

Bridging the Gap between Science and Clinical Practice: Discussion with the NIH and AHRQ

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NIDA:

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Presented at the 54th ASAM Annual Conference on April 15, 2023



Disclosure Information

No Disclosures: Aaron White, PhD; Geetha Subramaniam, MD, DFAACAP, DFAPA; Elisabeth Kato, MD, MRP

Disclosures:

Wilson Compton, MD, MPE

- ☀ Stock Equity (long-term):
 - ☀ 3M Company (under \$10,000)
 - ☀ Pfizer, Inc. (under \$10,000)

Ken Freedman, MD, MS, MBA, FACP, AGAF, DFASAM

- ☀ Aetna, a CVS Health Company (Clinical Condition: Med/surg care): Medical Director
- ☀ SAMHSA (Clinical Condition: substance use disorders): Consultant/Advisory Board
- ☀ The Recovery Research Network (Clinical Condition: Opioid use disorder): Medical Director

Tami Mark, PhD, MBA

- ☀ Employed by RTI International, a nonprofit research institute





ASAM
ANNUAL CONFERENCE
Innovations in Addiction Medicine and Science
April 13-16, 2023 | Washington DC



NIAAA

The Changing Conversation Around Alcohol

Aaron White, PhD

Senior Advisor

**Chief of the Epidemiology and Biometry Branch
National Institute on Alcohol Abuse and Alcoholism**

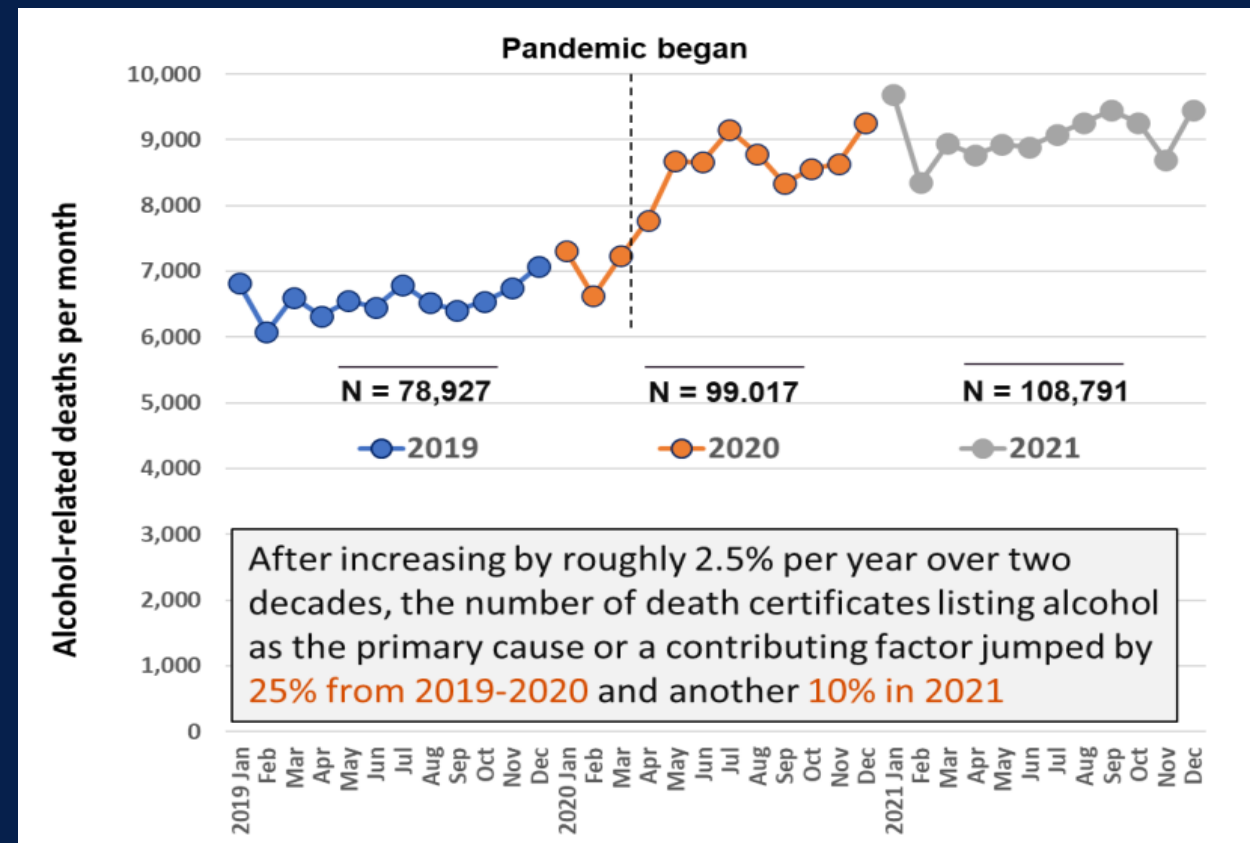


**National Institute on Alcohol
Abuse and Alcoholism**



Alcohol and Health – What Is Changing?

- Increasing interest in drinking less but increasing consumption and harms at the population level
- Deaths are up 37% since 2019 (108,791 in 2021)
- Emergency department visits are increasing (1.7 million *due to* alcohol in 2020, 4.2 million visits *involved* alcohol)
- Alcohol use declining among adolescents but increasing among adults, particularly for women and people 50+
- Even one drink per week is sufficient to impact fetal development and alter facial features

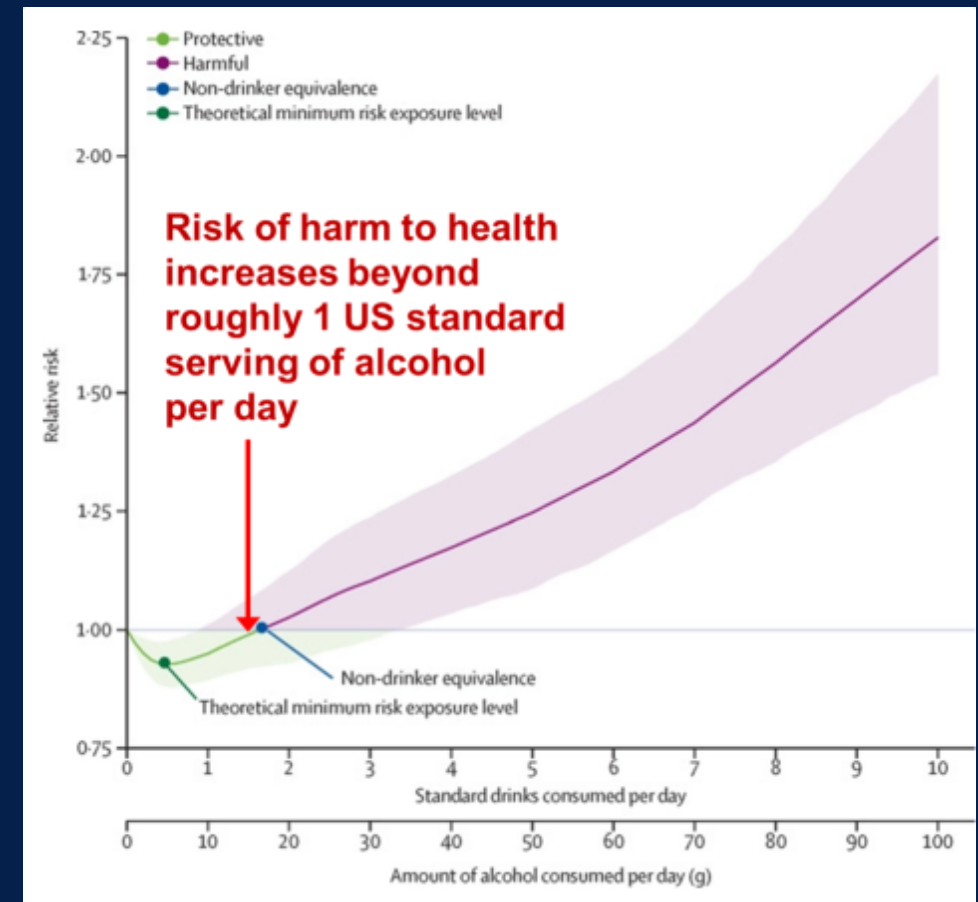


Sources: NIAAA [Spectrum](#), Feb 2023; White et al (2022). Alcohol and aging – An area of increasing concern. Alcohol, 5 ([available here](#))



Alcohol and Health – What Is Changing?

