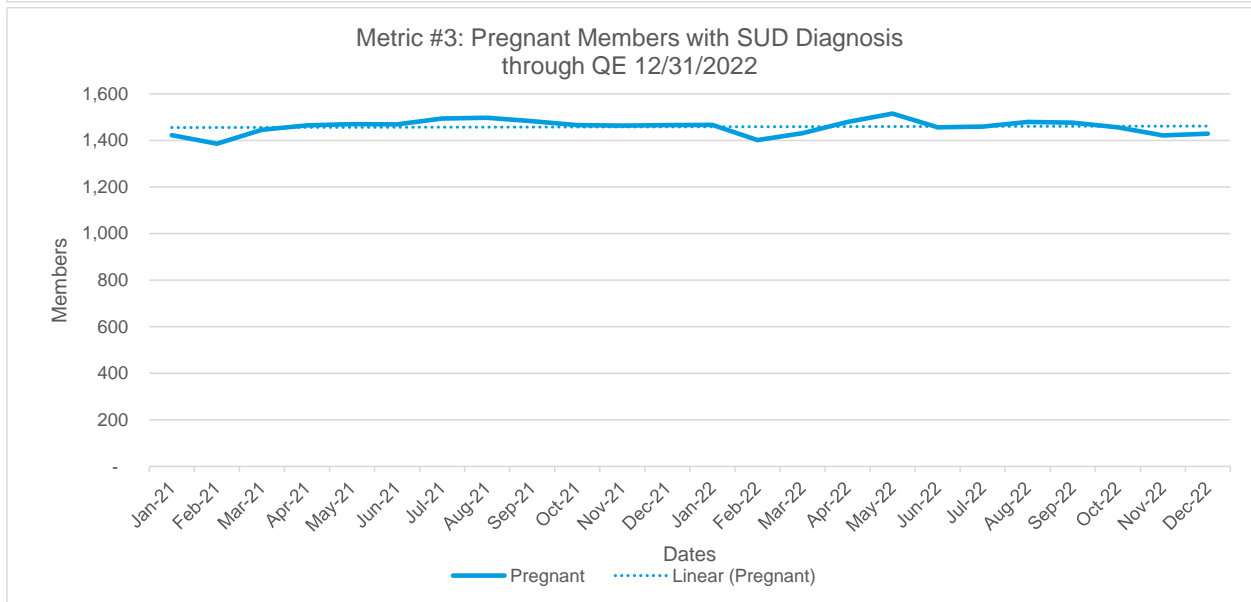
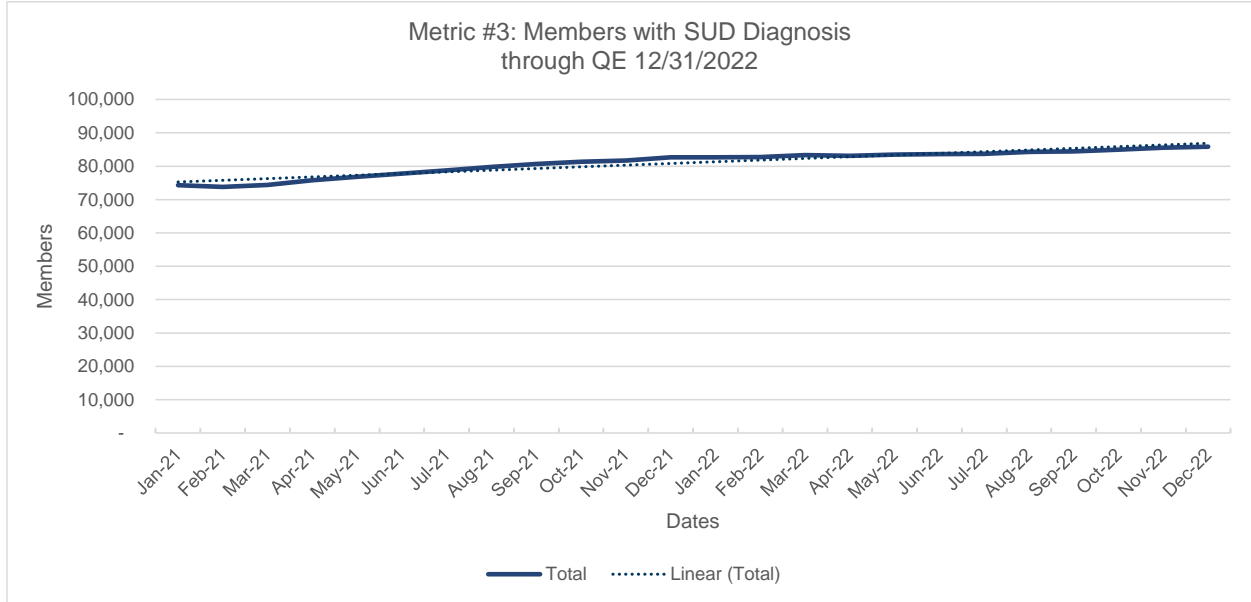


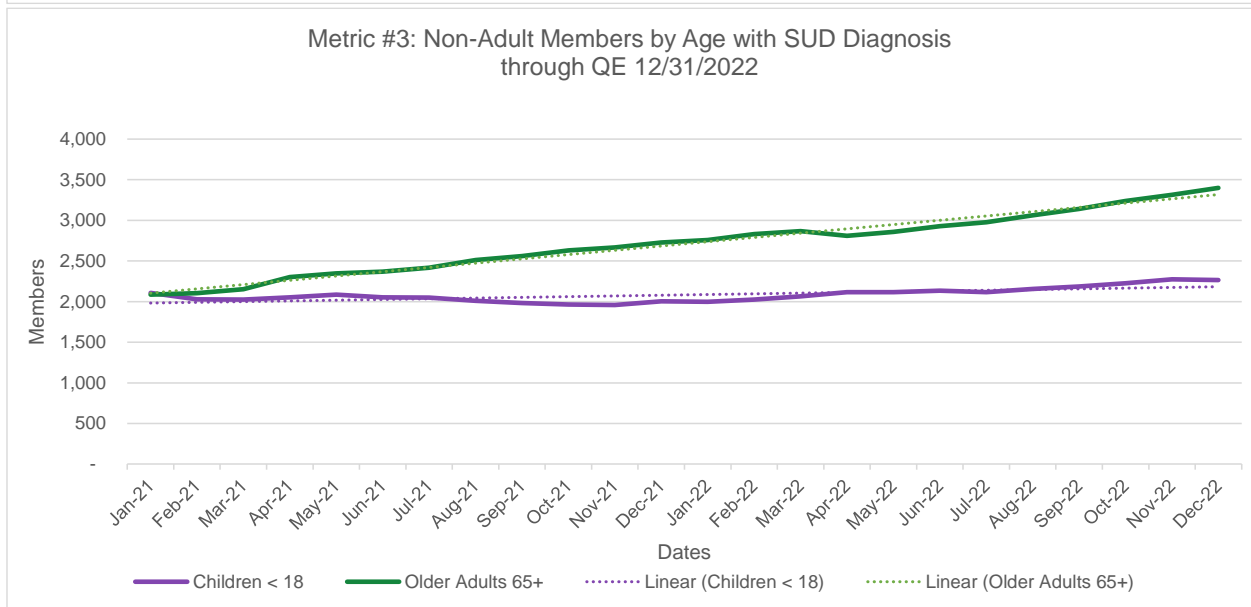
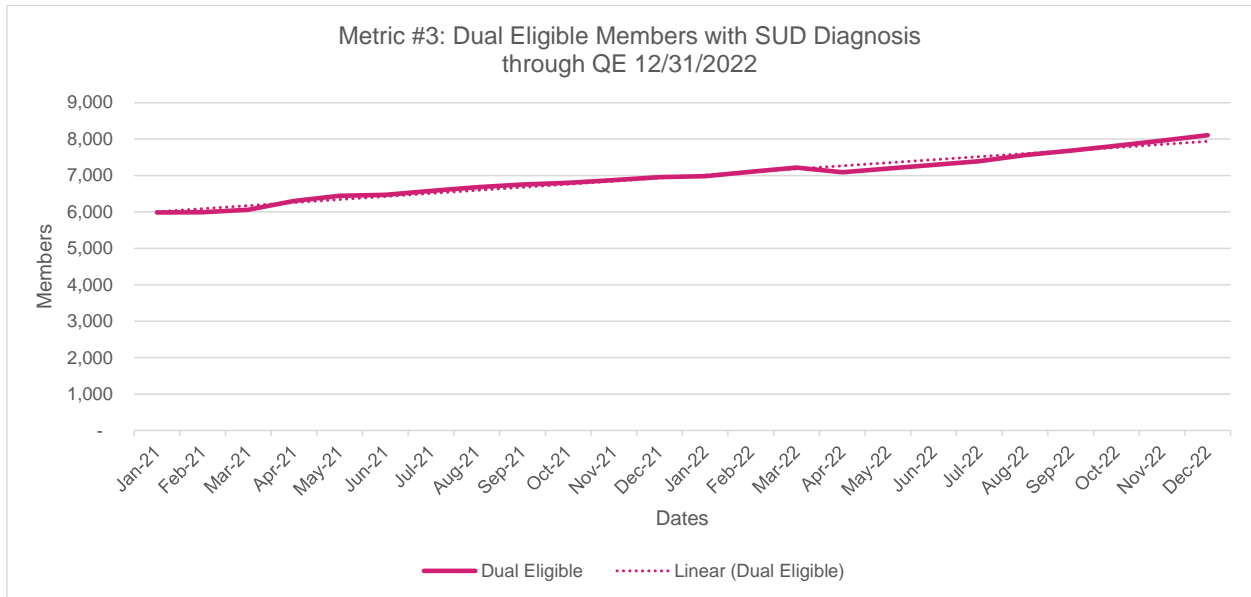
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Appendix: Metric Graphs

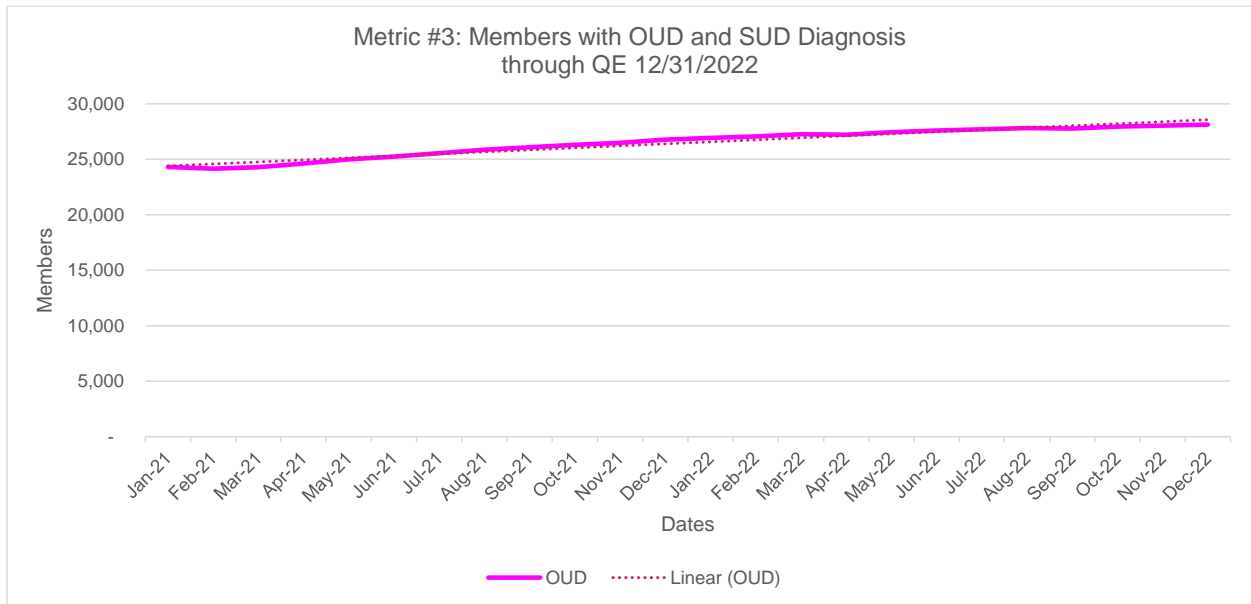
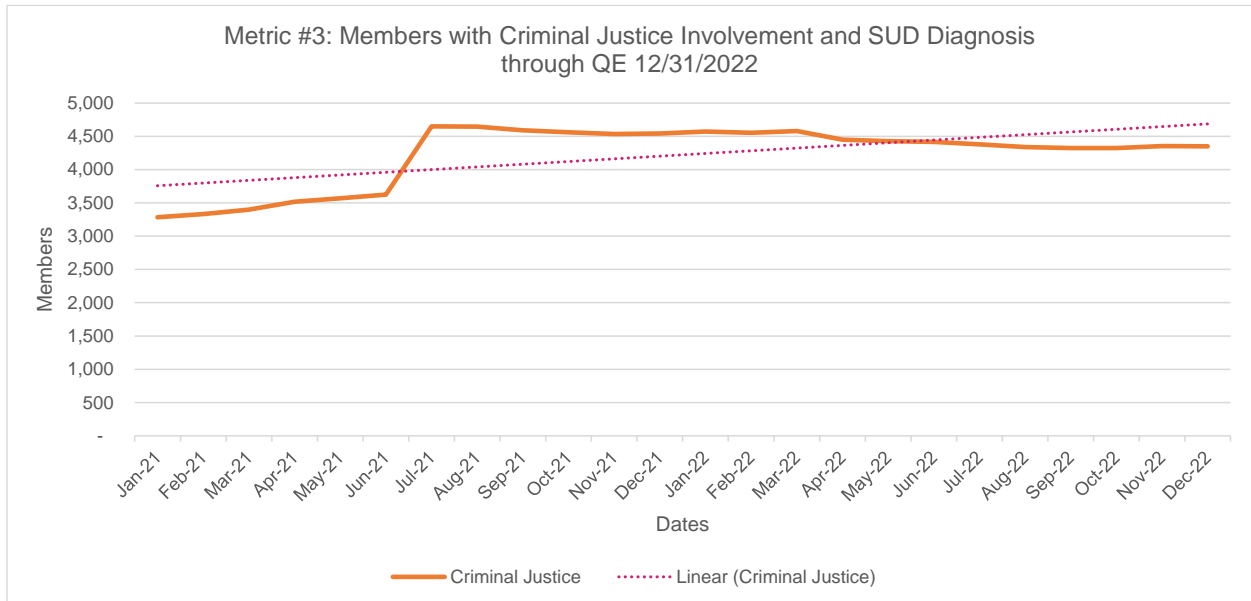
1. Assessment of need and qualification for SUD services



