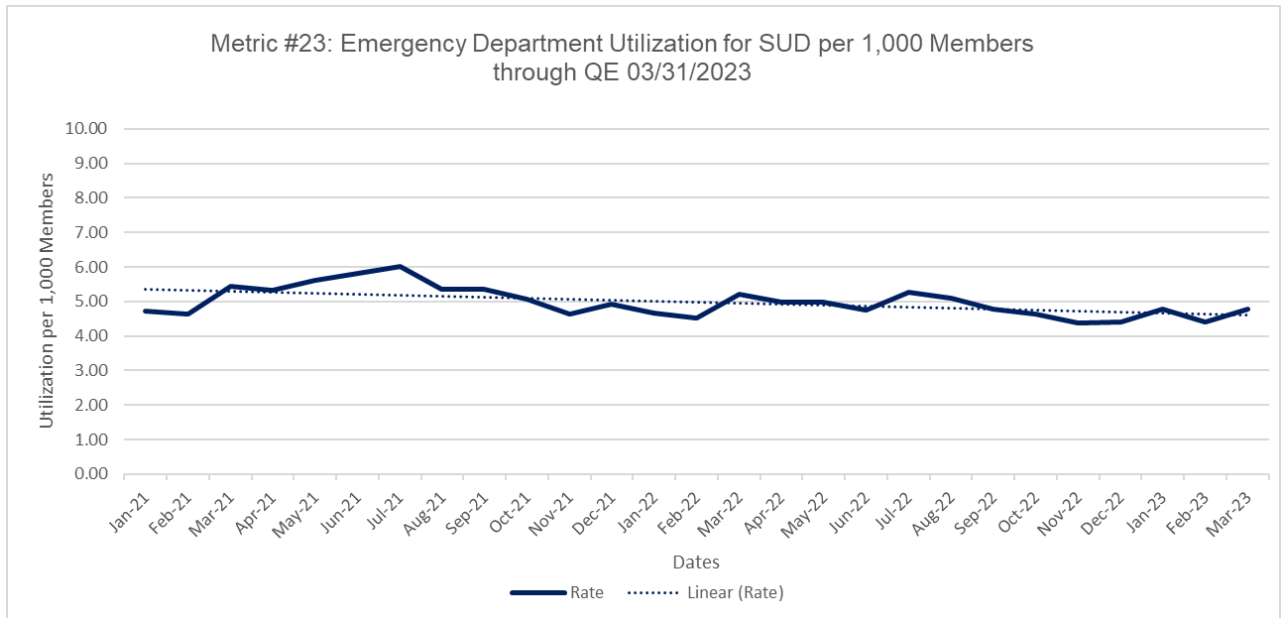
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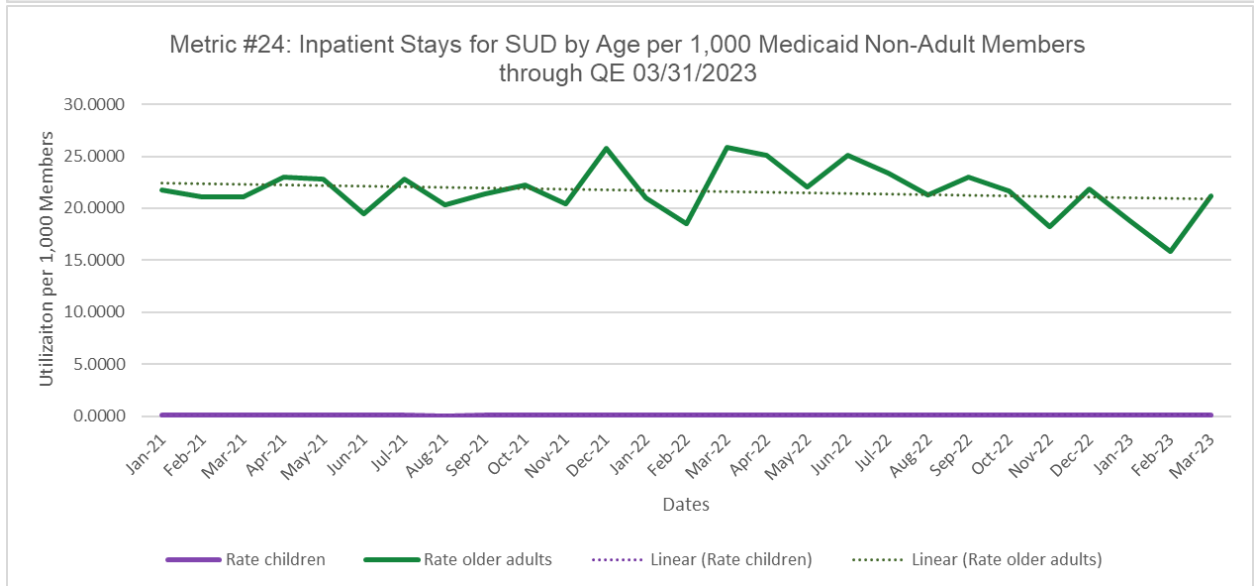
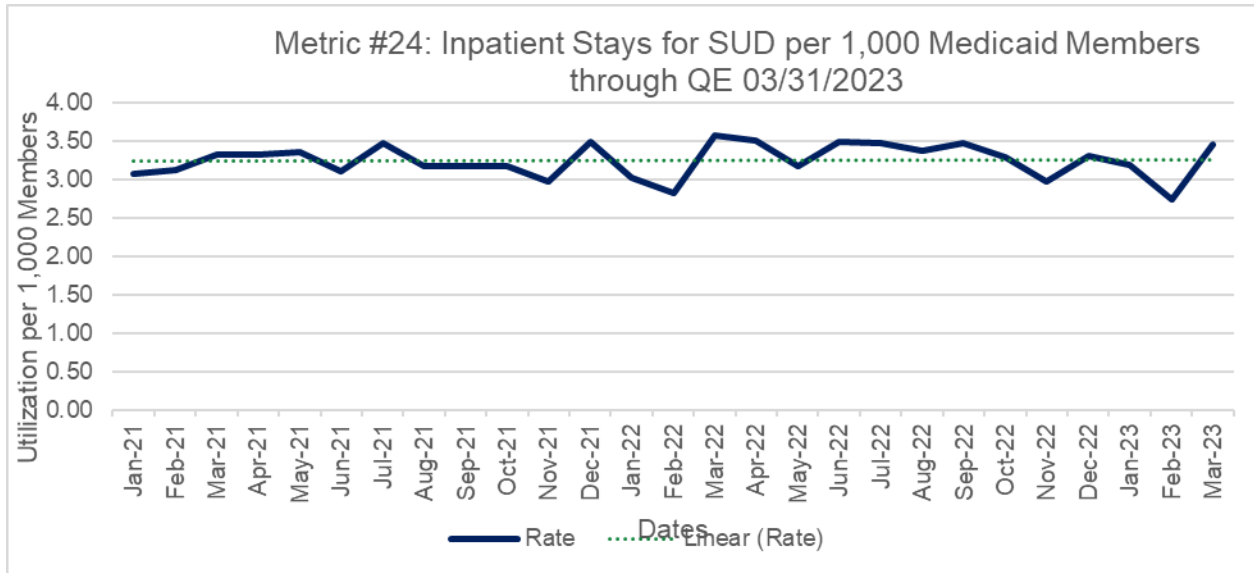
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**2. Annual Metrics**  
**SUD health information technology (health IT)**