- Improvements in methodology erased the apparent health benefits of alcohol in epidemiological studies and show that harms to health begin at about 1 drink (14g) per day (e.g., link to breast cancer)
- Nothing special about wine. Wine drinkers tend to be healthier but not because of the wine. Grape juice is superior overall (e.g., [Bede et al., 2021](#))
- More people using telehealth options but additional research is needed to identify best practices
- Screening and brief interventions can work and provide a window into other aspects of health (e.g., other drug misuse, depression)

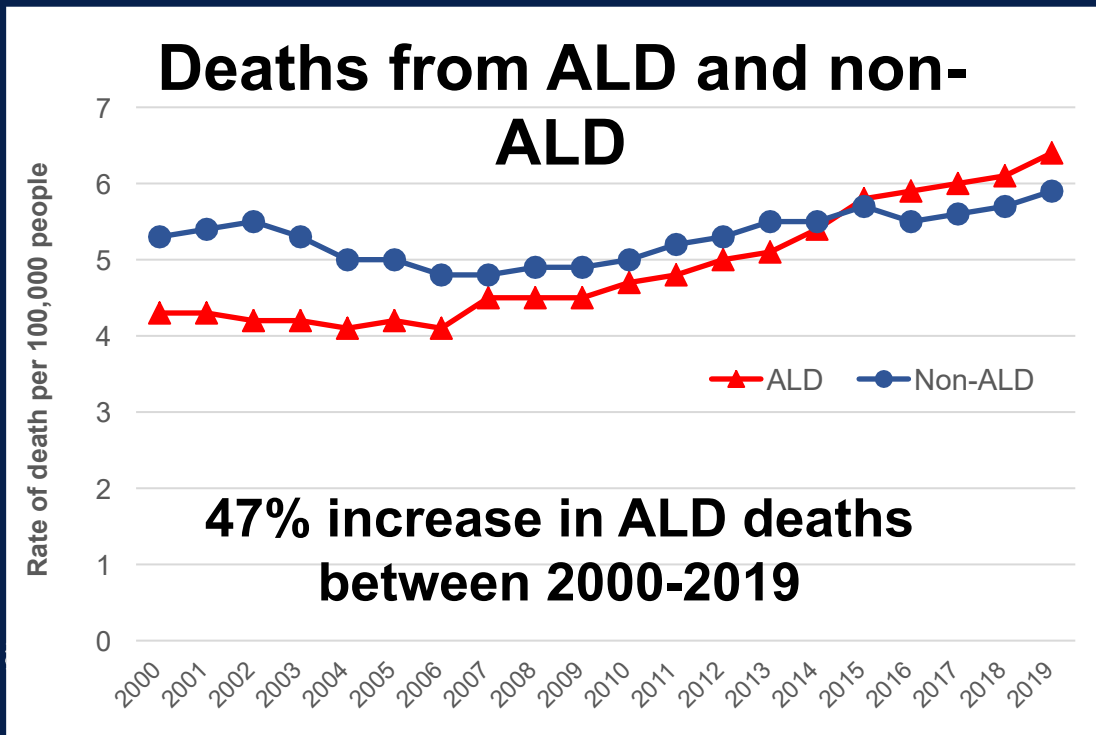


Sources: [Global Burden of Disease Study 2020](#); Bedê et al (2021) Effect of grape juice, red wine and resveratrol solution on antioxidant, anti-inflammatory, hepatic function and lipid profile in rats fed with high-fat diet, *Natural Product Research*, 35:23, 5255-5260, DOI [10.1080/14786419.2020.1747458](https://doi.org/10.1080/14786419.2020.1747458)

Treating Alcohol-Associated Liver Disease as an Example of a Shift to Whole Person Health

