Opioid Abatement Council Meeting

October 2, 2023

10:00pm – 1:00pm ET

The Mill - ETSU University Advancement Building Johnson City, TN

Opioid Abatement Council Meeting

- Thank you for joining the Council meeting
- We are recording the meeting
- The meeting will begin at 10:00ET

- If you are **Guest**, please turn off your camera and mute yourself
- If you are a **Council member**, please leave your camera on and mute yourself

Introductions & Gratitude

- **Dr. Stephen Loyd** – Chair, Opioid Abatement Council
- **Matt Yancy** – Deputy Commissioner, TDMHSAS

Review & Approval of Minutes

- Dr. Stephen Loyd

Minutes from:

- August 22, 2023

Our Why

- Tammie & Doyle Elkins from Murfreesboro, TN

Ideas for OAC Trust Fund Disbursement

Narcan Distribution

Proposal:

- Work with Meharry Medical College
- Narcan purchase, outreach and distribution
- $7 million

Bed Board/ Bed Matching

Jarrod Koski

Chief Technology Officer / Co-Founder
Addiction Abatement.Org

Jarrod Koski is a seasoned data analyst with a unique blend of experience that spans both military service and complex data-driven projects, particularly in the realm of opioid abatement. As a retired U.S. Army Sniper honored twice with the Bronze Star Medal, Jarrod's dedication to duty is evident. Transitioning his disciplined approach to the corporate world, he has showcased his adeptness in various roles such as Co-Founder of Addiction Abatement.Org, Director of Data and Analytics at Velawcity, Program Manager at Tiger Analytics, and Data and Analytics Lead for Litigation at UNCOMN. Jarrod also serves as a permanent panel member on the National Substance Use Disorder Strategic Advisory Panel (NSUDSAP).

One of Jarrod's significant contributions lies in his work during the Opioid Litigation. He undertook a comprehensive analysis of prescription opioid distribution across the U.S., pinpointing the liability percentages of pharmaceutical companies. He also analyzed billions of electronic health care records to devise robust healthcare damages models. These models were crucial at a state level to quantify the financial ramifications the opioid crisis had on a state. Building on this expertise, Jarrod currently collaborates with a variety of organizations, from state and local governments to non-profits, offering his expertise to assist in combating the opioid epidemic in a data driven way.

System Predictor

Rayford Etherton

Janus Consultants

Founder, The Helios Alliance

At Janus Consultants, Rayford's sole focus since 2017 has been working with experts across the country to understand the causes of the opioid epidemic and how best to abate it. The Janus proprietary evidence-based approach allows one to understand what would have happened but for certain events and to accurately predict the likely success or failure of specified policies and practices

Discussion & Decision Point

- Does the Council wish to fund these initiatives?

Motion
&
Council Vote

Residential Recovery Court – Lisa Tipton

OAC Office Updates

Public Comment Update

Sejal West, Deputy Director

- Ms. West will begin employment on Oct 16
- She has worked at TDMHSAS and in community mental health and substance use disorder centers as both a clinician and a director
- She is currently the Chief Business Development Officer & Senior Vice President of Operations at Volunteer Behavioral Health Care System
- Ms. West will not score any application submitted by Volunteer Behavioral Health Care System

Current tasks & activities

- Responding to questions about the Portal
- Managing the county semi-annual report process
- Preparing for next year's county payments
- Managing the SmartSimple Portal and Community Grant process
- Training OAC members on Portal
- Reviewing resumes & interviewing candidates
- Preparing for OAC meetings, meeting with Chair
- Writing Annual Report

Upcoming tasks & activities

- Onboarding and training of new staff
- Managing the scoring process
- Scoring applications
- Preparing for next year’s county payments
- Compiling the county semi-annual reports

Opioid Abatement Trust Fund

- Each meeting, the OAC Office will share the current monthly Opioid Abatement Trust Fund Statement
- Please note that the information is current to date the statement was created

August Opioid Abatement Trust Fund Balance

Description	Cash
McKinsey Deposit 3.31.2021	12,613,210.59
McKinsey Deposit 4.19.2022	651,080.54
Distributor Settlement 8.12.2022 - AmerisourceBergen Drug Corp., McKesson Corp., Cardinal Health, Inc. and AmerisourceBergen Corp.	14,914,621.88
Distributor Settlement 10.17.2022 - AmerisourceBergen Drug Corp., McKesson Corp., Cardinal Health, Inc. and AmerisourceBergen Corp.	15,674,540.42
Distributor Settlement 11.22.2022 - Janssen	59,709,854.06
Distributor Settlement 2.09.2023 - Mallinckrodt	4,112,865.67
McKinsey Deposit 4.03.2023	651,080.54
Distributor Settlement 8.16.23 - AmerisourceBergen Drug Corp., McKesson Corp., Cardinal Health, Inc. and AmerisourceBergen Corp.	15,674,540.42
FY 22 Interest Earned	27,134.50
FY 23 Interest Earned	2,847,782.95
County Distributions	(31,425,152.77
Departmental Expenditures Reimbursed by Opioid Abatement Fund	(303,780.93
Totals	**95,147,777.87**

Equity in Treasurer Cash	95,147,777.87
Accounts Payable to Counties	0.00
Opioid Abatement_LIAB	0.00
33918 Departmental Expenses Not Reimbursed by Opioid Abatement Fund	(103,770.47)
Net Cash Available	**95,044,007.40**

Quarterly meetings specifics

- Quarterly meetings in each grand region
- There have been no fees for meeting spaces
- Lunches and travel are the primary expenses (outside of staff compensation)

Date of Council Meeting	Location
July 8, 2022	Nashville, TN
September 30, 2022	Knoxville, TN
December 5, 2022	Jackson, TN
February 27, 2023	Franklin, TN
March 9, 2023	Virtual
April 3, 2023	Virtual
May 24, 2023	Virtual
June 23, 2023	Jackson, TN
August 22, 2023	Franklin, TN

Expenses

Quarter	Total Expenses	Lunches for OAC meetings	OAC member travel
3rd Quarter 2022	$17,286	n/a	$752
4th Quarter 2022	$63,738	$756 (2 lunches)	$1,017
1st Quarter 2023	$111,012	$516	$7,565
2nd Quarter 2023	$111,416	$456	$3,060
3rd Quarter 2023	$143,029	$380	n/a

Discussion & Decision

- Does the Council wish for the Executive Director and the Council Office to continue with the current operations?