Questions	Year	Dates	Values	Dates	Values	% change
Q1: Total Number of PDMP Users	Year	01/01/2021-12/31/2021	45,230	01/01/2022-12/31/2022	50,278	11.2%
Q2: Number of Opioid Prescriptions in PDMP	Year	01/01/2021-12/31/2021	2,953,884	01/01/2022-12/31/2022	2,821,936	-4.5%
Q3: Tracking MAT with Use of Telehealth Counseling and Behavioral Therapies	Year	01/01/2021-12/31/2021	3,213	01/01/2022-12/31/2022	1,708	-46.8%

**3. Calendar Year Metrics (National stewards)**

		2021	Denominator	Numerator	Rate	2022	Denominator	Numerator	Rate	% change
15. Percentage of beneficiaries age 18 and older with a new episode of alcohol or other drug (AOD) abuse or dependence who received the following:	Year									
• Initiation of AOD Treatment—percentage of beneficiaries who initiate treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter or partial hospitalization, telehealth, or medication treatment within 14 days of the diagnosis										
• Engagement of AOD Treatment—percentage of beneficiaries who initiated treatment and who were engaged in ongoing AOD treatment within 34 days of the initiation visit										



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		2021	Denominator	Numerator	Rate	2022	Denominator	Numerator	Rate	% change
The following diagnosis cohorts are reported for each rate: (1) Alcohol abuse or dependence, (2) Opioid abuse or dependence, (3) Other drug abuse or dependence, and (4) Total AOD abuse or dependence. A total of 8 separate rates are reported for this measure.										
1. Initiation of AOD Treatment - Alcohol abuse or dependence (rate 1, cohort 1)	Alcohol	01/01/2021-12/31/2021	15,730	5,314	0.3378	01/01/2022-12/31/2022	16,665	5,207	0.3125	-7.5%
2. Initiation of AOD Treatment - Opioid abuse or dependence (rate 1, cohort 2)	Opioid	01/01/2021-12/31/2021	6,019	2,446	0.4064	01/01/2022-12/31/2022	7,535	2,130	0.2827	-30.4%
3. Initiation of AOD Treatment - Other drug abuse or dependence (rate 1, cohort 3)	Other	01/01/2021-12/31/2021	11,898	4,387	0.3687	01/01/2022-12/31/2022	12,134	4,055	0.3342	-9.4%
4. Initiation of AOD Treatment - Total AOD abuse of dependence (rate 1, cohort 4)	Total	01/01/2021-12/31/2021	34,204	13,379	0.3912	01/01/2022-12/31/2022	36,894	13,176	0.3571	-8.7%
5. Engagement of AOD Treatment - Alcohol abuse or dependence (rate 2, cohort 1)	Alcohol	01/01/2021-12/31/2021	5,314	3,575	0.6728	01/01/2022-12/31/2022	5,207	3,644	0.6998	4.0%
6. Engagement of AOD Treatment - Opioid abuse or dependence (rate 2, cohort 2)	Opioid	01/01/2021-12/31/2021	2,446	1,733	0.7085	01/01/2022-12/31/2022	2,130	1,596	0.7493	5.8%