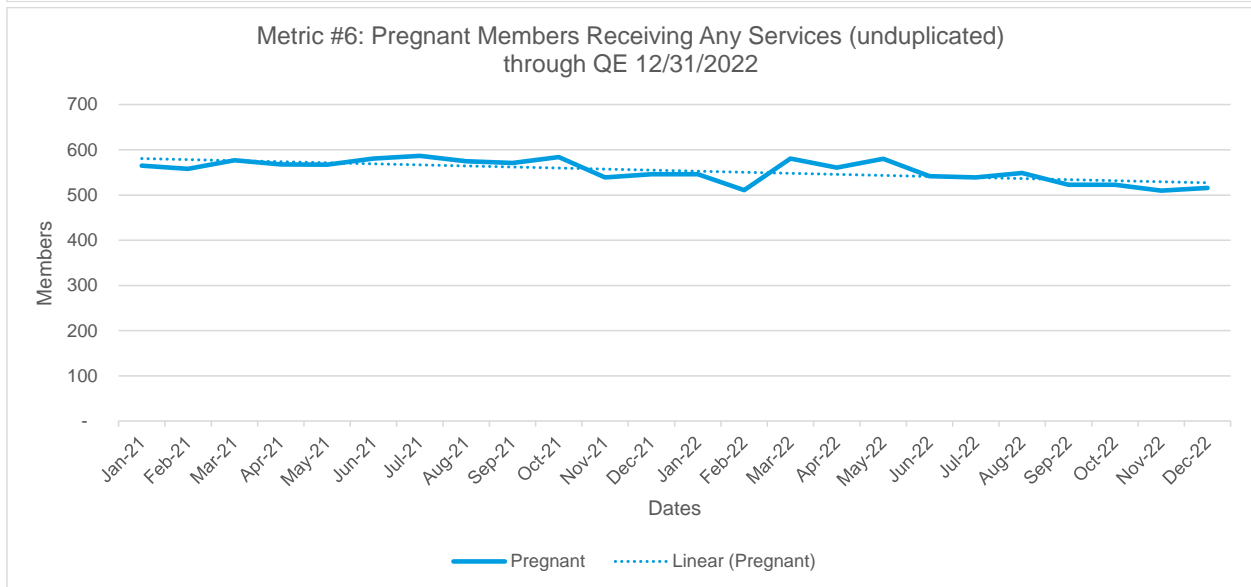
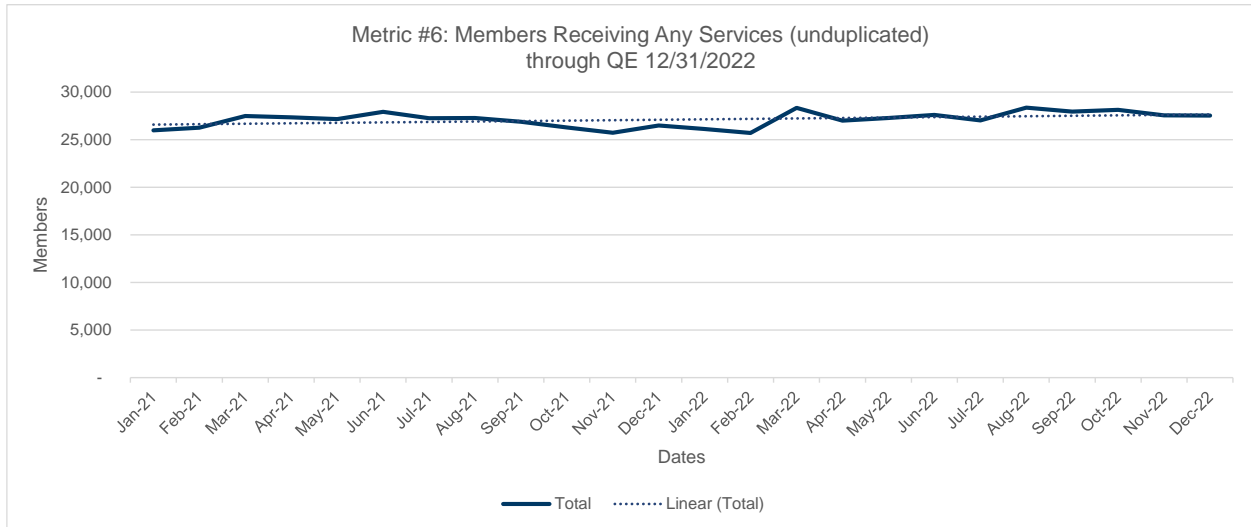
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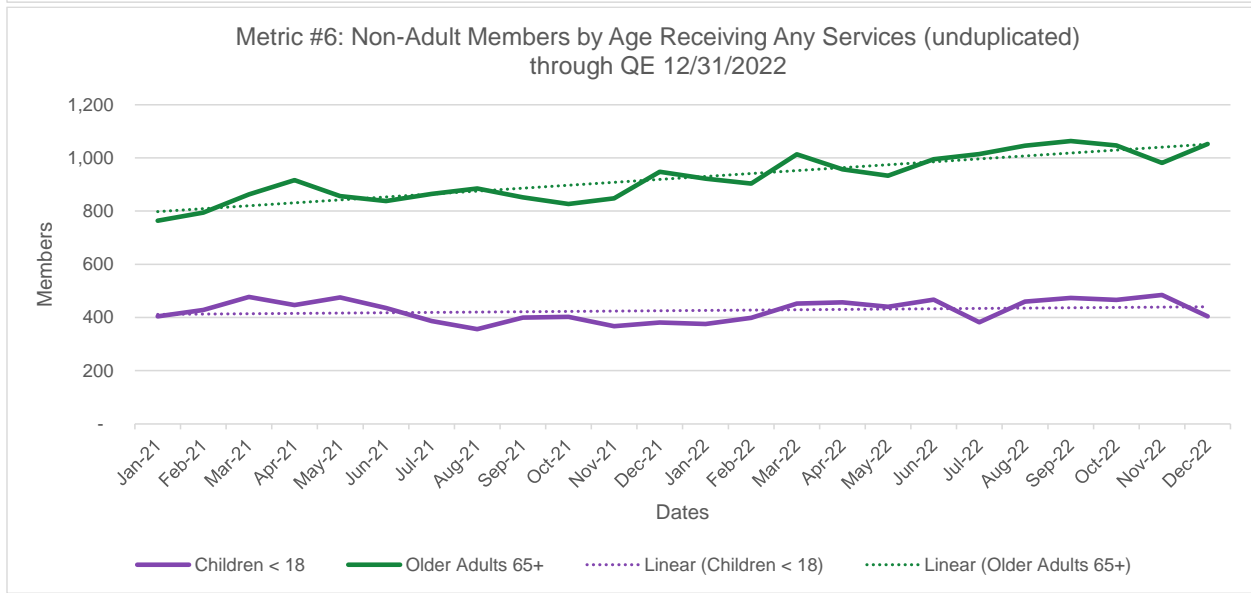
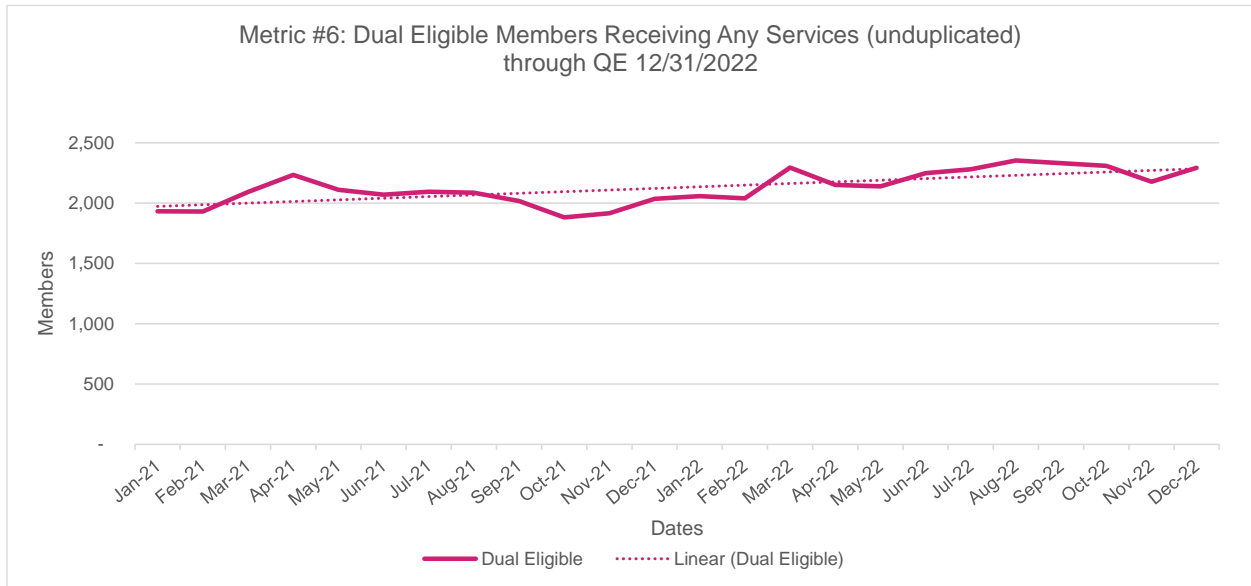
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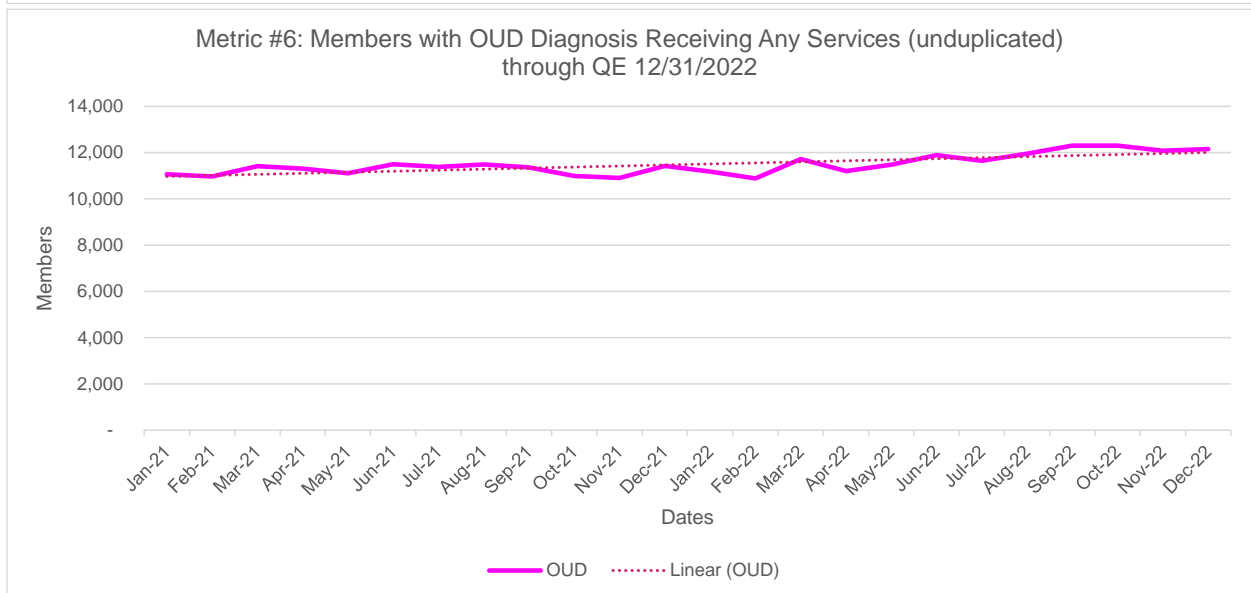
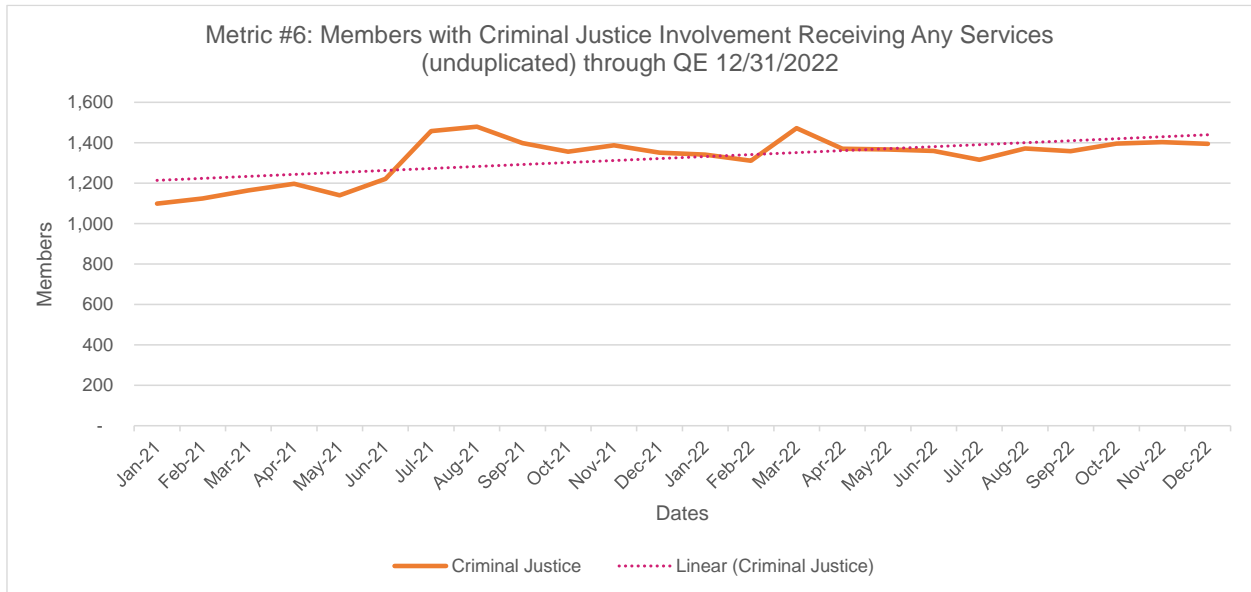
**2. Access to Critical Levels of Care for OUD and other SUDs (Milestone 1)**



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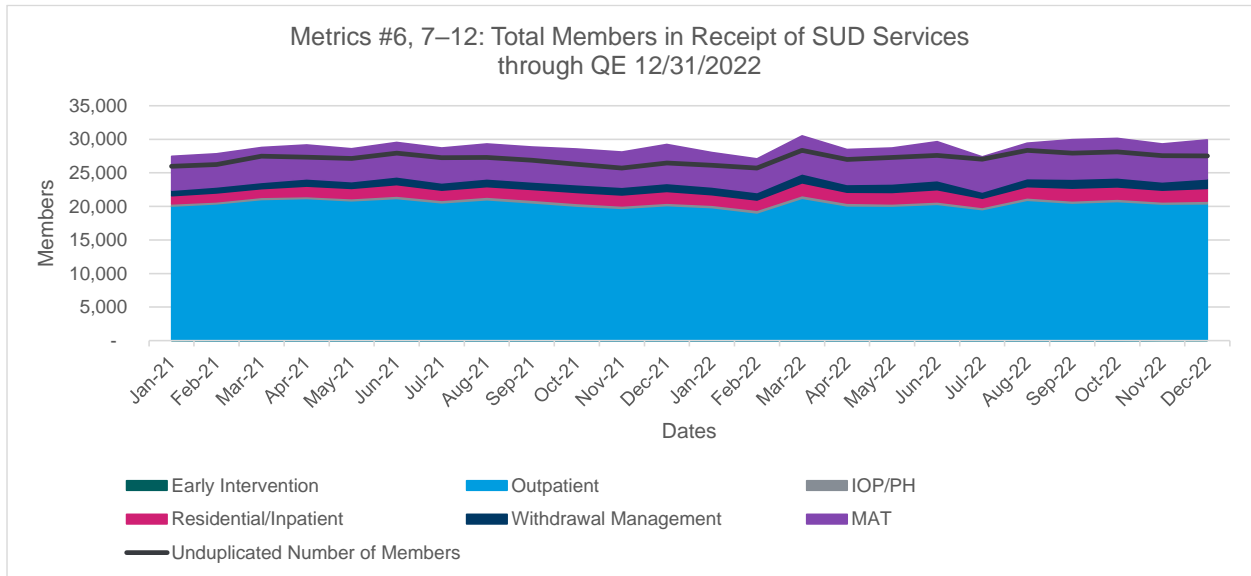


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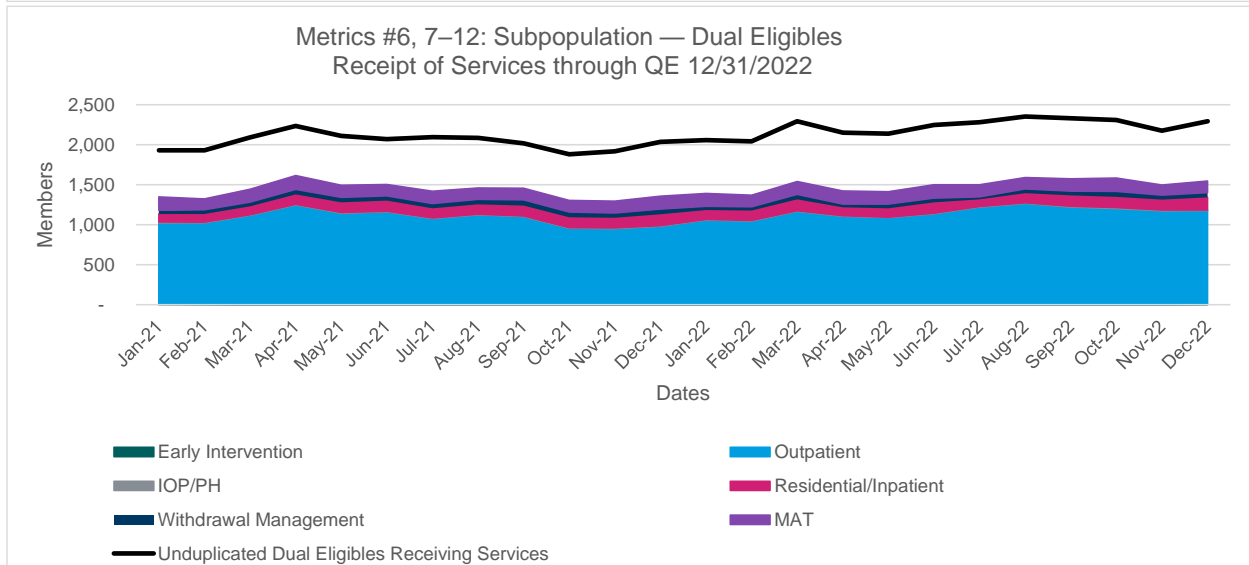
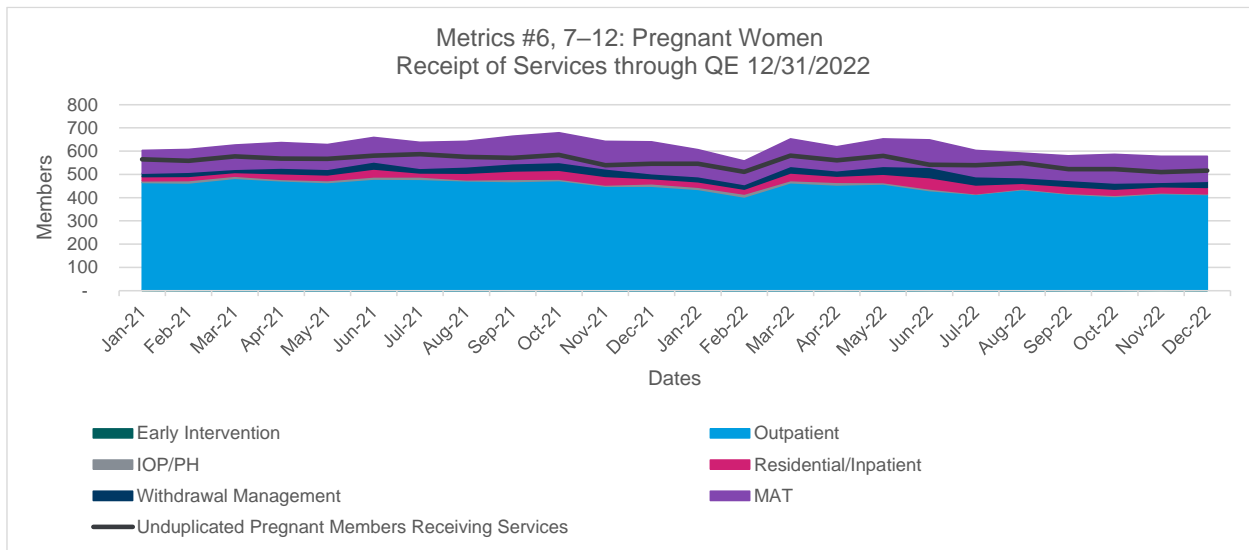
Total Members in receipt of SUD services DY1 (Metric #6 Unduplicated number is black line; Metrics #7-12 are in the stacked areas)

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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)