Motion
&
Council Vote

OAC Legal Support

Attorney General's Office Legal Support

- The Attorney General's Office is offering to advise the OAC on high-profile, complex legal issues or issues that the Chair and/or Executive Director believe would be best addressed by the AG's Office:

Michael Stahl
Senior Assistant Attorney General, Public Interest Division
Phone: 615-253-5463
Email: michael.stahl@ag.tn.gov

Andrew Coulam
Deputy Attorney General, Public Interest Division
Phone: 615-741-1868
Email: andrew.coulam@ag.tn.gov

Options for Day-to-Day Legal Support

In consultation with TDMHSAS Division of General Counsel and the Attorney General's Office, there are two possible options for day-to-day legal support for the Opioid Abatement Council:

- A TDMHSAS DGC Attorney is assigned to the OAC and will work in the OAC's best interest during that time,

OR

- OAC may hire an attorney who reports to the OAC Executive Director

To note: The OAC Office does not see the need for an FTE Attorney position

Discussion & Decision

- Which option for OAC Legal Support does the Council approve?

Motion
&
Council Vote

Community Grants

Update by the numbers as of 9/29/2023

Number of organizations registered	255
Number of draft applications	260
Number of views of the training video	546
Number of submitted applications	10
Number of technical assistance inquiries	55
Number of technical issues	1 system limit on selected zip codes; this was resolved by adding Counties as an option

Council Member training on Portal

- Almost all Council members are trained
- Trainings are going very well
- Any additional training needs from the Council members?

Grantees Payments

- Questions and details to discussion
  - Shall the payments be quarterly?
  - Will the payments be at the beginning of the quarter or end of the time-period
  - Will payments for capital projects be in a single lump sum or the same schedule as other payment?

Discussion & Decision Point

- Does the Council approve the payments on a quarterly basis? And at the beginning or end of the quarter?

Motion
&
Council Vote

Data Vendor Proposal - SAS

Tennessee Opioid Abatement Council

Overview of SAS and Proposal to the OAC

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Our Vision

Empower government agencies to make informed decisions and take actions to protect and improve the lives of the people they serve.

ANALYTICS IN GOVERNMENT PROGRAMS

These examples span all organizational missions

Health care and public health
Control costs and support healthier communities with collaborative access to unified health care data.

Justice, law enforcement and public safety
Integrate data across law enforcement agencies and other critical service areas to keep citizens safe.

Social services
Identify the programs that benefit individuals or populations the most.

Economy
Improve economic resilience and growth by understanding emerging economic and workforce trends.

Defense and national security
Modernize and accelerate data-driven decisions to enhance situational awareness and operational readiness.

Environment
Meet environmental goals and support cleaner communities by analyzing important metrics.

Education
Give students and educators the best possible chance to succeed.

Infrastructure
Analyze and invest in critical transportation infrastructure.

How to get it right with an enterprise analytics strategy

Five steps to success in implementing an enterprise analytics strategy.

1. Start with a clear and achievable objective
2. Govern and protect the data
3. Prepare the data for analytics
4. Embrace multiple analytics techniques
5. Operationalize analytics and establish a data culture

SAS Presence in Tennessee Government

Government Finance
Department of Revenue

Public Safety and Criminal Justice
TBI, Department of Corrections, TWRA

Infrastructure and Transportation
TDOT, TDEC

Administration & Oversight
F&A, Comptroller, TACIR

Health Care
TennCare, TDOH, MH&SAS

Social Services
Labor & Workforce, DCS, TCCY, TCAD

Education
DOE (TVAAS)

Smart Cities

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Meet the SAS Substance Use Disorder Response Team

SAS has assembled multidisciplinary expertise to organize our approach with government partners to make better data driven decisions to save lives.

Josh Morgan
National Director of Behavioral Health and Clinical Psychologist

Shaun Barry
Global Director of Fraud

Meg Schaeffer
National Public Health Advisor and Epidemiologist

Matthew Clements
Public Safety SME and Law Enforcement Veteran

Joseph Dunlap
PDMP Analytical Consultant and Data Scientist

Ann Cutrell
Informatics Industry Consultant and Pharmacist

Savera Tanwir
Solution Architect and Data Scientist

Steve Kearney
Global Medical Director and Pharmacist

Lisa Lucas
National Informatics Director and Project Lead for Health Equity

Esmeralda Stuk
Customer Advisory Manager and Data Scientist

Brett Davis
Medicaid Industry Consultant, 1115 Waiver and Care Coordination

Kevin Harrington
Policy Advisor Law Enforcement and Tx for Incarcerated Population

John Correllus
Enterprise Analytics Consultant for Data Sharing and Integration

Sarah Newton
State Government Health Policy Manager

John Brocklebank
Customer Success Ambassador and Data Scientist

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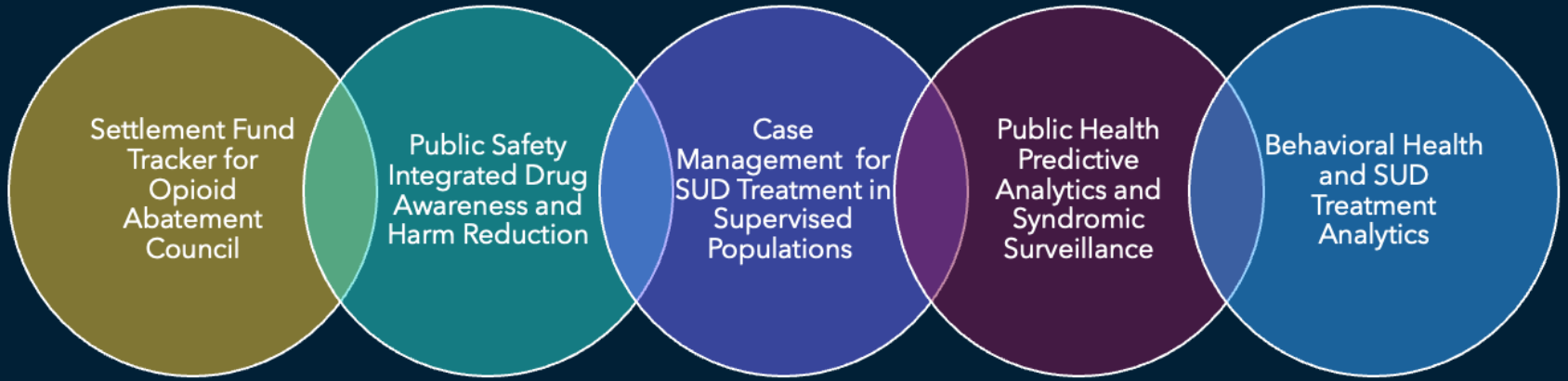
SAS Substance Use Disorder Management Solution