☀️ **ALD-related deaths increased 47% between 2000-2019** ([Chen and Yoon, 2022](#))

☀️ **Rates increasing faster for women and among young adults ages 25-34** ([Tapper and Parikh, 2018](#); [Chen and Yoon, 2022](#))



Paradigm shift: Integrated treatment

- **Integrated treatment** of ALD and AUD can improve patient outcomes ([Leggio and Jung, 2022](#))
- Treating AUD with medications reduces the chances of ALD and the progression of existing ALD ([Vannier et al., 2022](#))
- Behavioral or pharmacotherapy for AUD after discharge from hospitalization for ALD reduces readmission and death ([Peeraphatdit et al., 2019](#); [Winters et al., 2021](#))

NIAAA Healthcare Professional's Core Resource on Alcohol – Accessing the Information

What Every Healthcare Professional Should Know about Alcohol

Organized into 14 concise, practical, user-friendly articles

Free continuing education credits

Up to 10.75 credit hours total available for physicians, physician assistants, nurses, pharmacists, and clinical psychologists.



niaaa.nih.gov/CoreResourceOnAlcohol (Google “niaaa core resource”)



THANK YOU!

NIAAA: Your source for credible, evidence-based information about alcohol and health.



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www.niaaa.nih.gov



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Special thanks to:
George Koob, PhD
Patricia Powell, PhD

Bridging the Gap: National Institute on Drug Abuse (NIDA) Perspectives

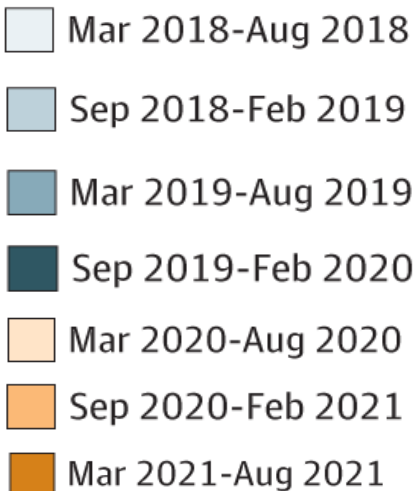
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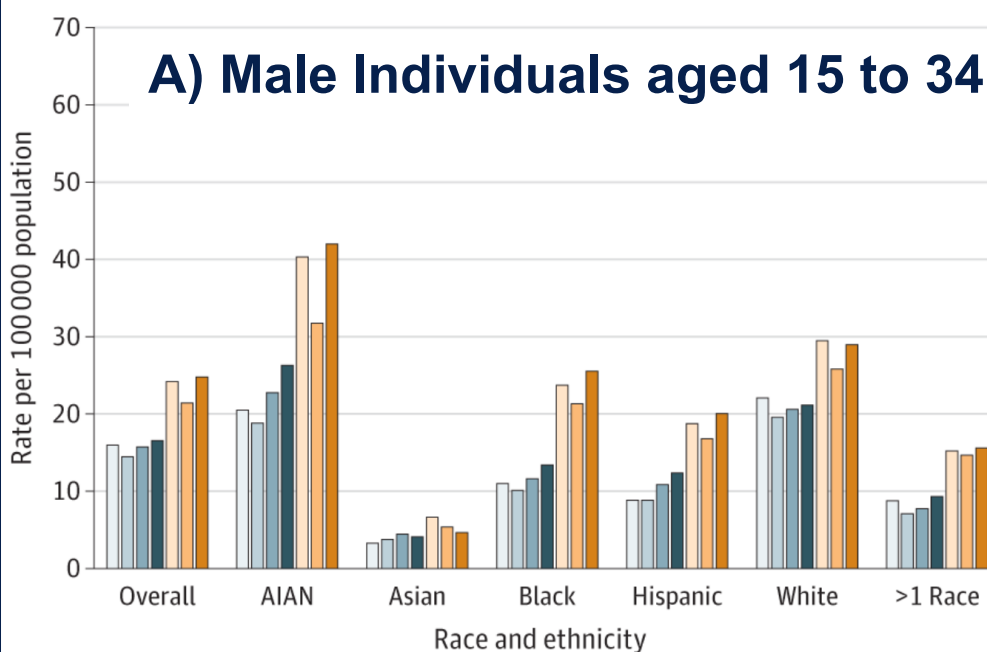
Overdoses Before and During the COVID-19 Pandemic