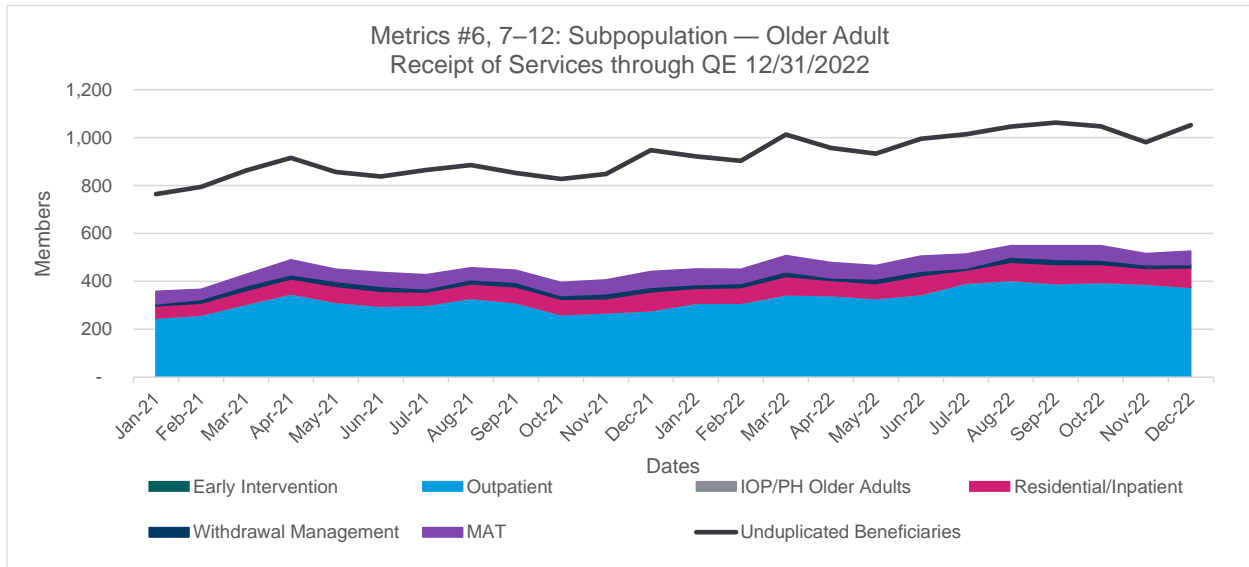
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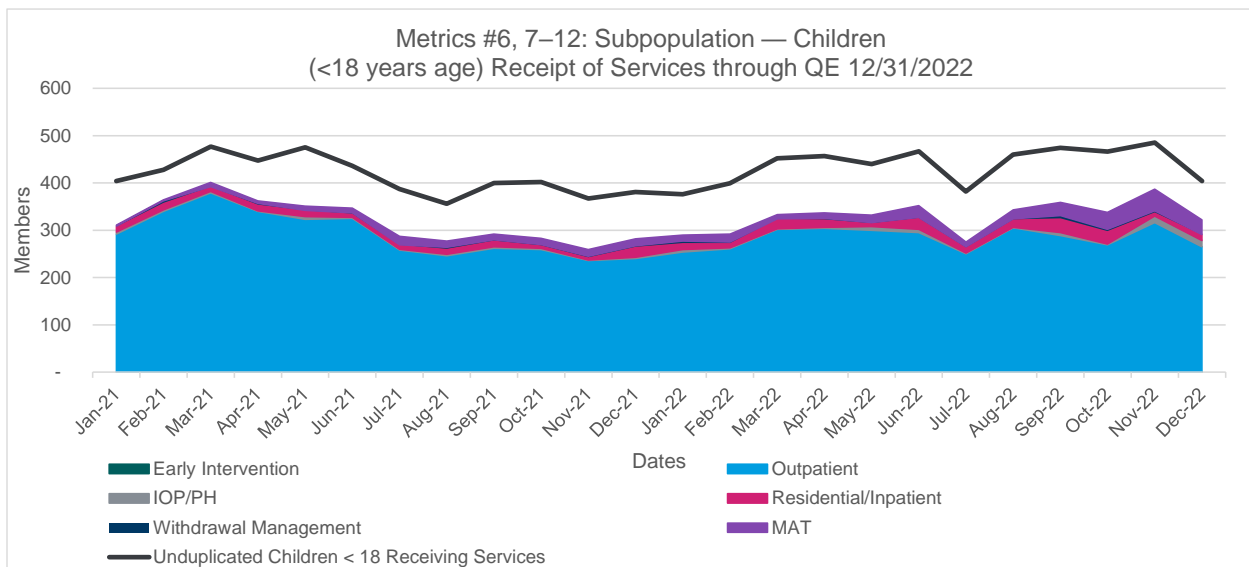
*Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results 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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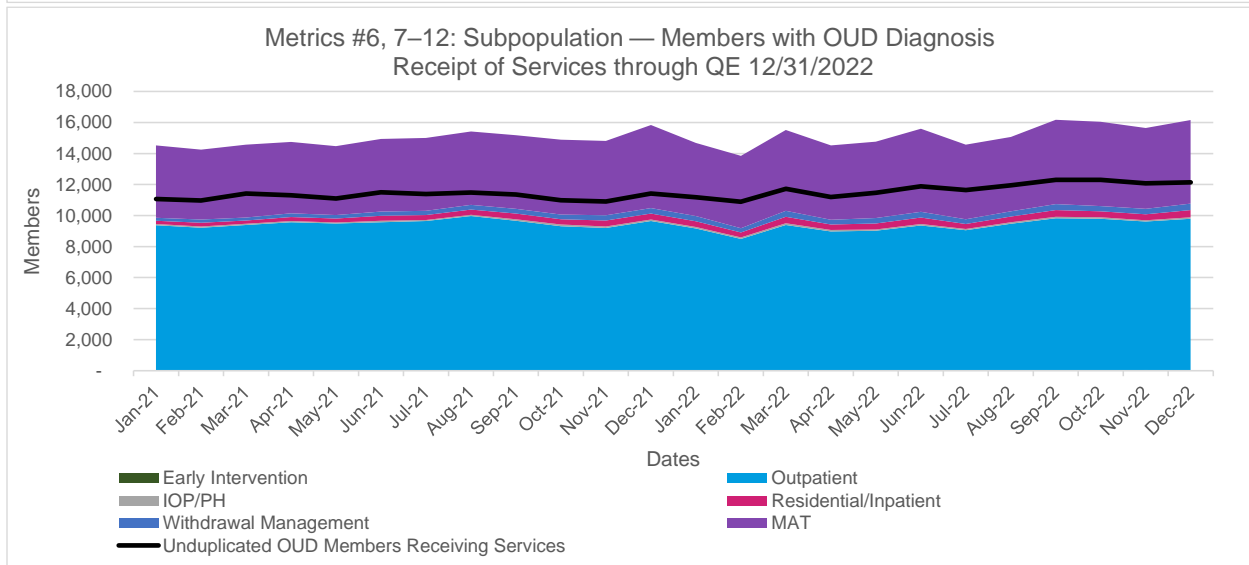
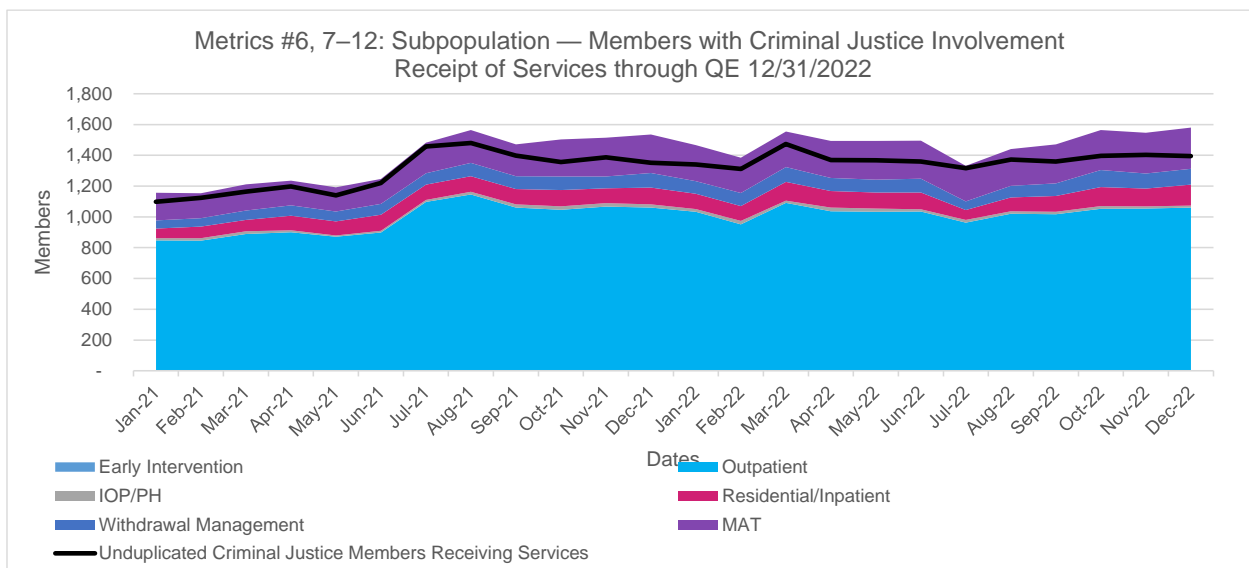


*Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results 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.*

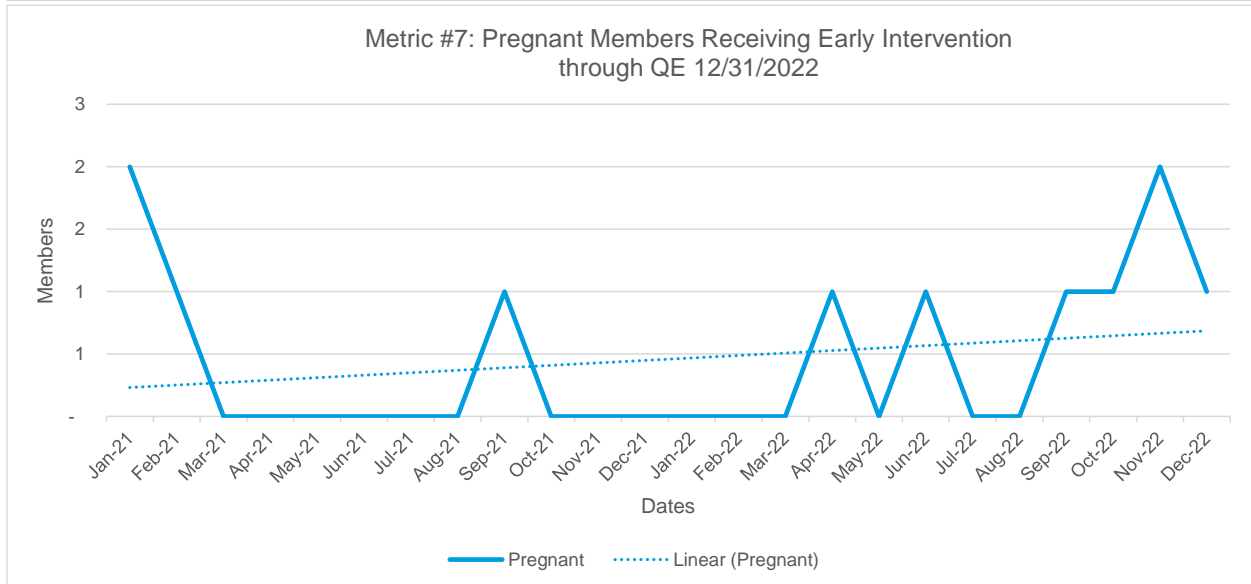
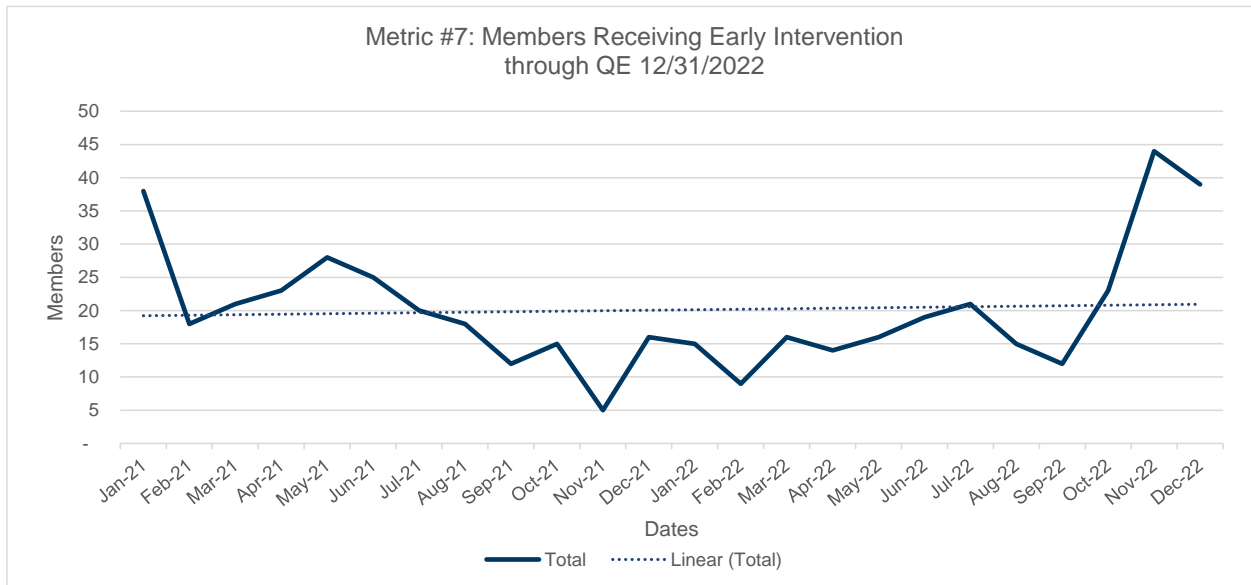


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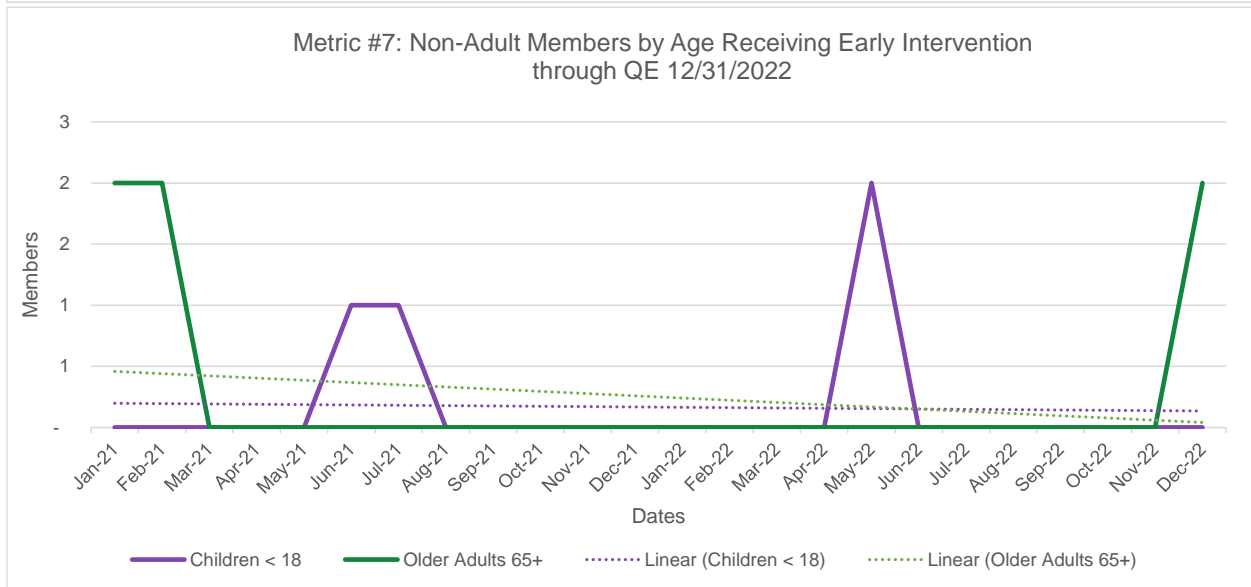
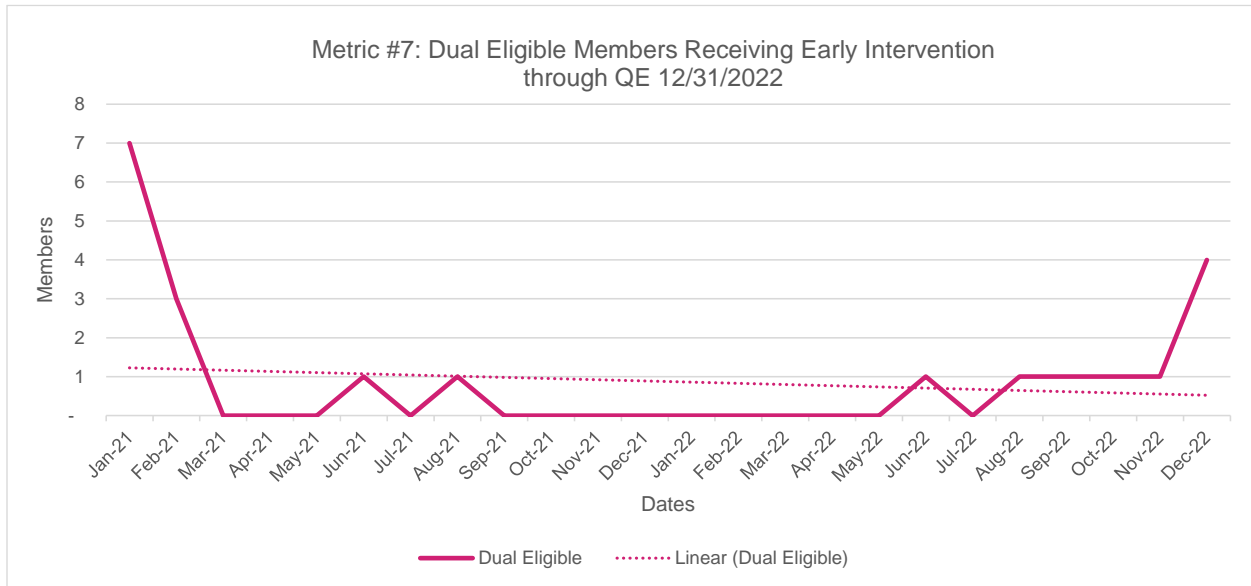
*Note: Metric #6 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in any position on a claim. Metric #10 includes inpatient and residential SUD services for individuals with a diagnosis of SUD in the primary position on a claim. For some subpopulations, this results 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.*