SAS Viya Platform



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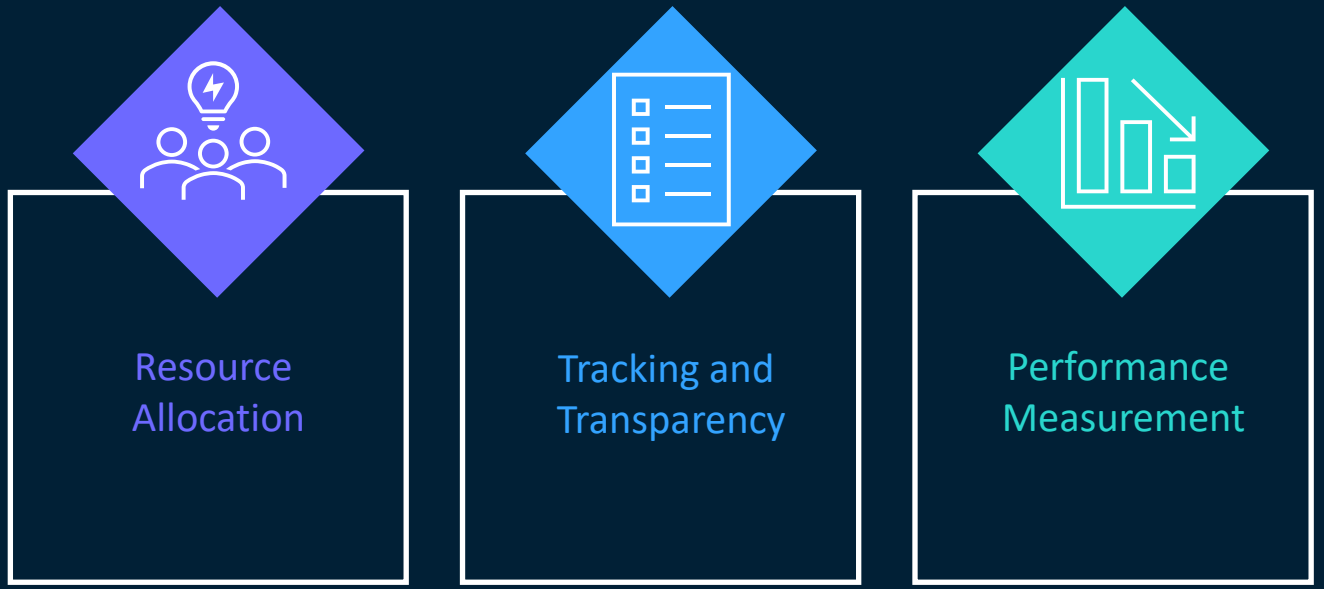
Opioid Abatement Council

Proposal Synopsis



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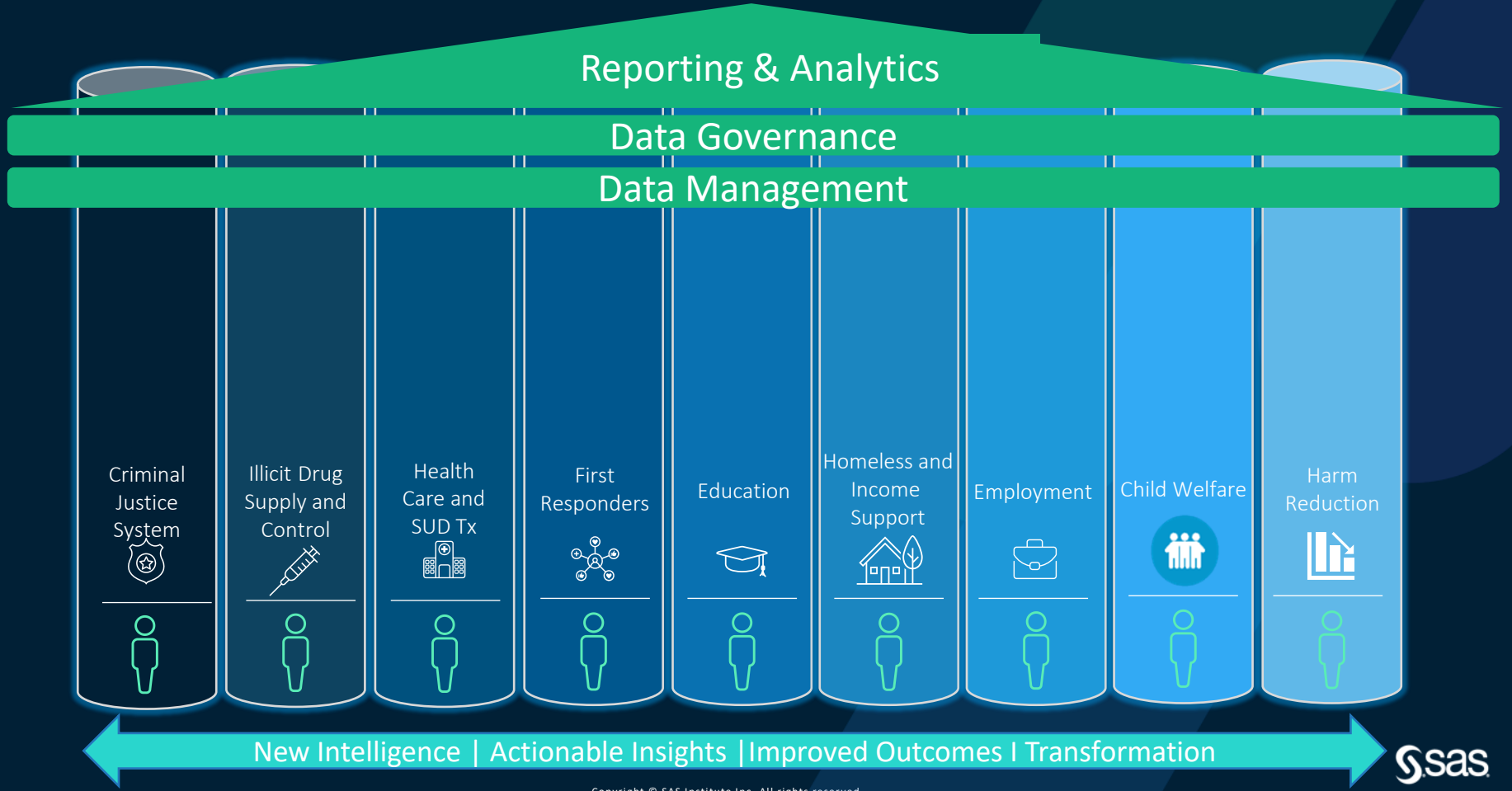
Data Sources in the Opioid Ecosystem Necessary for Advanced Analytics