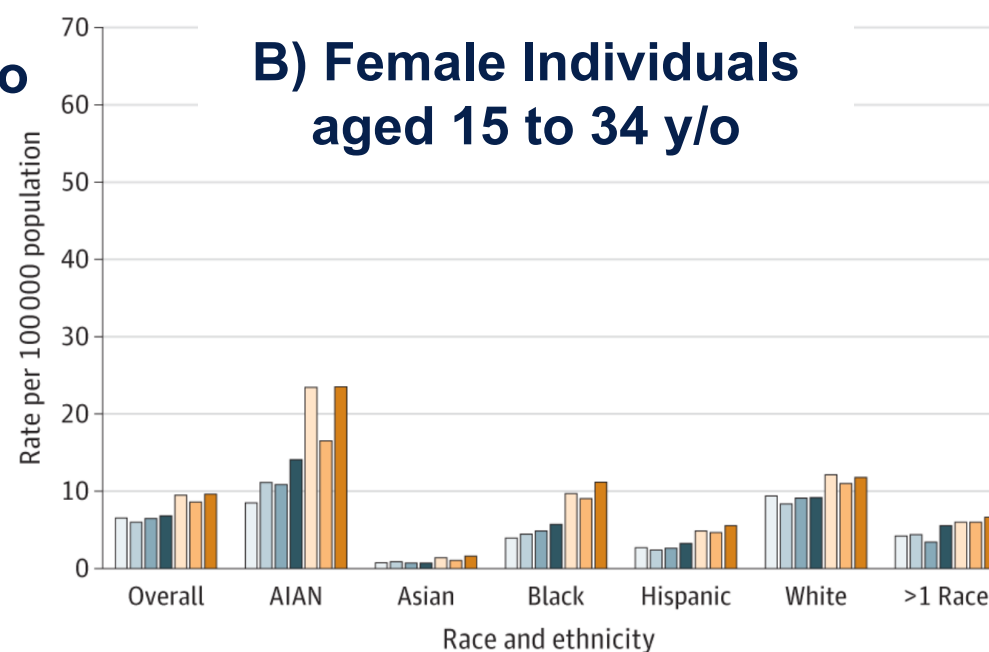
Han B et al. JAMA Network Open. 2022;5(9):e2232314. doi:10.1001/jamanetworkopen.2022.32314