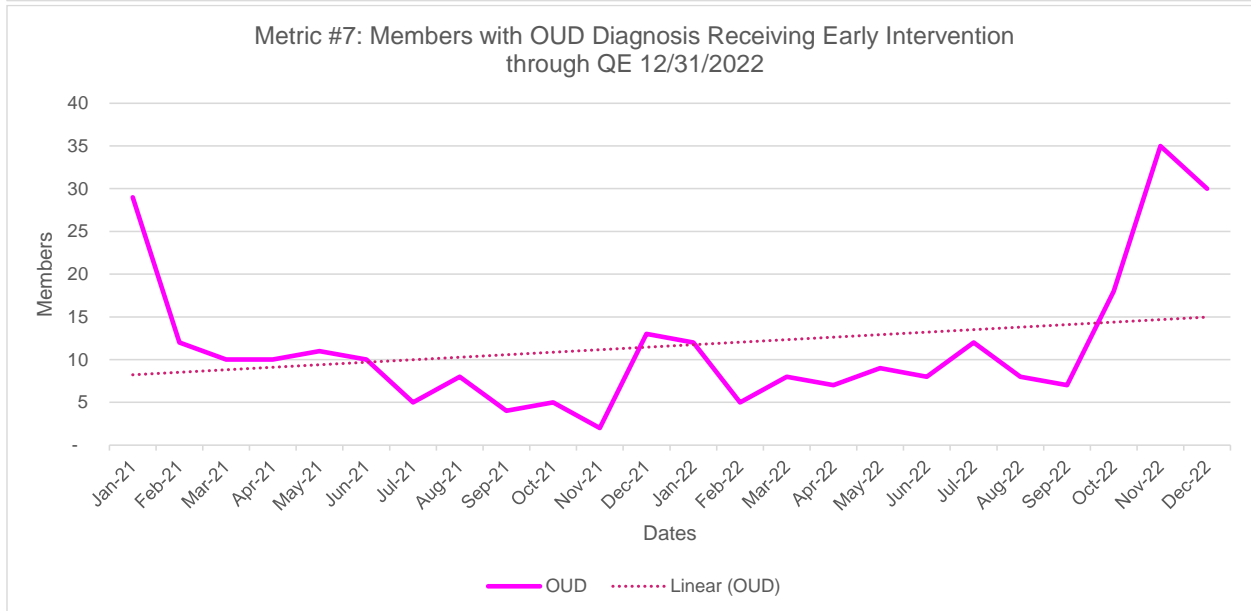
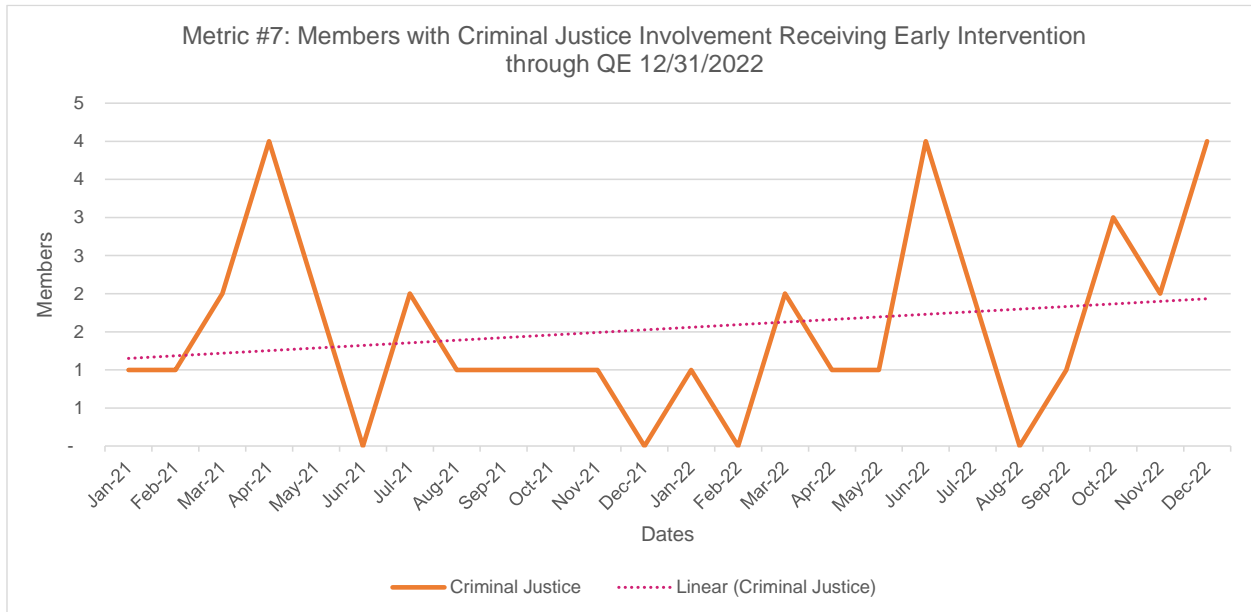
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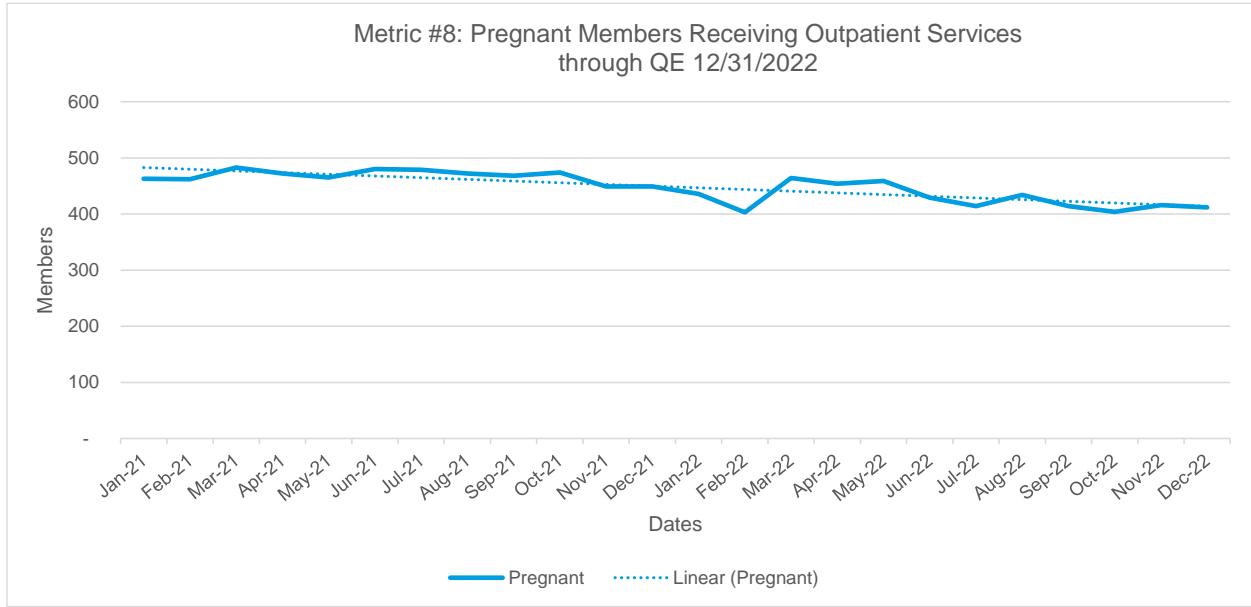
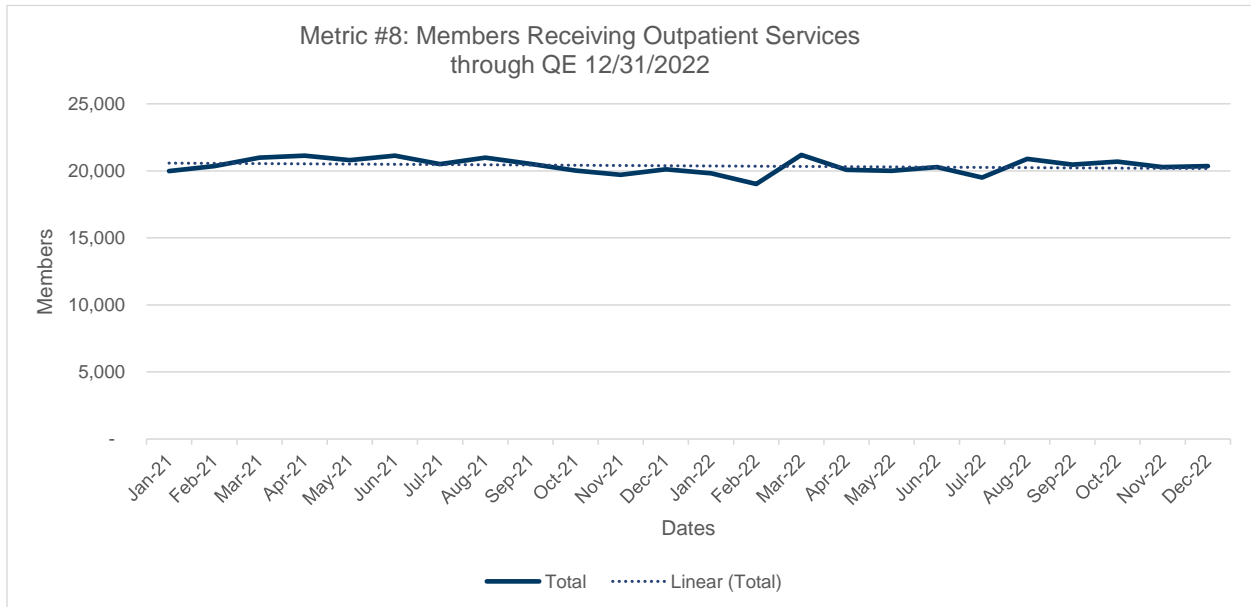
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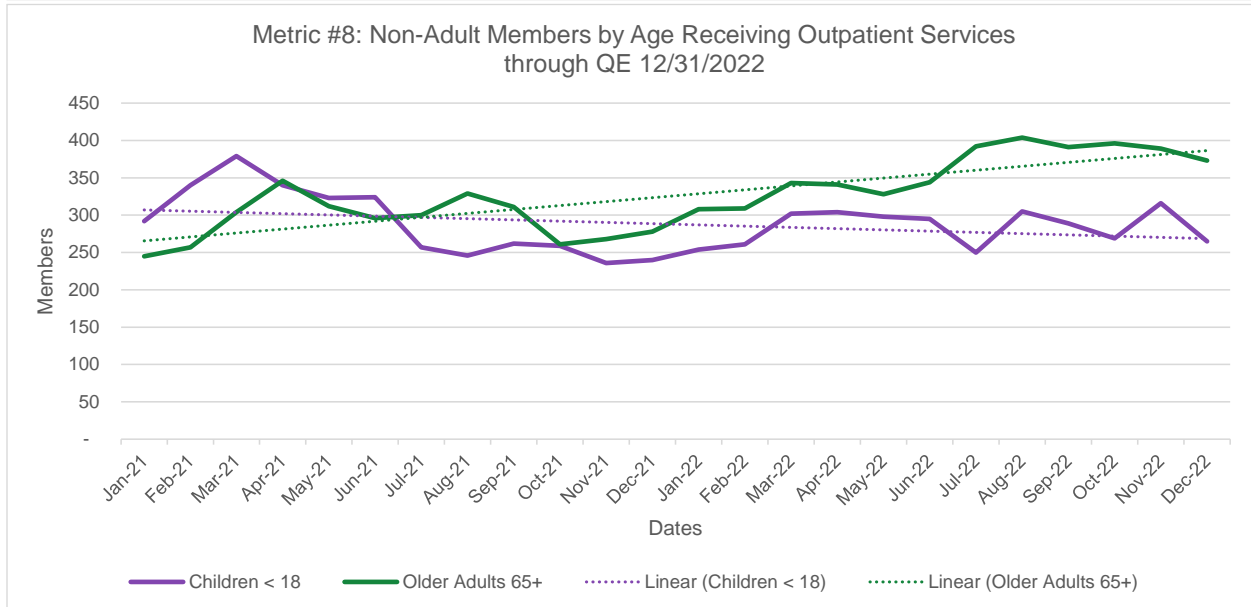
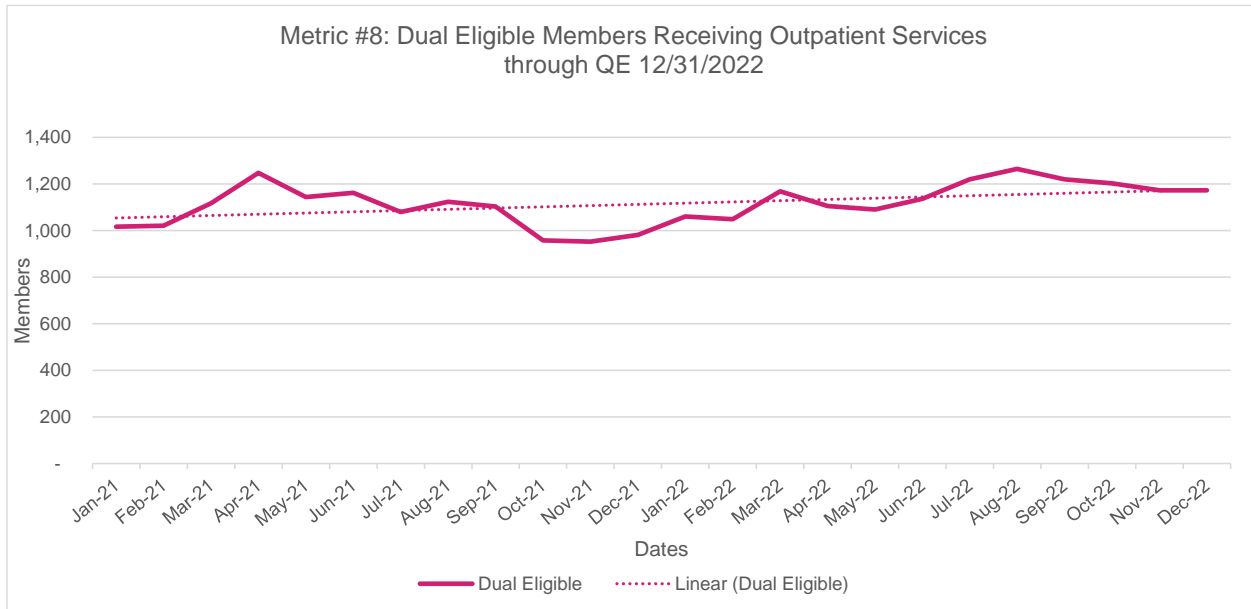
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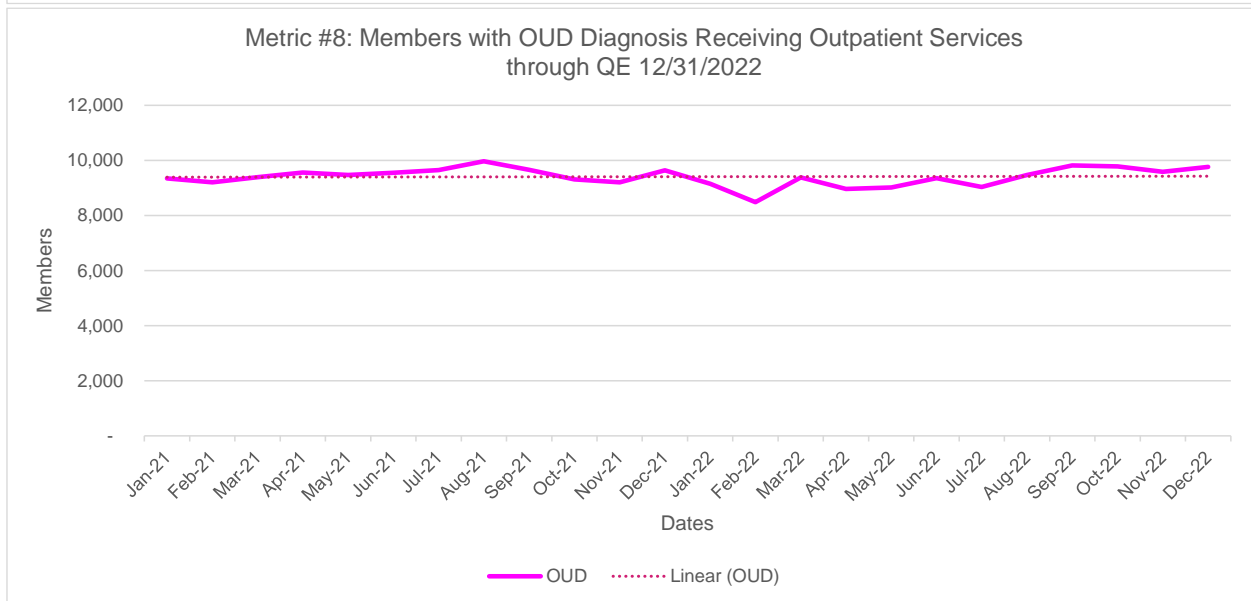
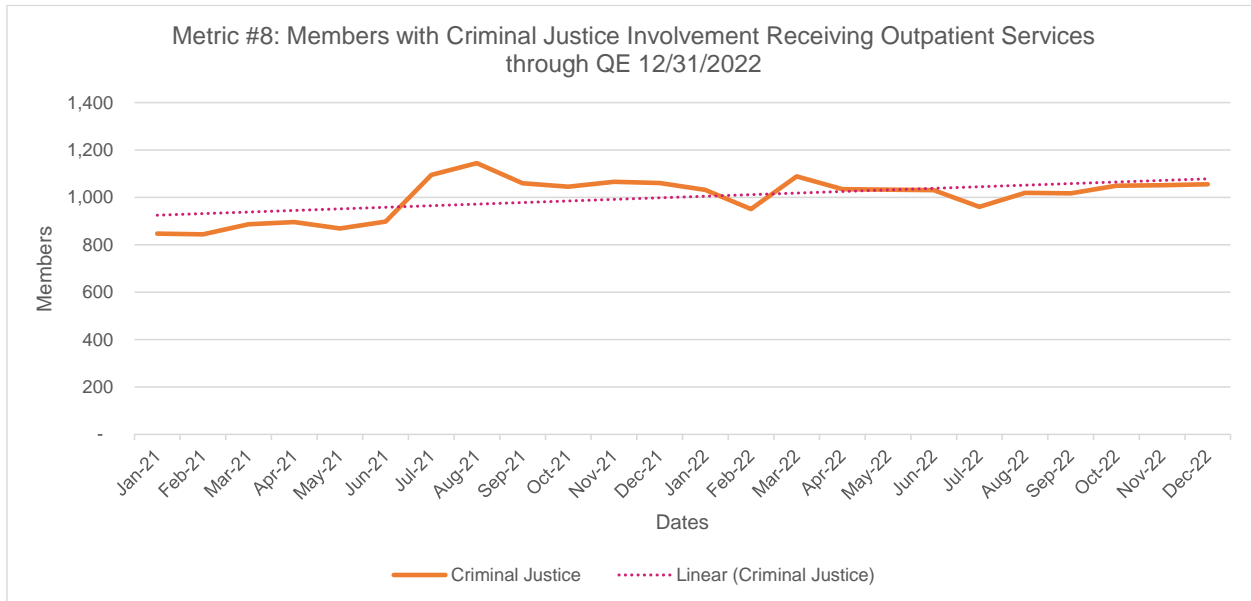
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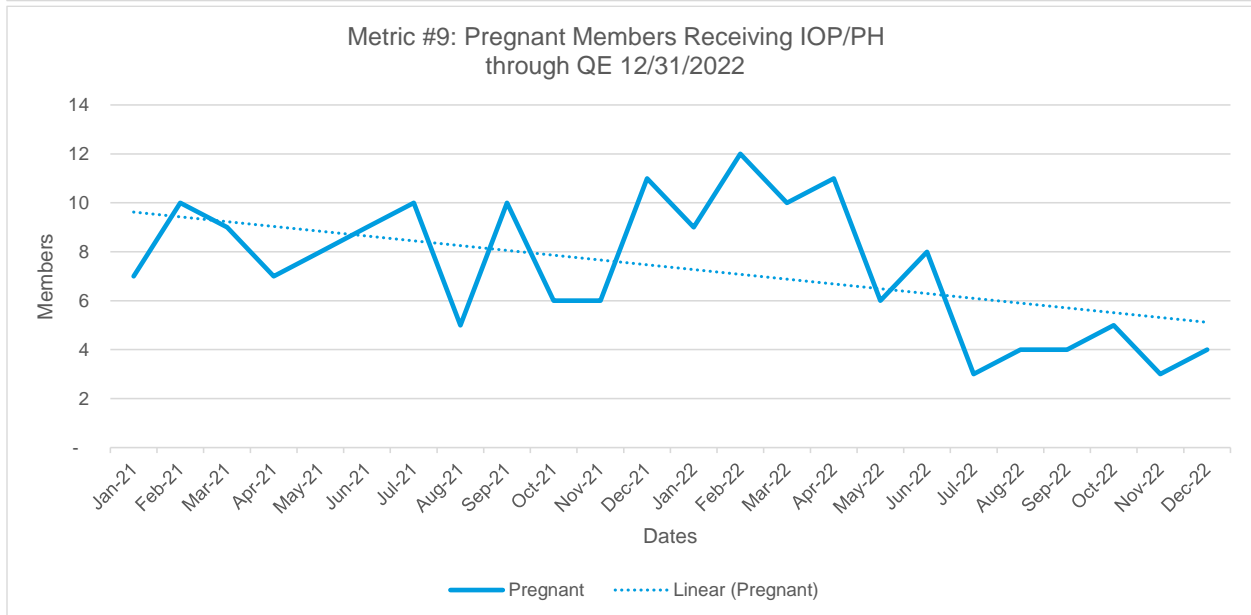
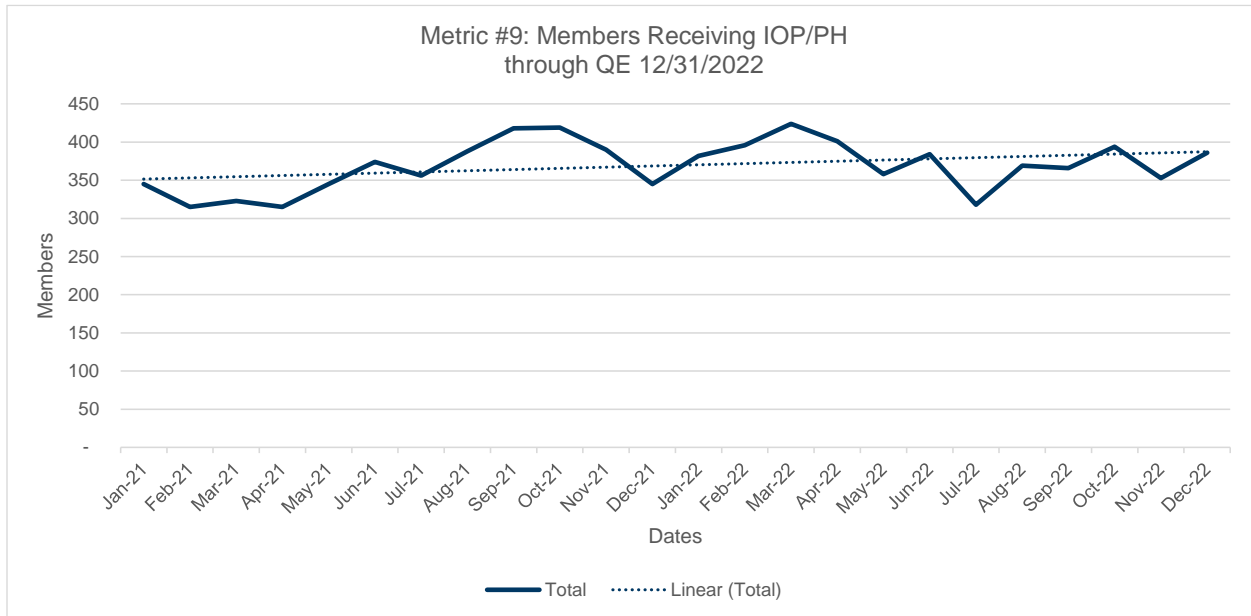