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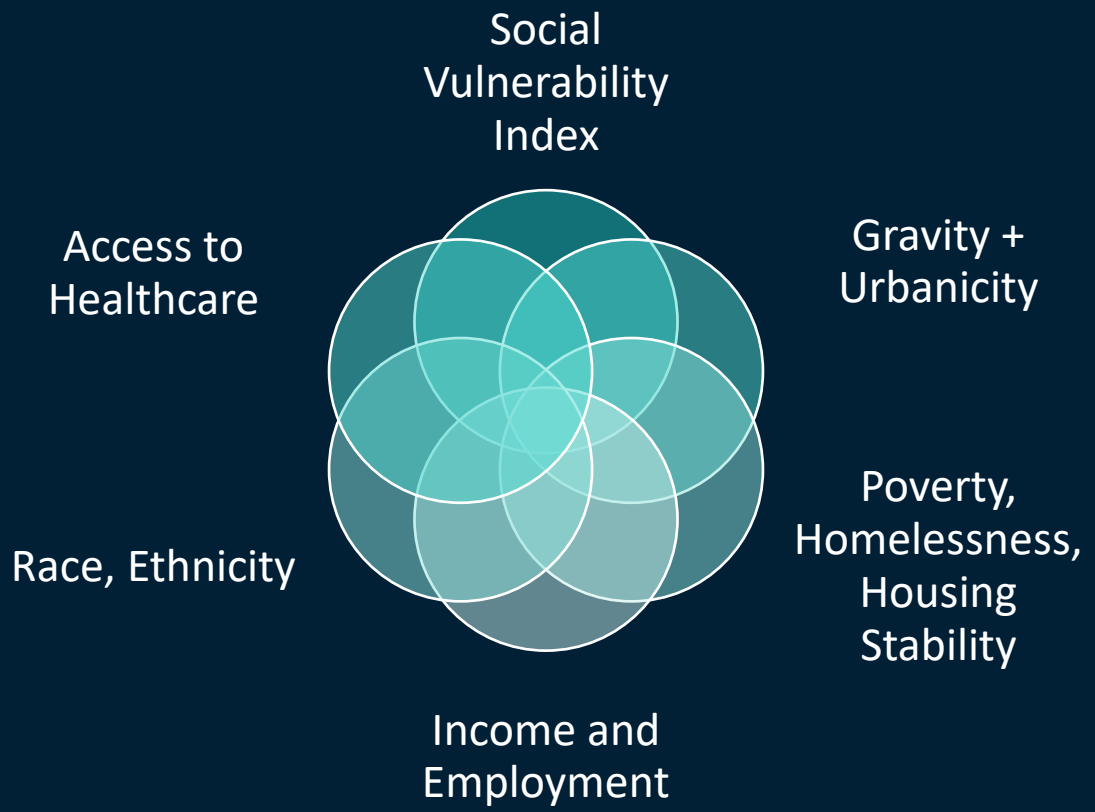
The SAS Data Model – Predictive Model



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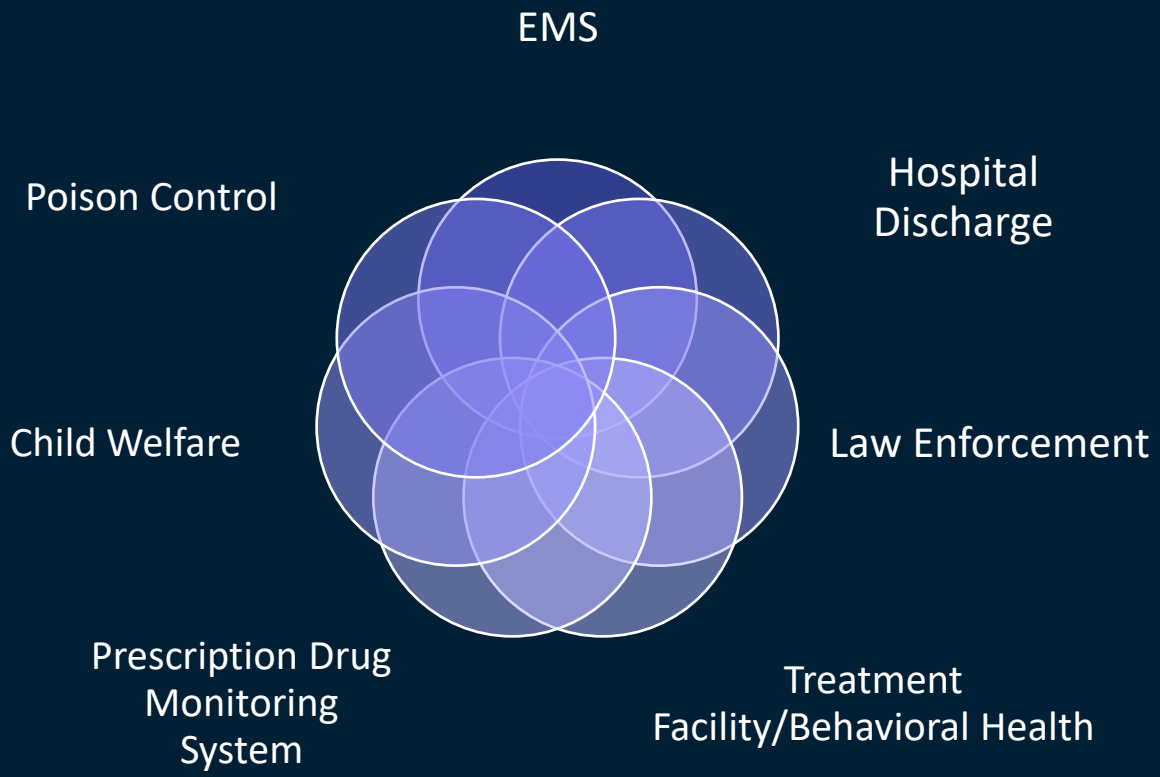
The SAS Data Model – Baseline Measures