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		2021	Denominator	Numerator	Rate	2022	Denominator	Numerator	Rate	% change
7. Engagement of AOD Treatment - Other drug abuse or dependence (rate 2, cohort 3)	Other	01/01/2021-12/31/2021	4,387	2,861	0.6522	01/01/2022-12/31/2022	4,055	2,747	0.6774	3.9%
8. Engagement of AOD Treatment - Total AOD abuse of dependence (rate 2, cohort 4)	Total	01/01/2021-12/31/2021	13,379	8,087	0.6045	01/01/2022-12/31/2022	13,176	7,909	0.6003	-0.7%
17(1) Percentage of emergency department (ED) visits for beneficiaries age 18 and older with a principal diagnosis of alcohol or other drug (AOD) abuse or dependence who had a follow-up visit for AOD abuse or dependence. Two rates are reported:	Year									
• Percentage of ED visits for which the beneficiary received follow-up within 30 days of the ED visit (31 total days).	<30 days	01/01/2021-12/31/2021	9,879	2,288	.231602	01/01/2022-12/31/2022	9,316	1,995	0.2141	-7.5%
• Percentage of ED visits for which the beneficiary received follow-up within 7 days of the ED visit (8 total days).	<7 days	01/01/2021-12/31/2021	9,879	1,537	.155583	01/01/2022-12/31/2022	9,316	1,408	0.1511	-2.9%
17(2)Percentage of emergency department (ED) visits for beneficiaries age 18 and older with a principal diagnosis of mental illness or intentional self-harm and who had a follow-up visit for mental illness. Two rates are reported:	Year									

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		2021	Denominator	Numerator	Rate	2022	Denominator	Numerator	Rate	% change
• Percentage of ED visits for mental illness for which the beneficiary received follow-up within 30 days of the ED visit (31 total days)	<30 days	01/01/2021-12/31/2021	2,519	857	.340214	01/01/2022-12/31/2022	2,602	785	0.3017	-11.3%
• Percentage of ED visits for mental illness for which the beneficiary received follow-up within 7 days of the ED visit (8 total days).	<7 days	01/01/2021-12/31/2021	2,519	620	.246129	01/01/2022-12/31/2022	2,602	582	0.2237	-9.1%
18	Year	01/01/2021-12/31/2021	18,336	1,649	0.0899	01/01/2022-12/31/2022	18,530	1,986	0.1072	19.2%
21	Year	01/01/2021-12/31/2021	18,339	2,419	0.1319	01/01/2022-12/31/2022	18,530	2,188	0.1181	-10.5%
22	Year	01/01/2021-12/31/2021	14,631	8,424	.575764	01/01/2022-12/31/2022	15,931	9,092	0.5707	-0.9%
32	Year	01/01/2021-12/31/2021	74,474	64,047	0.86	01/01/2022-12/31/2022	79,309	68,441	0.863	0.3%

**4. Demonstration Year Metrics (CMS steward)**

		Dates	Denominator	Numerator	Rates	Dates	Denominator	Numerator	Rates	% Change
4	Year	01/01/2021-12/31/2021		81,928		01/01/2022-12/31/2022		118,193		44.3%
5	Year	01/01/2021-12/31/2021		652		01/01/2022-12/31/2022		667		2.3%
13	Year	01/01/2021-12/31/2021		3,121		01/01/2022-12/31/2022		2,928		-6.2%

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		Dates	Denominator	Numerator	Rates	Dates	Denominator	Numerator	Rates	% Change
14	Year	01/01/2021-12/31/2021		277		01/01/2022-12/31/2022		278		0.4%
25	Year	01/01/2021-12/31/2021	31,677	5,940	0.1875	01/01/2022-12/31/2022	32,584	6,218	0.1908	1.8%
26	Year	01/01/2021-12/31/2021		859		01/01/2022-12/31/2022		1,160		35.0%
27	Year	01/01/2021-12/31/2021	1,333,830	859	0.64401	01/01/2022-12/31/2022	1,444,905	1,160	0.80282	24.7%
27	<18		522,941	18	0.03442		547,101	22	0.04021	16.8%
27	18-64		751,690	808	1.07491		828,897	1,087	1.3114	22.0%
27	65+		59,199	33	0.55744		68,907	51	0.7401	32.8%
27	ODD		1,333,830	538	0.40335		1,444,905	734	0.5080	25.9%
36	Year	01/01/2021-12/31/2021	904	4,605	5.09403	01/01/2022-12/31/2022	989	9,038	9.13852	79.4%
	ODD		306	2,018	6.59477		436	4,529	10.38761	57.5%