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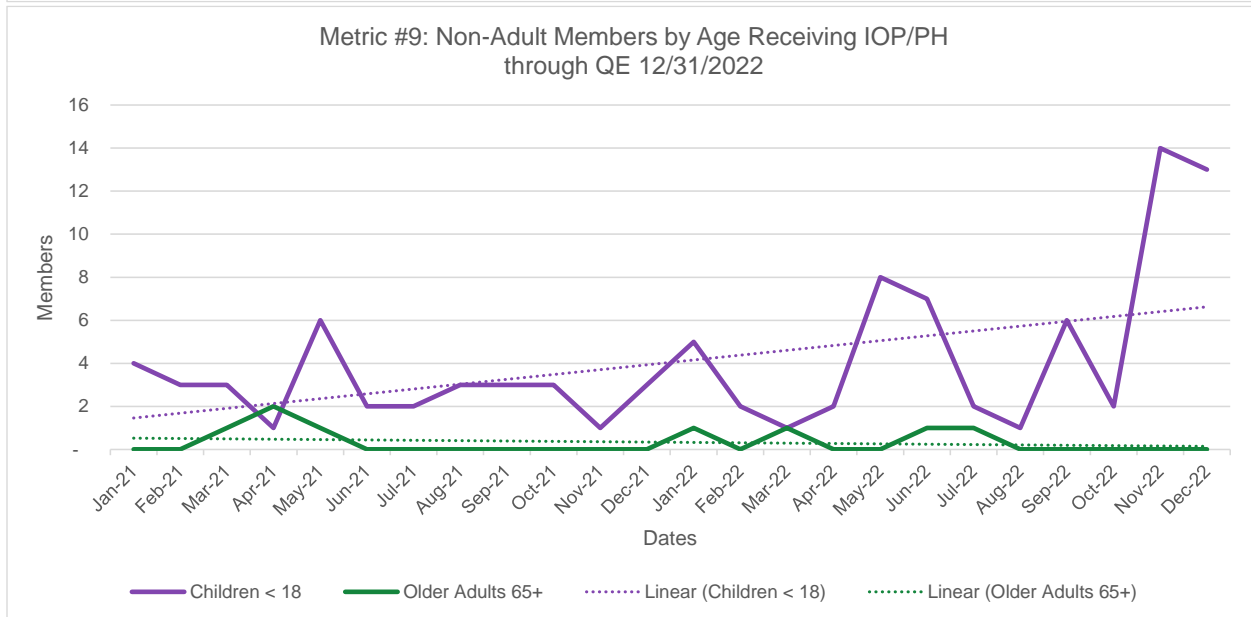
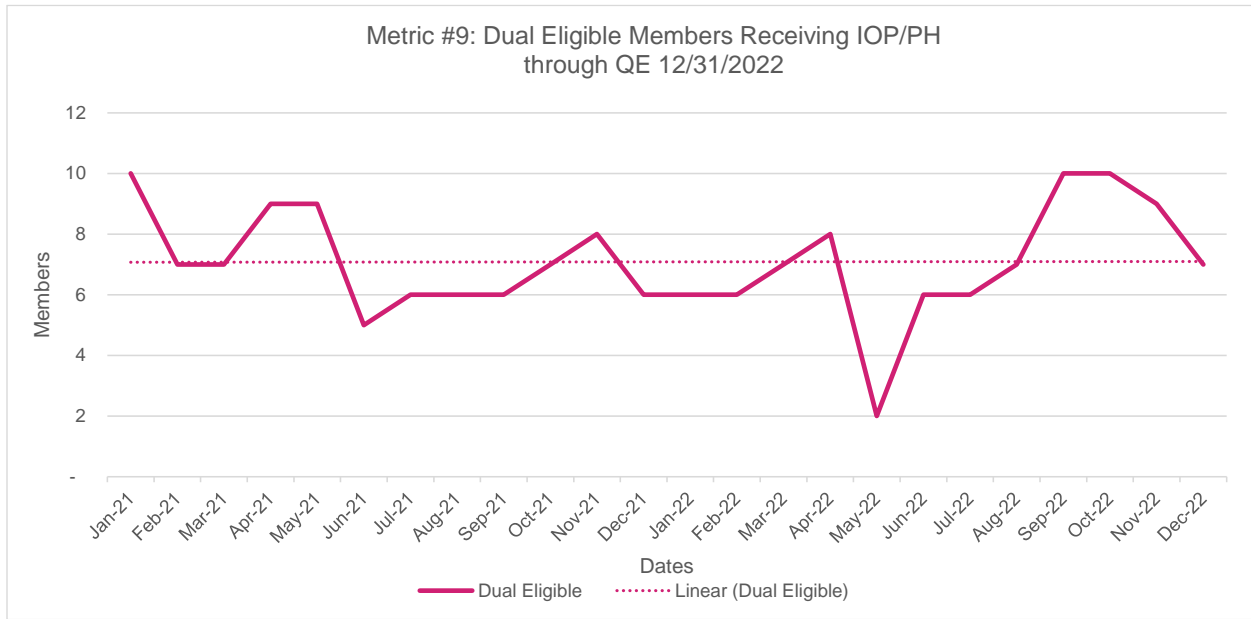