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Overdose Predictive Model for Resource Allocation

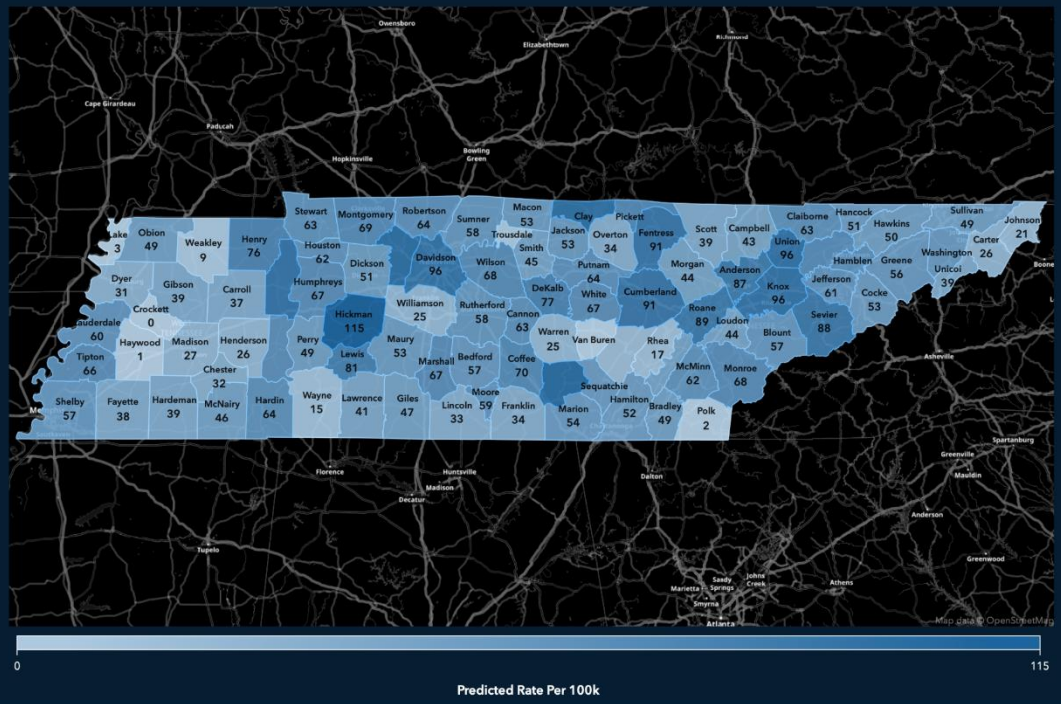
Opioid Regression Model Output by State and County

County Ranking | Actual vs Predicted (scatter)

County	Year	Predicted Deaths	L80	U80	Predicted Rate Per 100k
Davidson	2023	672	660.96	682.87	96
Shelby	2023	536	525.42	547.33	57
Knox	2023	455	443.88	465.79	96
Rutherford	2023	197	186.05	207.97	58
Hamilton	2023	193	181.72	203.64	52
Montgomery	2023	147	135.61	157.52	69
Sumner	2023	113	101.65	123.57	58
Wilson	2023	101	90.29	112.20	68
Sevier	2023	88	76.90	98.82	88
Sullivan	2023	78	67.04	88.95	49
Blount	2023	77	65.82	87.74	57
Washington	2023	73	62.04	83.95	56
Anderson	2023	67	55.61	77.53	87
Williamson	2023	61	49.93	71.85	25
Cumberland	2023	55	44.42	66.34	91
Bradley	2023	53	42.11	64.03	49
Maury	2023	52	41.20	63.12	53
Putnam	2023	51	40.40	62.31	64
Roane	2023	47	36.35	58.26	89
Robertson	2023	46	35.50	57.42	64
Hamblen	2023	42	31.45	53.36	65
Cheatham	2023	41	30.38	52.05	101
Tipton	2023	41	29.94	51.85	66
Coffee	2023	40	28.82	50.73	70
Greene	2023	39	27.79	49.70	56
Jefferson	2023	33	22.43	44.35	61
McMinn	2023	33	22.30	44.22	62
Monroe	2023	32	20.84	42.76	68
Hickman	2023	29	18.19	40.11	115
Bedford	2023	29	17.90	39.16	57
Hawkins	2023	28	17.24	39.16	50
Dickson	2023	28	17.04	38.95	51

Predicted Death Rate by County | Predicted Deaths by County

Predicted Deathrate by County



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Baseline Metrics and Outcome Reporting Example

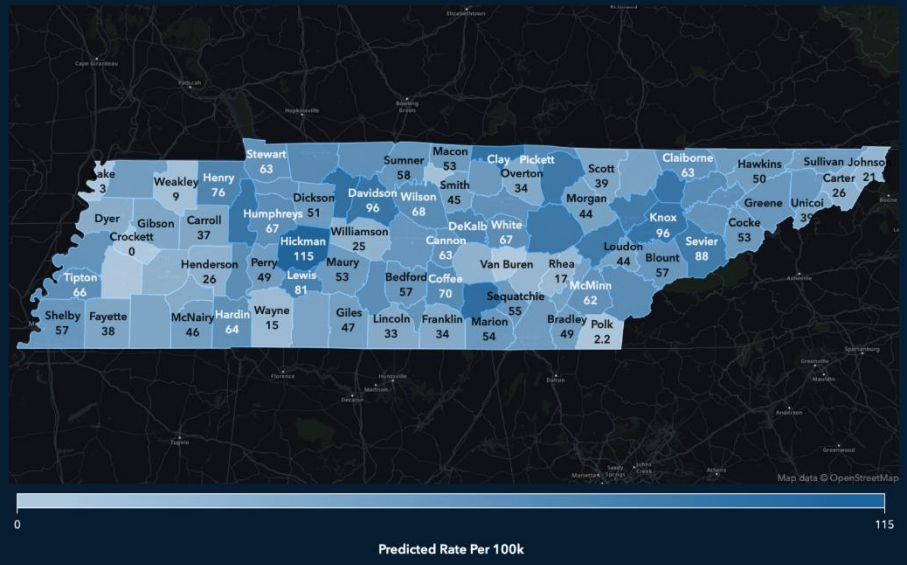
Baseline Metrics

State and county-level data for tracking outcomes over time

County Selection ▾ | Indicator Category ▾ | Year Selection ▾

State	COUNTY	Indicator	Year	EST_Rate_ct
Tennessee	Anderson	AdultSubstanceAbuseBeds	2018	0
			2019	0
			2020	0
			2021	0
			2022	0
		AlcoholConfirmedMotorVehicleTrafficCrashes	2018	21
			2019	21
			2020	10
			2021	10
			2022	10
		AlcoholConfirmedMotorVehicleTrafficCrashFatalities	2018	0
			2019	0
			2020	0
			2021	0
			2022	0
		AlcoholConfirmedMotorVehicleTrafficCrashInjuries	2018	10
			2019	15
			2020	5
			2021	5
			2022	5
		AllDrugNon-fatalOverdoseEmergencyDepartmentVisits	2018	139
			2019	134
			2020	186
			2021	134
			2022	134

Predicted Rate Per 100k by County



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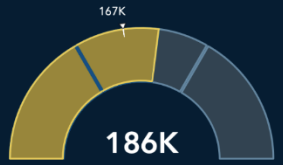
Predictive Models Enable Goal-Seeking Scenario Dials

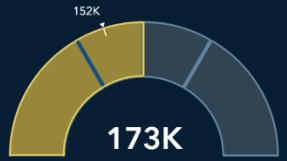
Tennessee Insights

Dispensing, hepatitis C, treatment programs, jailed population

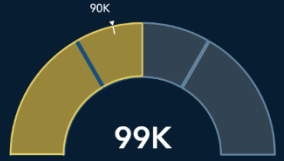
Reduction in **Benzodiazopine RX** Needed to Achieve 5% Reduction in Overdose Deaths - Davidson County



Reduction in **Persons Living in Poverty** Needed to Achieve 5% Reduction in Overdose Deaths - Davidson County



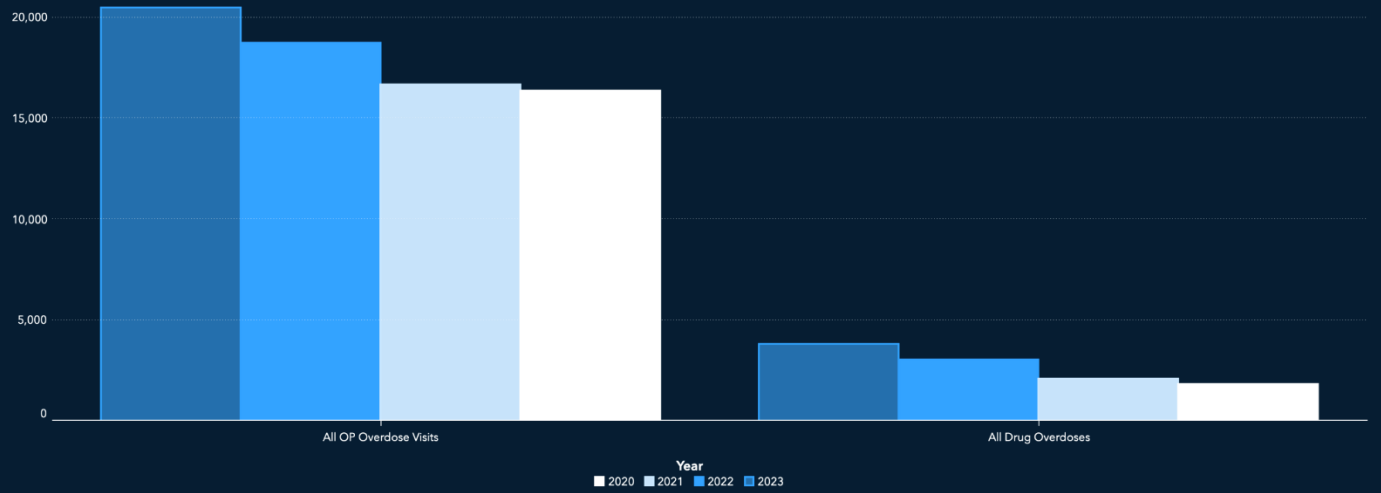
Reduction in **Prescriptions of Opioids for Pain** Needed to Achieve 5% Reduction in Overdose Deaths - Davidson County



Drug and opioid impact TN | Communicable disease impact TN | Opioid dispensing and OD rate TN | Treatment programs TN | Total jail population TN

- [x] All Drug Overdoses
- [x] All OP Overdose Visits
- [ ] Benzodiaz RX Ct
- [ ] Ct of Opioids Prescribed for Pain
- [ ] Patients Prescribed Opioids for Pain
- [ ] Predicted Death Rate 100k
- [ ] Predicted Deaths

The data show a reduction in healthcare utilization for hospitalization and ED use for overdose, regardless of opioid or all drugs. However, overdose deaths have significantly increased with a higher proportion attributed to opioids.



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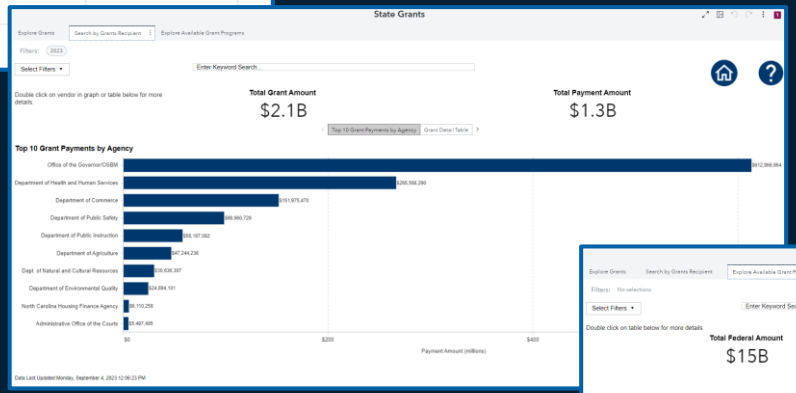
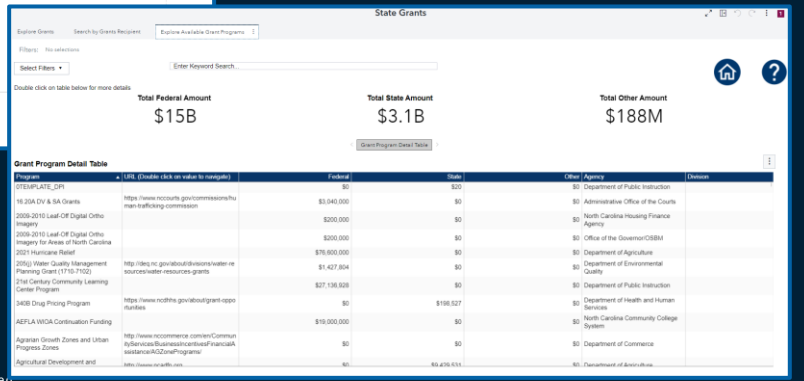
Tracking and Transparency