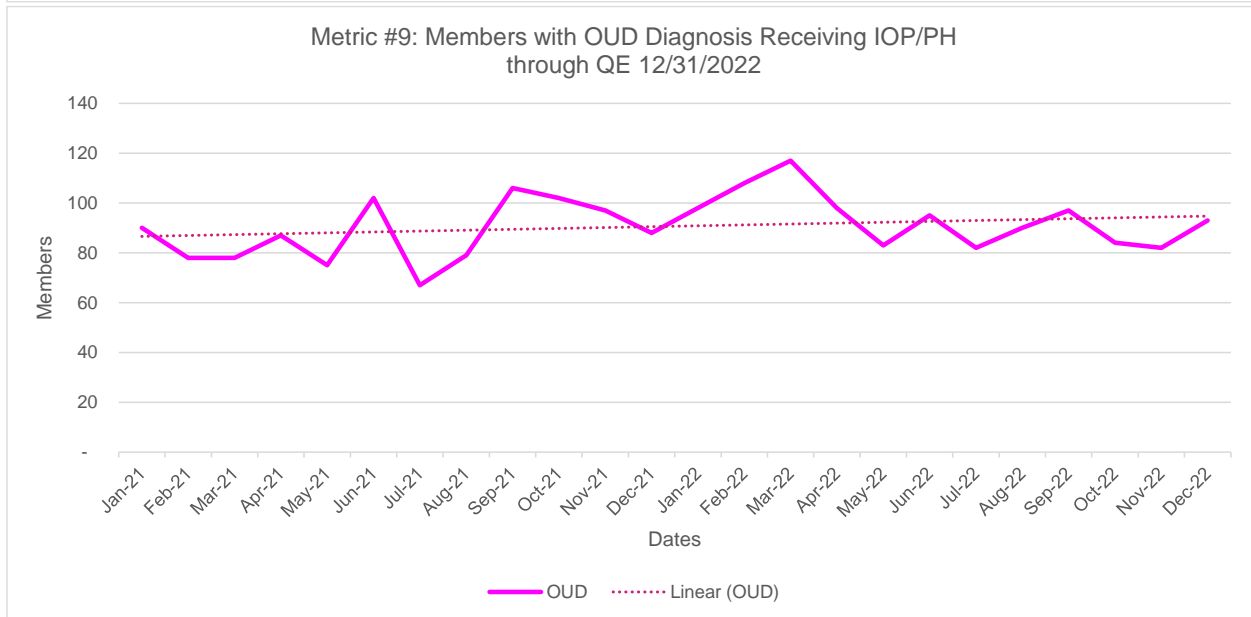
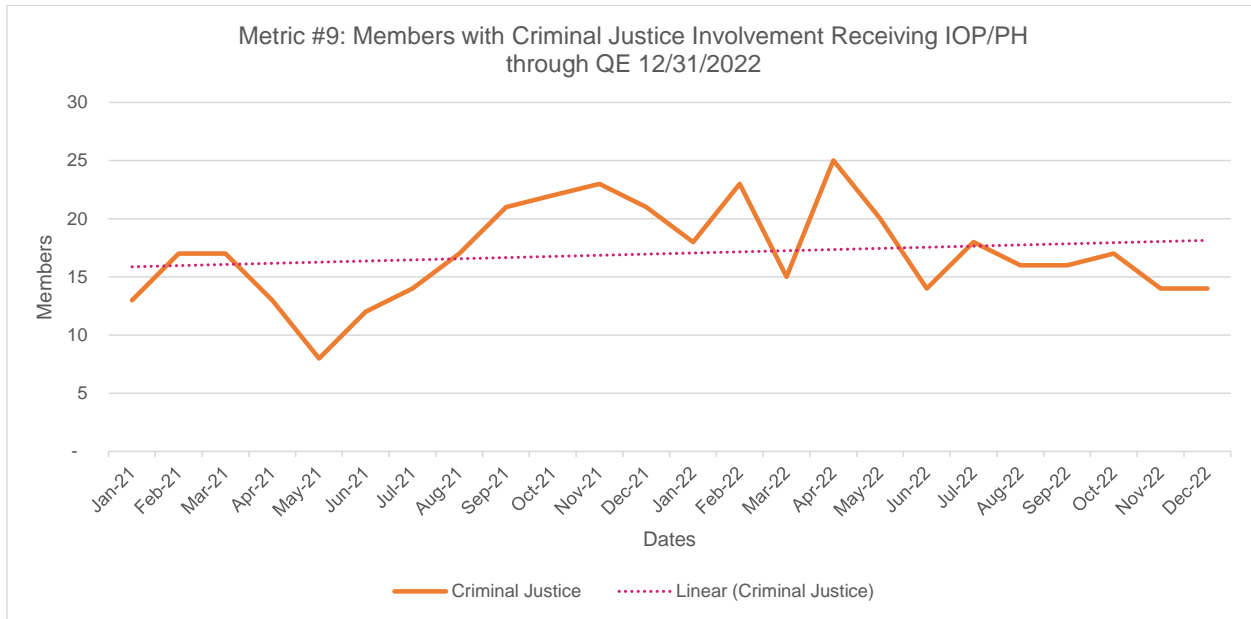
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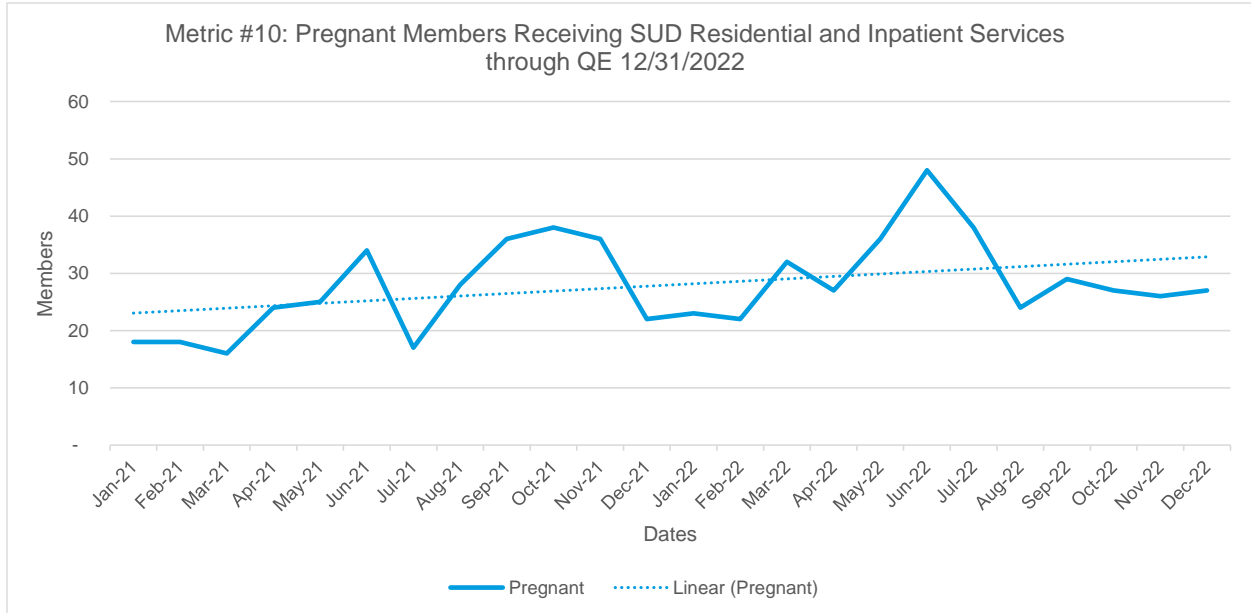
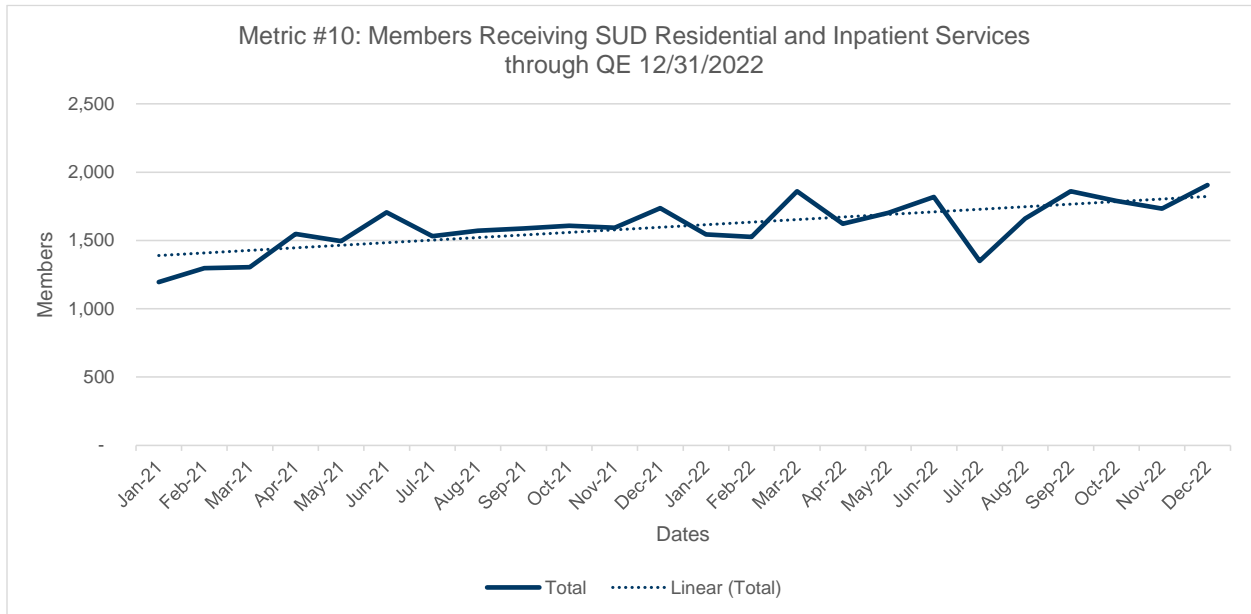
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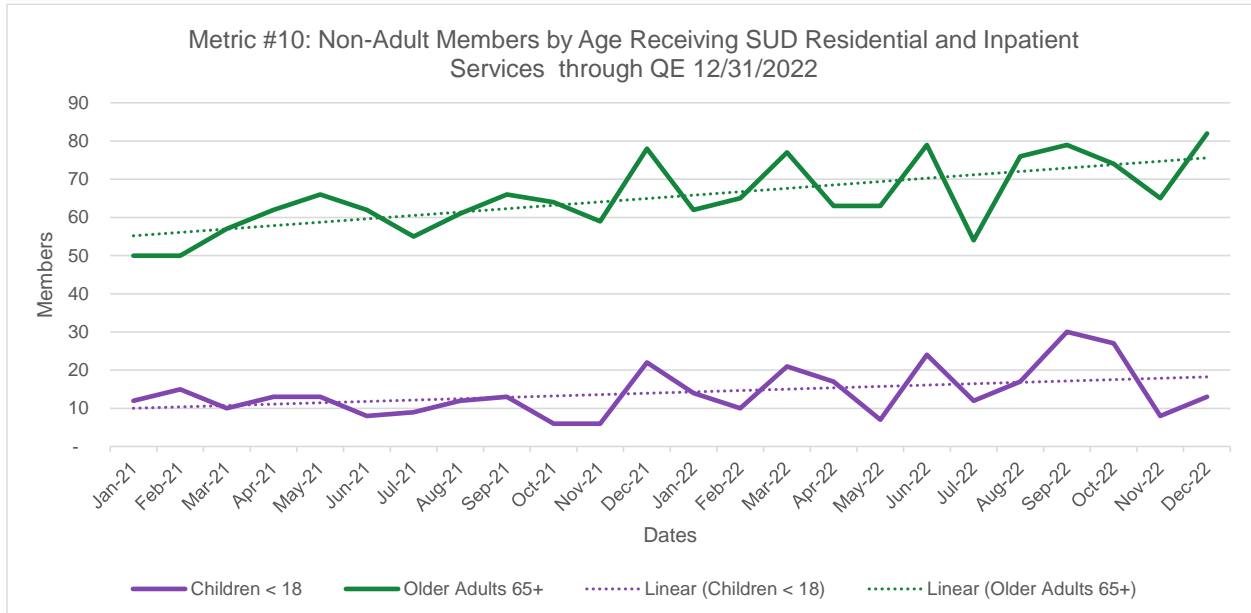
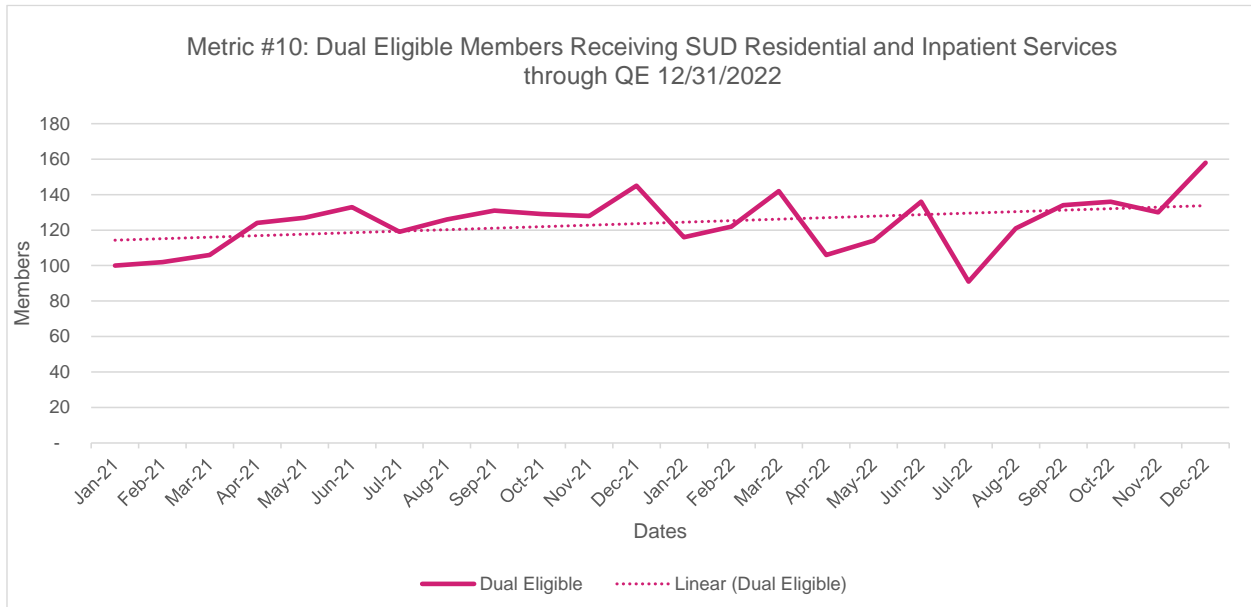
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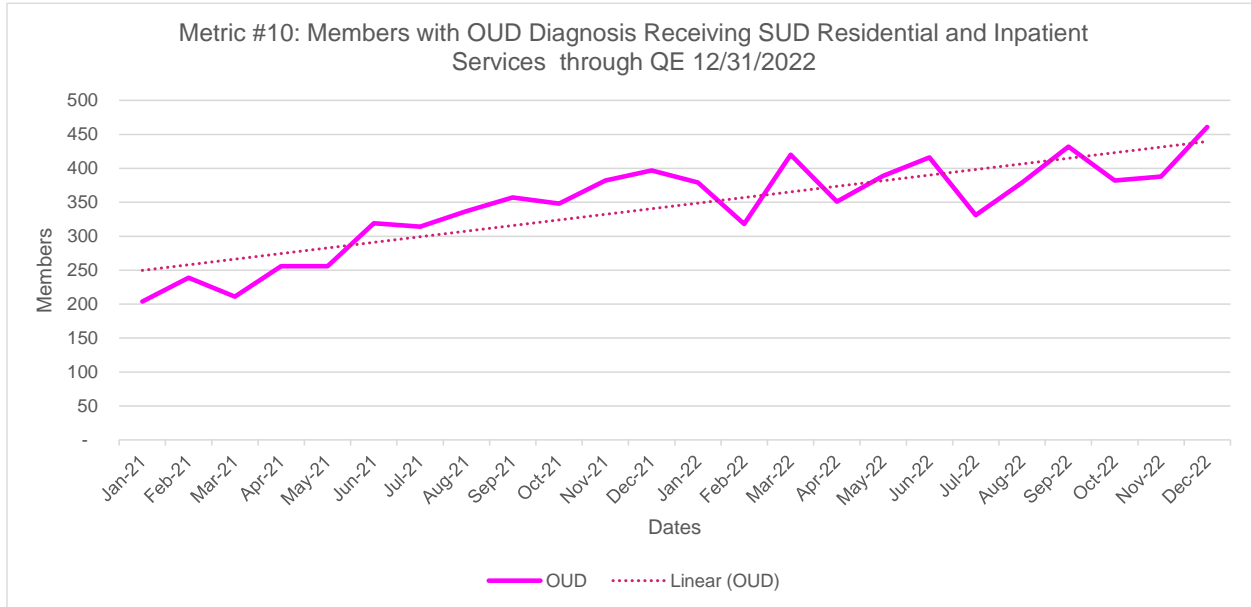
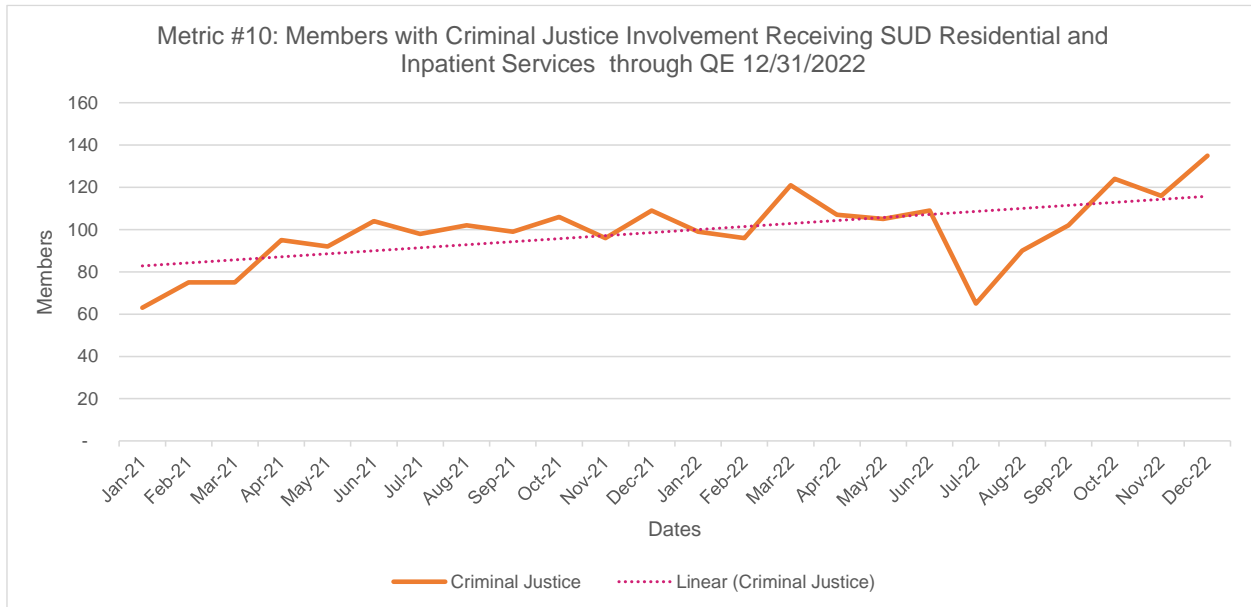
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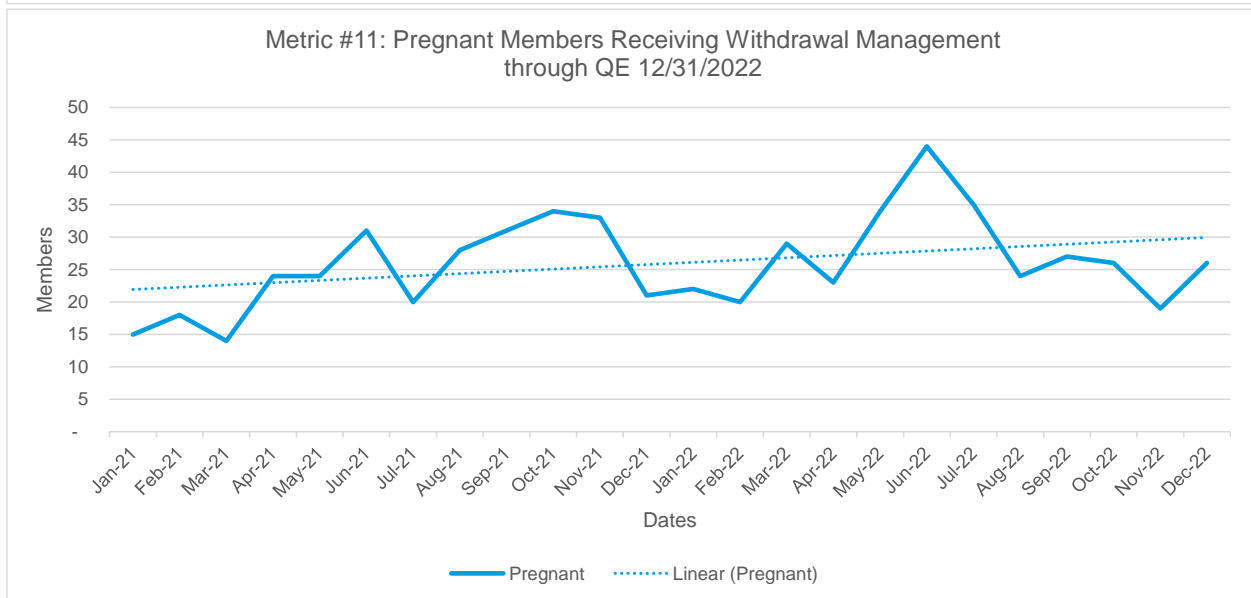
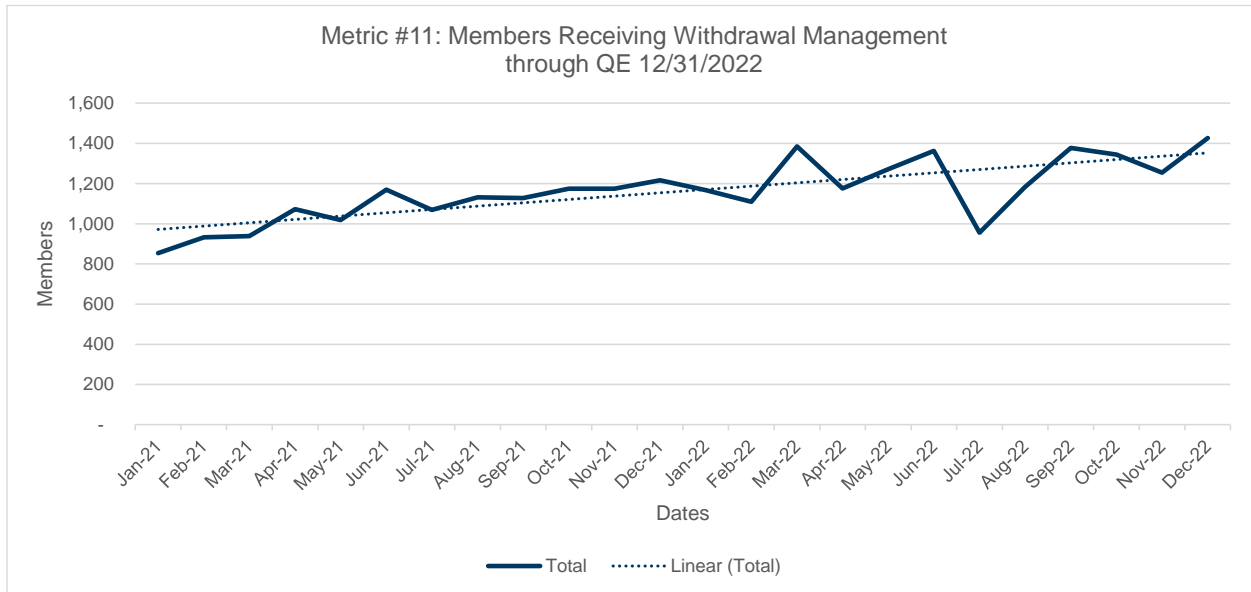
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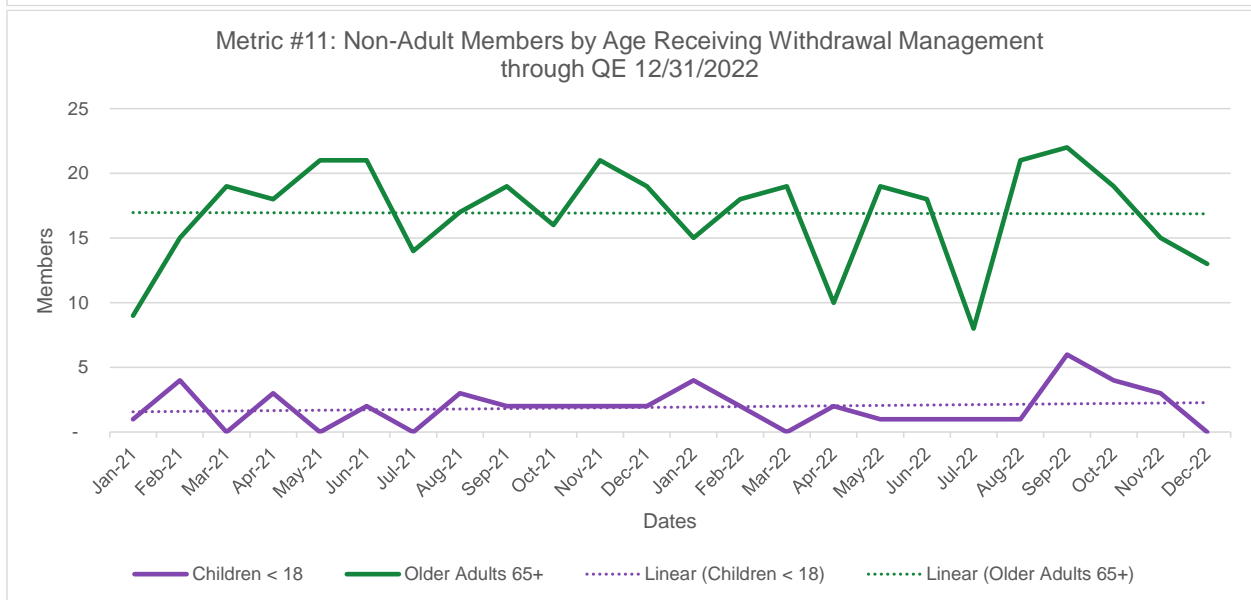
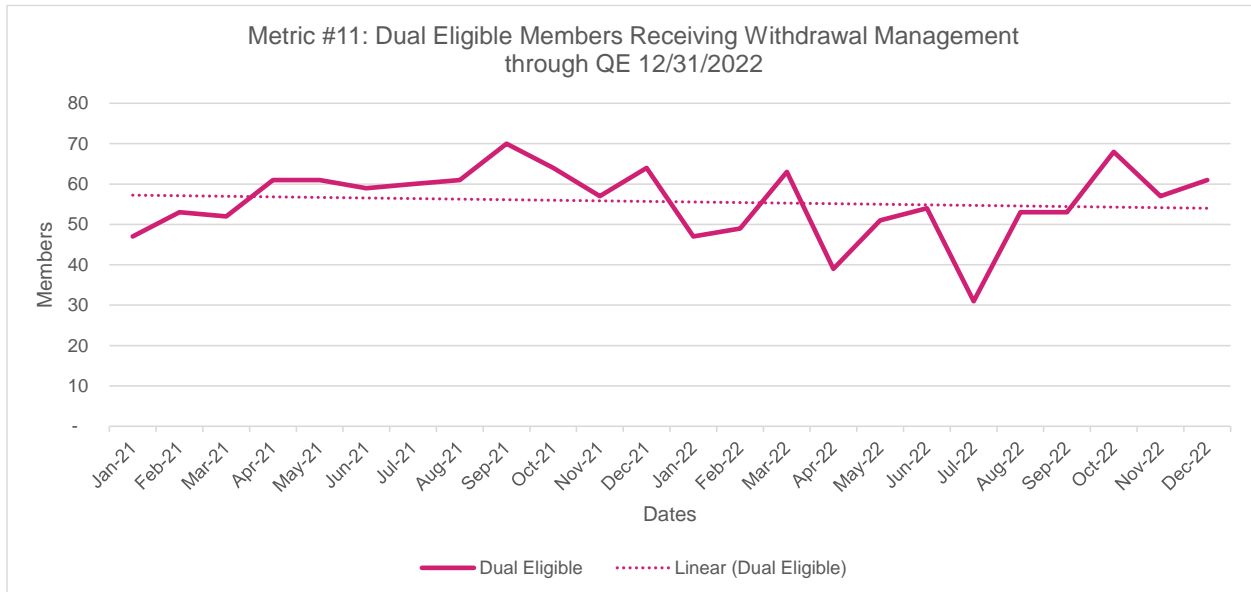
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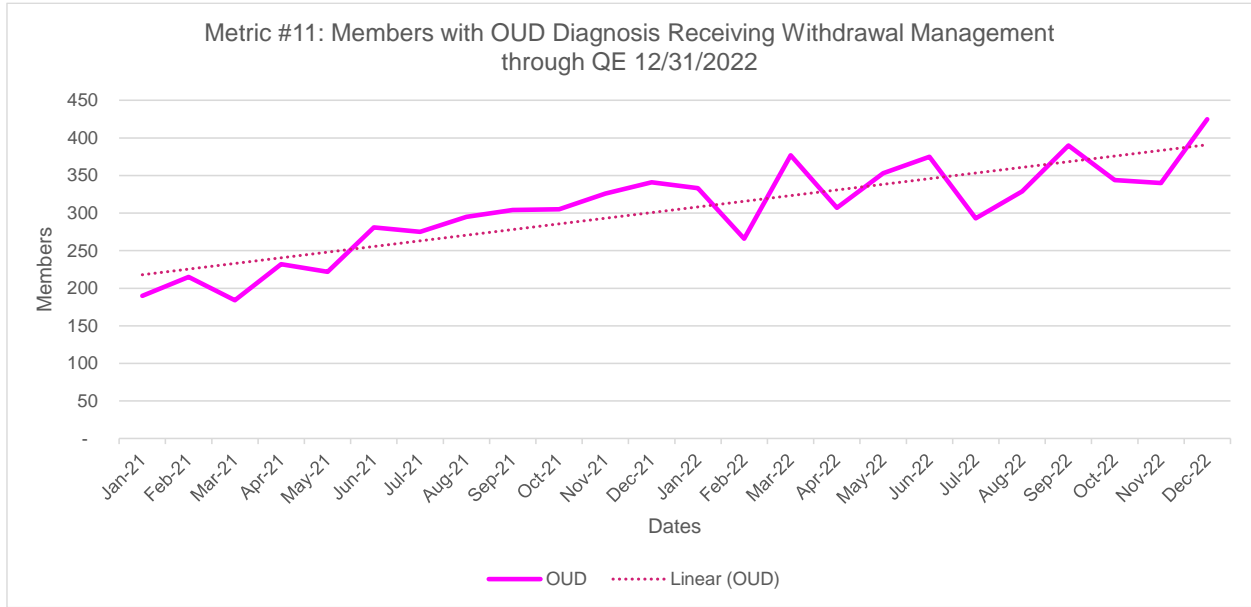
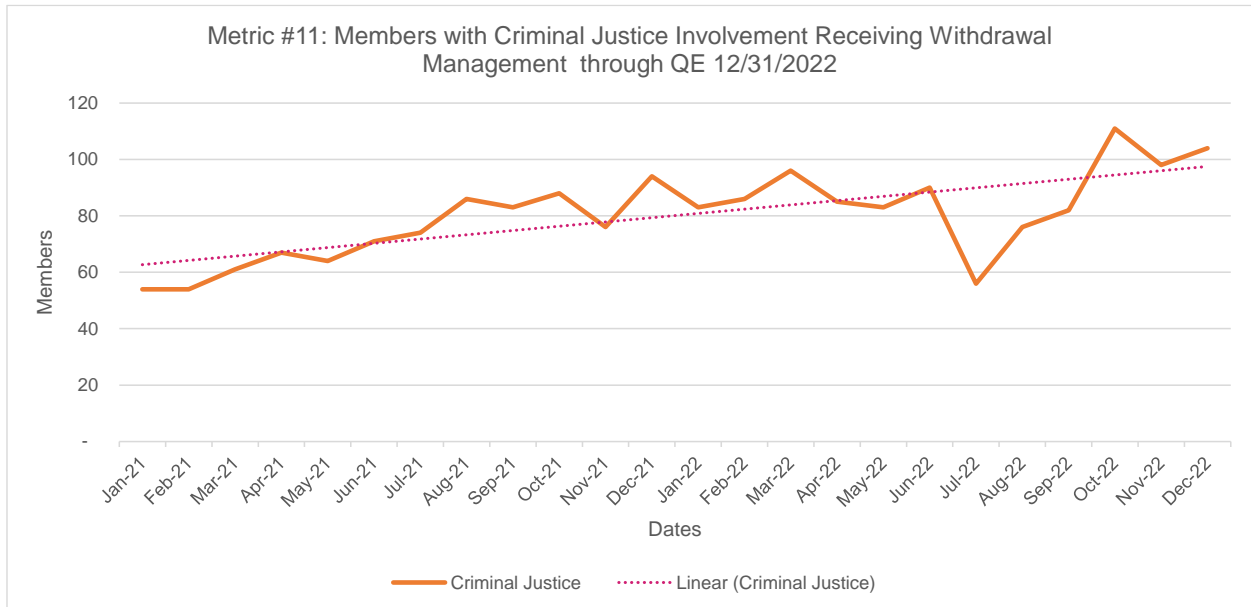