Provide grant tracking by Council metrics

- Program Categories/sub-categories
- Geography
- Grant Recipient

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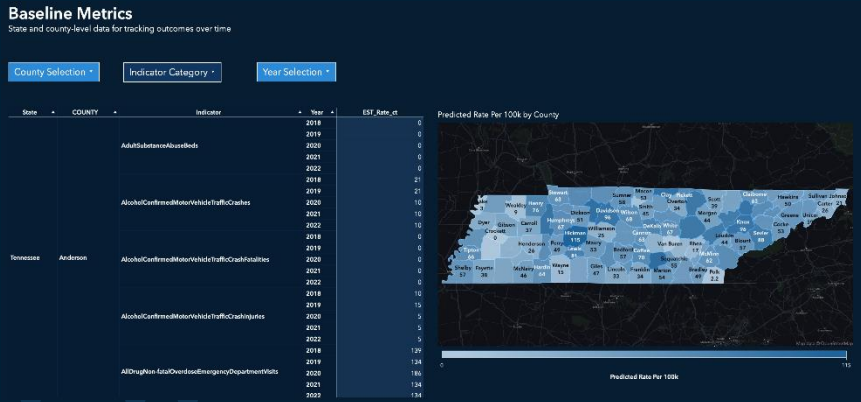
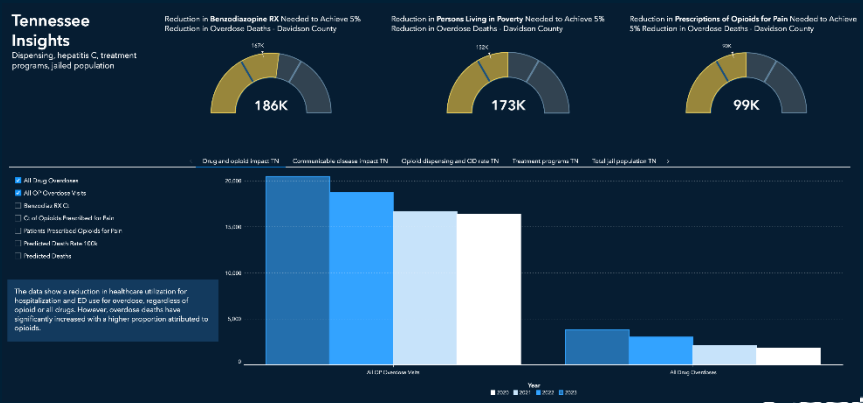
Assess and Measure Impact

Examples of metrics to track and forecast:

- Overdose deaths
- Near misses/non-fatal overdoses
- ER administration of naloxone
- Calls to 1st responders for overdose events
- 1st responder administration of naloxone





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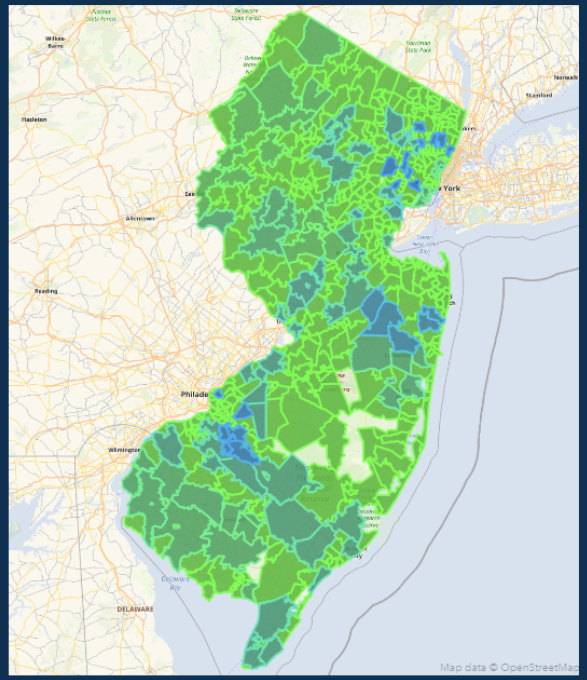
Arrests Drug Related per 100K by Zip Code



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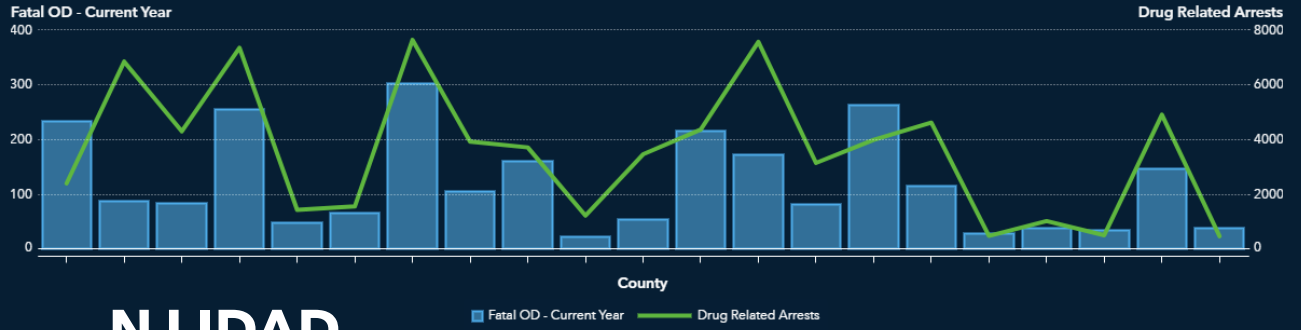
Arrests Drug Related per 100K

Individual Risk | Fatal OD | County Metrics

ID	Risk Score	Records Cnt	Drug Ofns	Drug_Dependence	Drug_Crime	TotPriorConvictions_Sum
328741	230.93	28	21	1	1	7
390684	72.83	18	11	1	1	8
415235	69.55	33	8	1	1	197
41480	43.36	11	7	1	1	4
391078	36.08	24	2	0	1	103
346959	35.80	10	3	0	1	0
101912	31.75	8	4	1	1	5
375792	30.78	23	2	1	1	23
472594	29.43	14	3	1	1	50
466284	25.86	14	10	1	1	0
72039	22.88	16	4	1	1	28
397451	22.86	21	2	1	1	25
540093	20.61	31	4	0	1	50



NJ IDAD

FOD Count | FOD Rate

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Medication Assisted Treatment (MAT) program for Opioid Use Disorder (OUD) Overview Dashboard

This dashboard shows the summary for OUD and MAT statistics and demographics for several facilities in a region. The map shows the facilities implementing the program, click on a facility to filter the charts and monitoring metrics for that facility.