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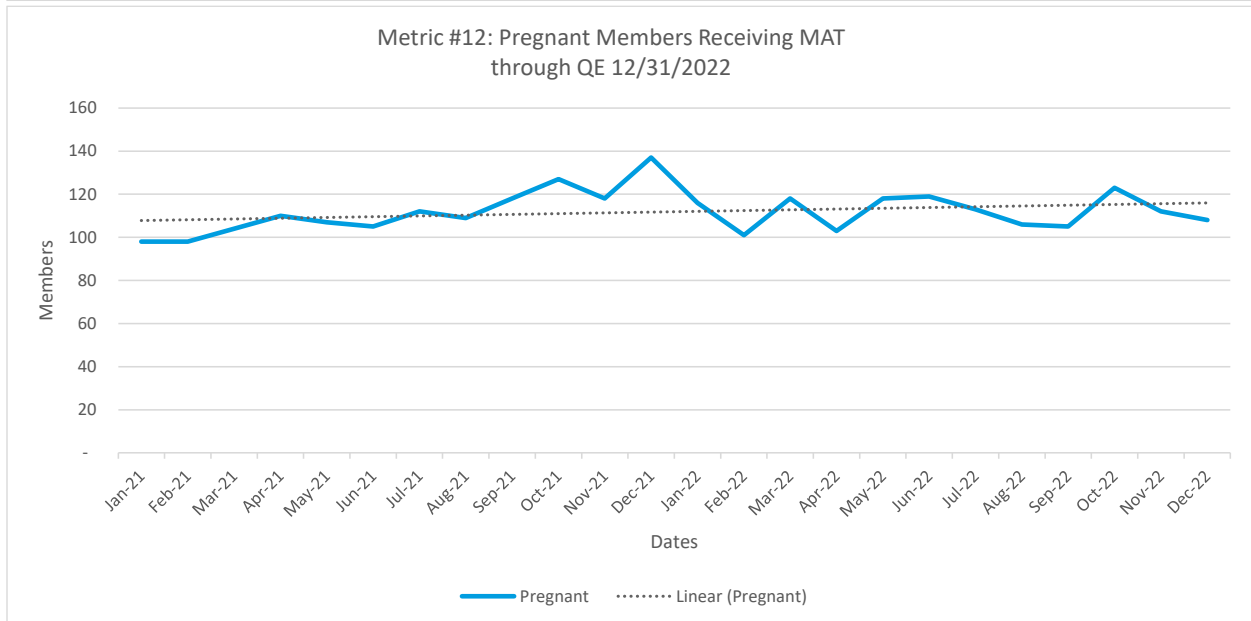
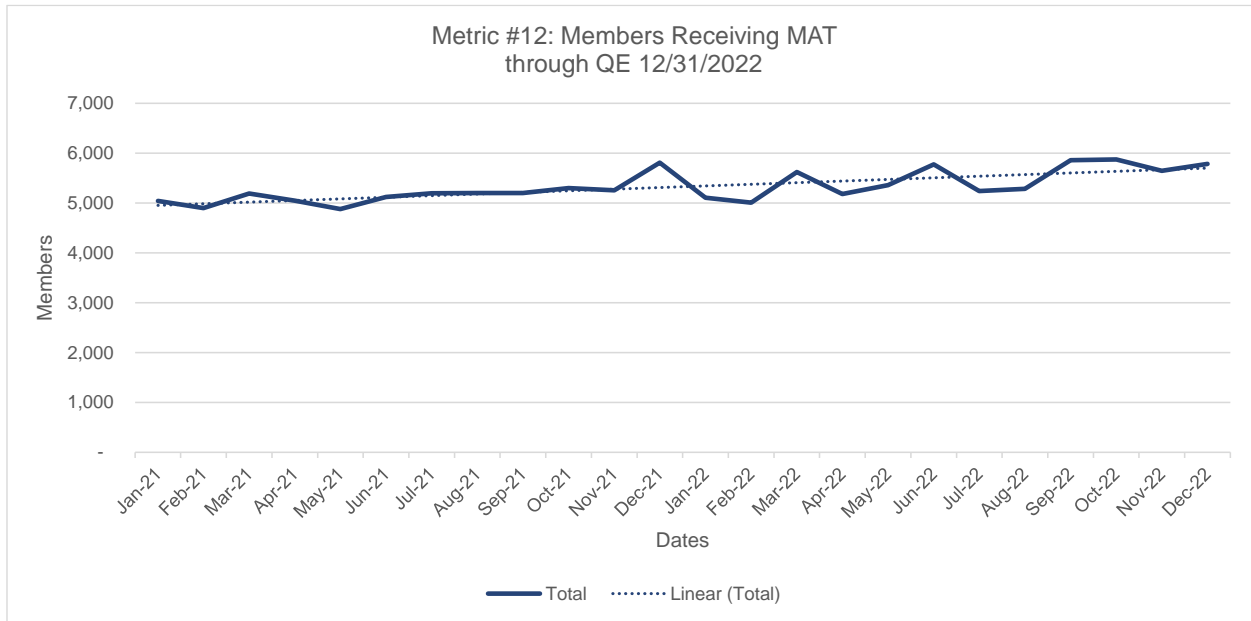




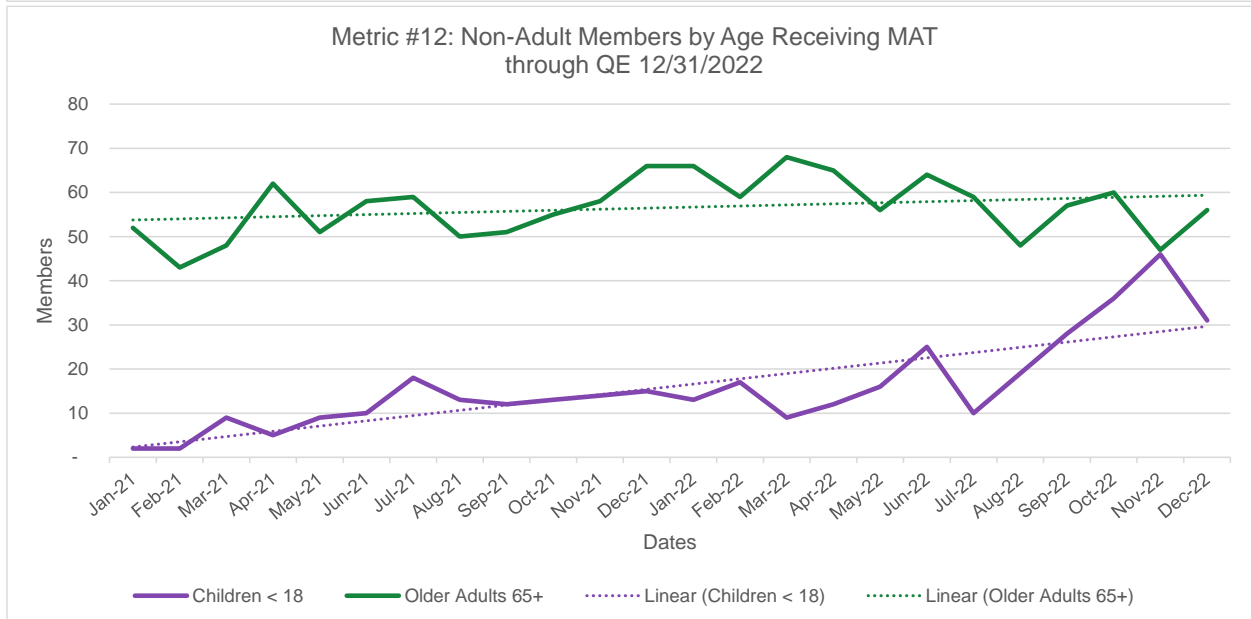
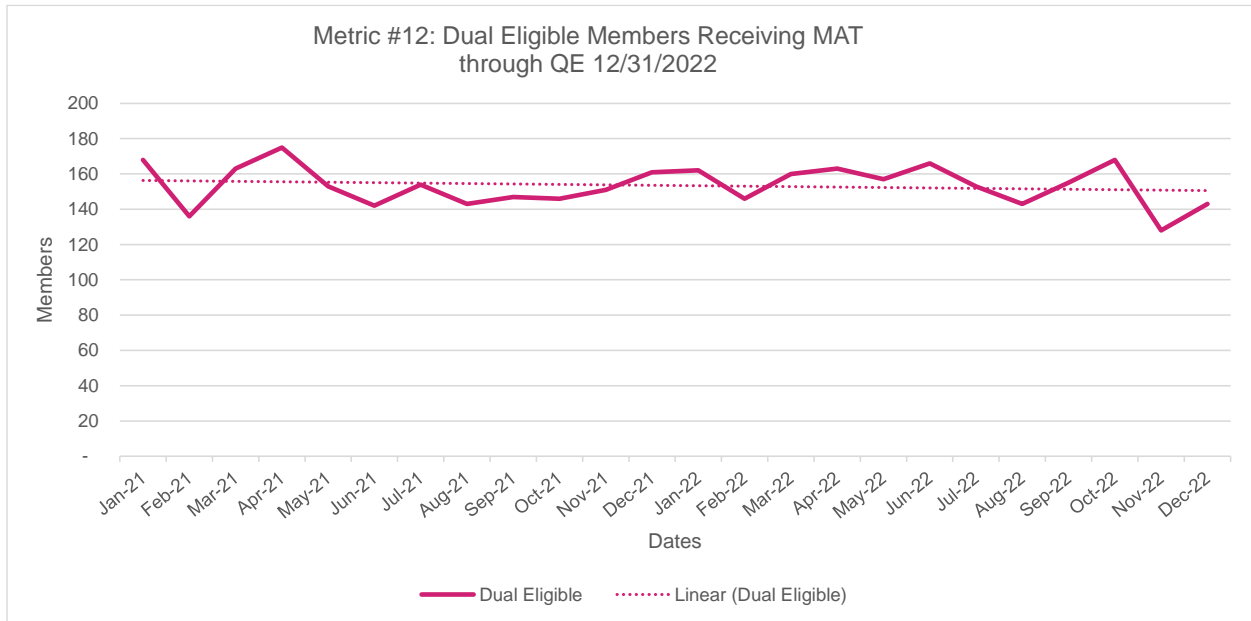
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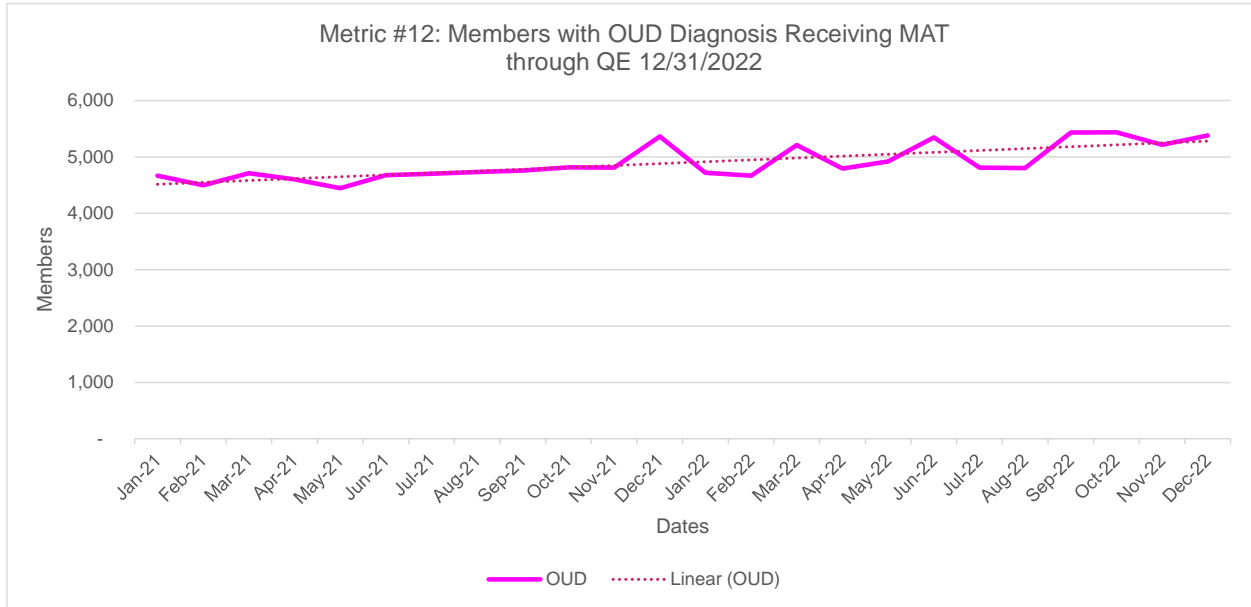
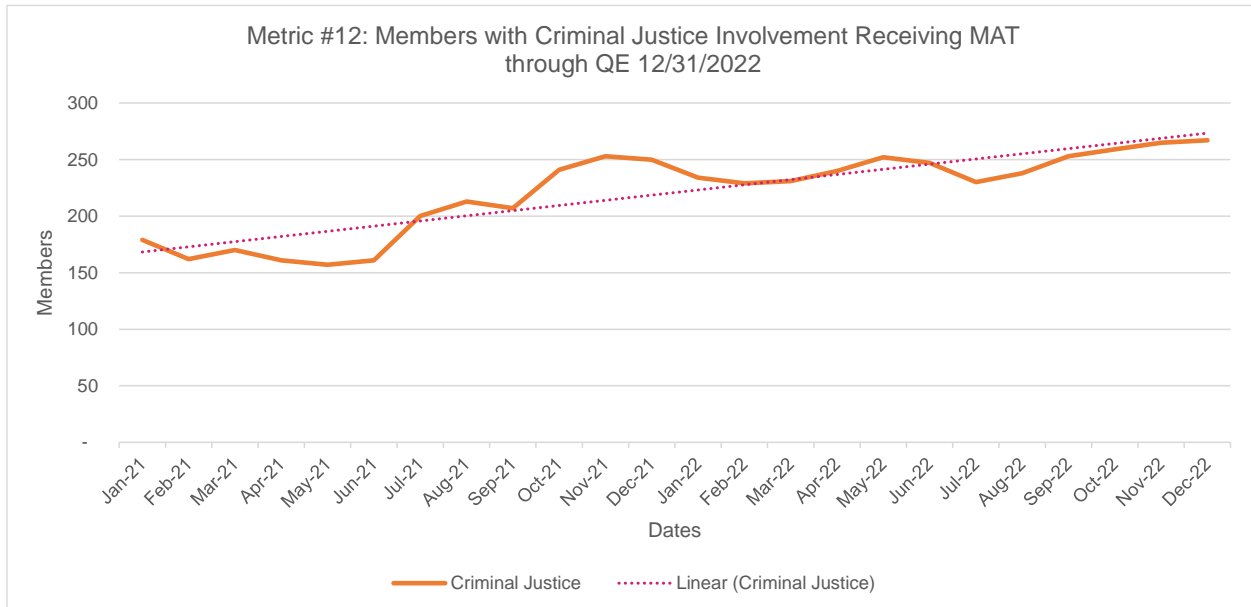
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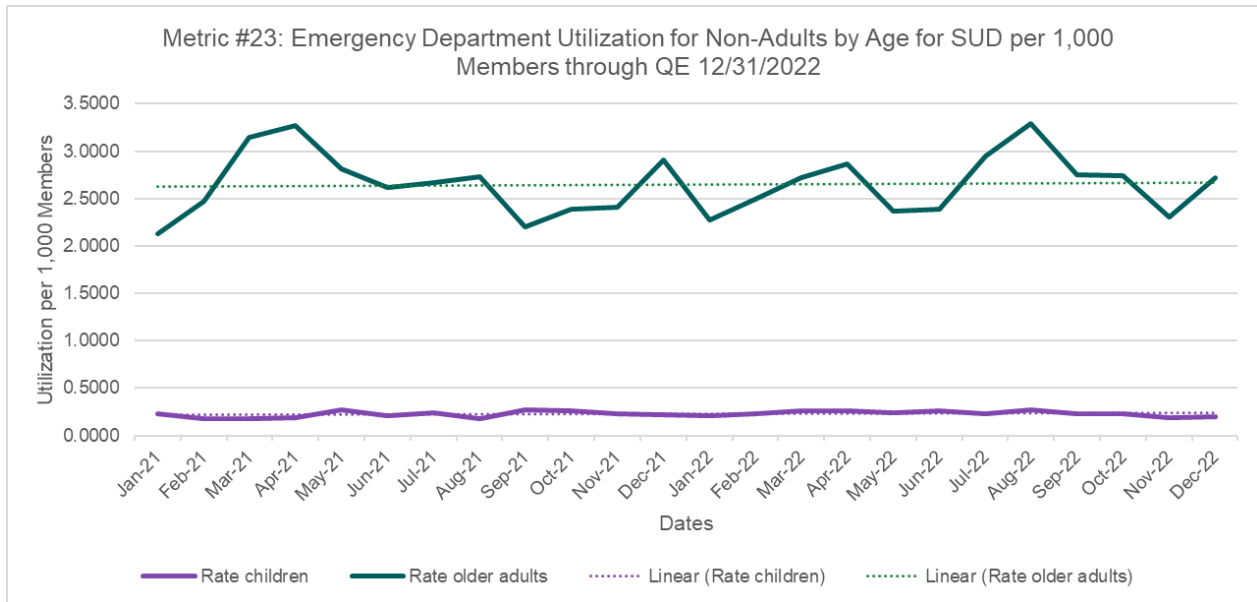
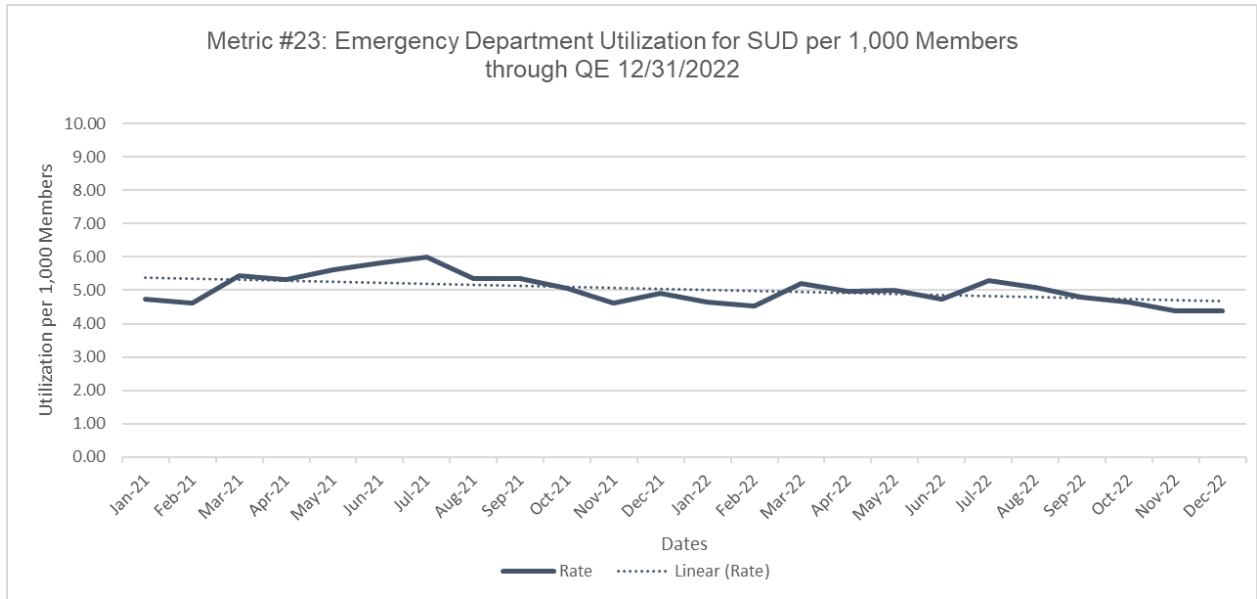
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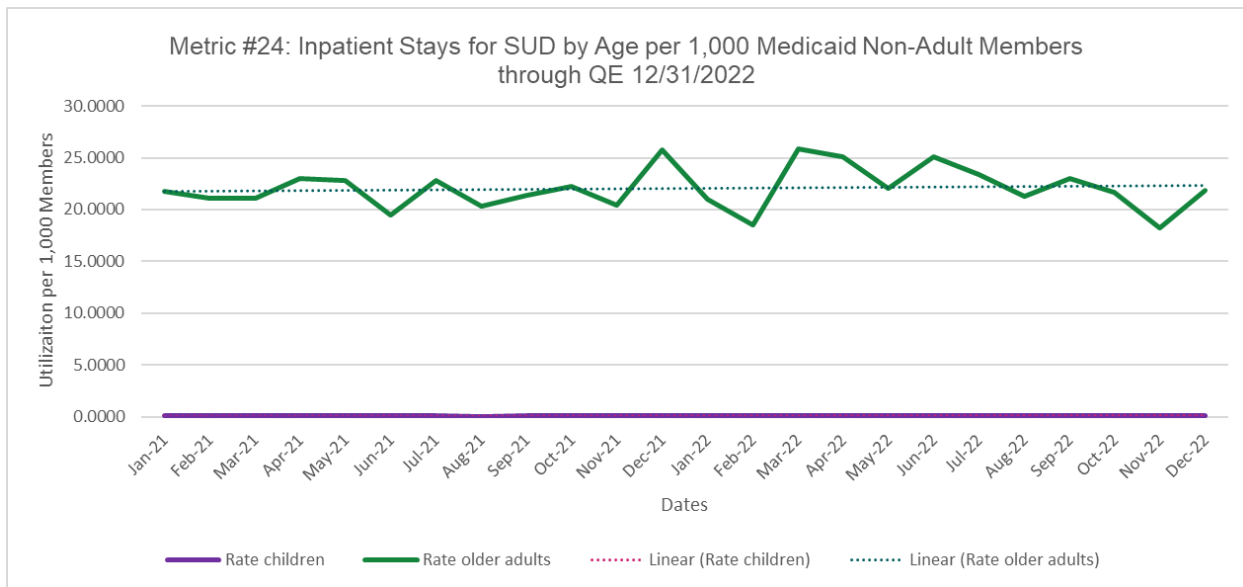
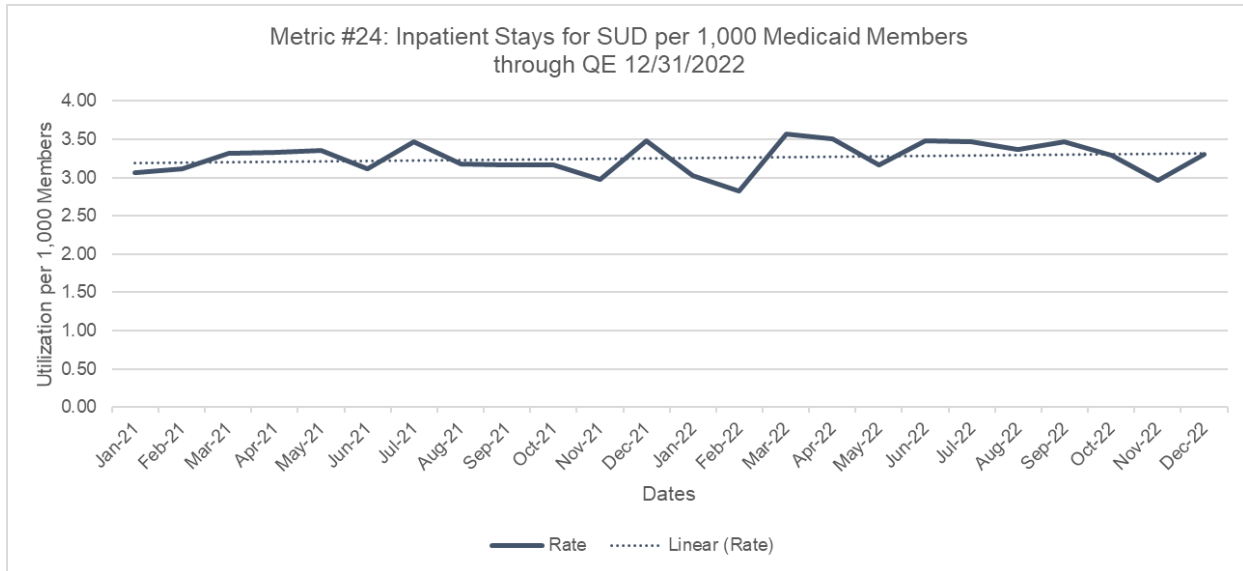
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**3. Annual Metrics**

**SUD health information technology (health IT)**

Questions	Year	Dates	Values
Q1: Total Number of PDMP Users	Year	01/01/2021-12/31/2021	45,230
Q2: Number of Opioid Prescriptions in PDMP	Year	01/01/2021-12/31/2021	2,953,884
Q3: Tracking MAT with Use of Counseling and Behavioral Therapies	Year	01/01/2021-12/31/2021	3,213

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

CY 2019 metrics		Date	Denominator	Numerator	Rate
<p>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:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• 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</li> </ul> <p>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.</p>	Year				
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

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CY 2019 metrics		Date	Denominator	Numerator	Rate
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
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
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
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
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
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
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
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	829	0.0839
• 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	377	0.0382
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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CY 2019 metrics		Date	Denominator	Numerator	Rate
• 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	535	0.2124
• 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	330	0.1310
18	Year	01/01/2021-12/31/2021	18,336	1,649	0.0899
21	Year	01/01/2021-12/31/2021	18,339	2,419	0.1319
22	Year	01/01/2021-12/31/2021	3,036	1,108	0.3650
32	Year	01/01/2021-12/31/2021	74,474	64,047	0.8600

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

2021 DY Metrics reported to CMS DY1Q1 Q4		Dates	Denominator	Numerator	Rates
4	Year	01/01/2021-12/31/2021		81,928	
5	Year	01/01/2021-12/31/2021		652	
13	Year	01/01/2021-12/31/2021		3,121	
14	Year	01/01/2021-12/31/2021		277	
25	Year	01/01/2021-12/31/2021	31,677	5,940	0.1875
26	Year	01/01/2021-12/31/2021		11,069	
	<18		522,941	157	0.3002
	18-64		751,690	5,574	7.4153
	65+		59,199	5,338	90.1704
	OUD		538	538	1000.0000
	No OUD		1,333,292	10,531	7.8985
27	Year	01/01/2021-12/31/2021	1,333,830	11,069	8.2987

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36	Year	01/01/2021- 12/31/2021	131	3,113	23.7634
	OUD		61	1,663	27.2623
	No OUD		70	1,450	20.7143