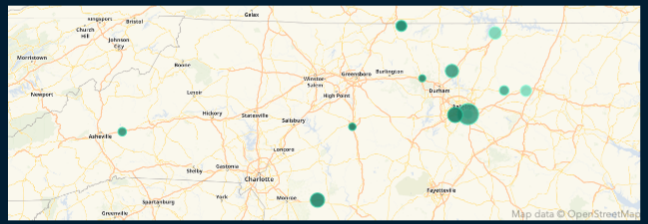
Select Time Period

01/15/2022 to 05/01/2022

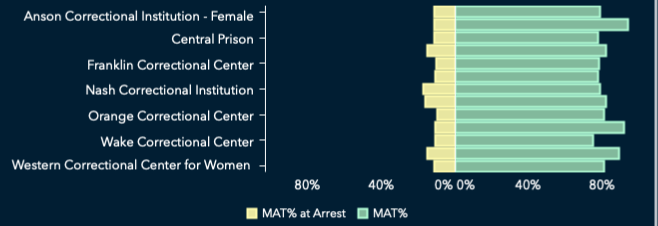
05/01/2021 — 05/01/2022

Individuals Screened	Positive OUD Screens	OUD Assessed	OUD Diagnosed
73%	82%	97%	54%

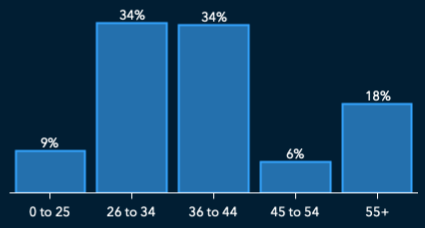
OUD Percent by Prison sized by Capacity



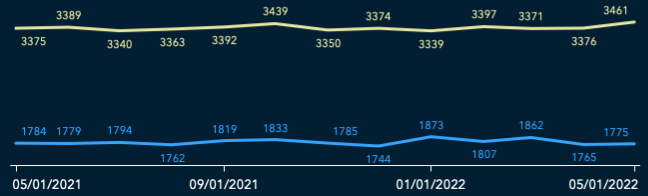
MAT by Facility | MAT Offered by Facility



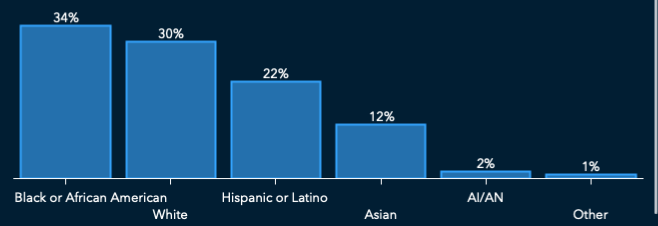
OUD Diagnosis by Age Group



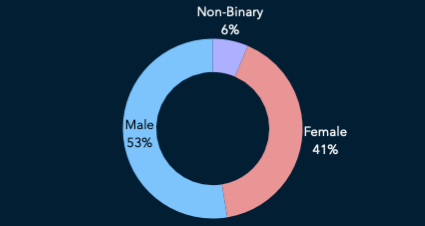
Number of Individuals diagnosed with OUD vs enrolled in MAT



OUD Diagnosis by Ethnicity



OUD Gender Demographics



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Key Value Drivers of a SAS and Tennessee Partnership

Early Intervention Rate Enhancement: Provide Risk Scores & Alerts around High-Risk populations

Facilitate Cross Agency Collaboration to Reduce Duplicated Efforts and Non-Impactful Spend

Efficient Tracking: How and Where Money is Being Spent on Opioid Abatement

Outcome Reporting: Reduce Time Spent Identifying if Funds are Available and the Status of Expenditures

Promote **Transparency & Accountability** throughout the State of Tennessee

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Questions?

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Discussion & Decision

- Does the Council approve the OAC Office to move forward to pursue contracting with SAS?

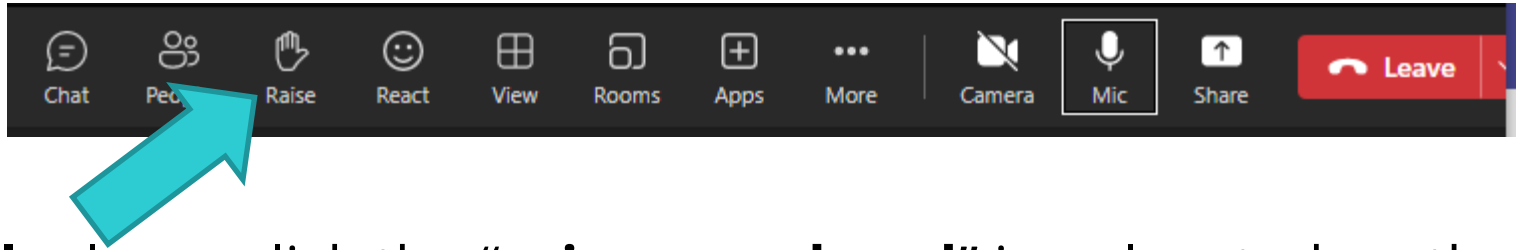
Motion
&
Council Vote

The Power of Prevention
Karen Pershing

Public Comment

The Opioid Abatement Council shall reserve a period for public comment to provide the public with the opportunity to comment on matters that are relevant to the items on the agenda for the meeting. At the appropriate time, the Chair will open the meeting for public comment. Guests attending in-person shall make their intent to speak known and the Chair will recognize the individual.

In-Person: please raise your hand



Virtual: please click the "**raise your hand**" icon located on the top menu bar (3rd from the left)

Next Meeting

- At our next meeting, we will most likely be ready to vote on awarding Community Grants
- We need to pick a location and time where everyone can attend in person