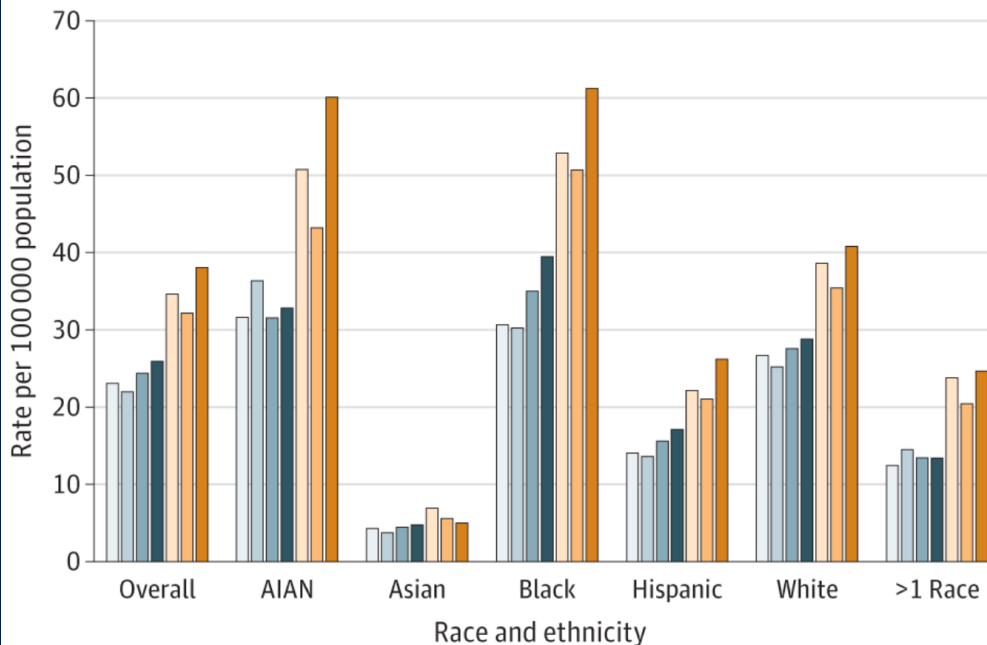
A) Male Individuals aged 15 to 34 y/o



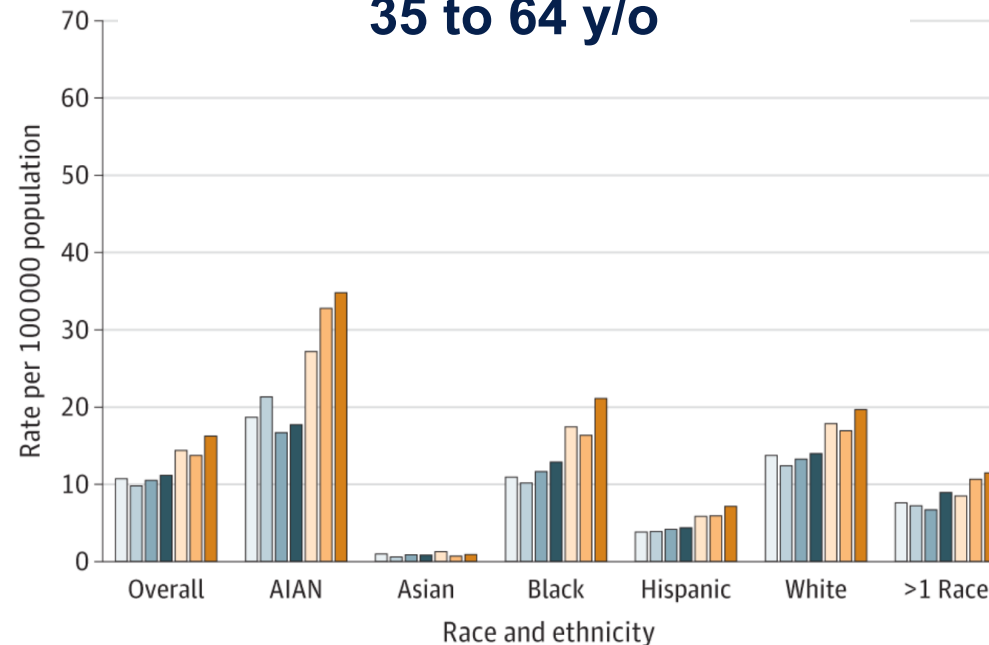
B) Female Individuals aged 15 to 34 y/o



C) Male Individuals aged 35 to 64 y/o



D) Female Individuals aged 35 to 64 y/o



National Drug Abuse Treatment Clinical Trials Network (CTN) Infrastructure

Appalachian Node
University of Pittsburgh
West Virginia University

Big South/West Node
UT Southwestern Medical Center
UT Health Science Center at San Antonio
University of California, Los Angeles

Clinical Coordinating Center
The Emmes Corporation

Data & Statistics Center
The Emmes Corporation

Florida Node Alliance
University of Miami
Columbia University

Great Lakes Node
Rush University

Greater Intermountain Node
University of Utah

Greater Southern California Node
University of California, Los Angeles

Health Systems Node
Kaiser Foundation Hospitals



New England Consortium
Yale University
McLean Hospital

New York Node
New York University
New York State Psychiatric Institute

Northeast Node
Dartmouth College

Northstar Node
Hennepin Healthcare Research Institute

Ohio Valley Node
University of Cincinnati

Pacific Northwest Node
University of Washington
Washington State University

Southwest Node
University of New Mexico

Southern Consortium Node
Medical University of South Carolina

Western States Node
Oregon Health & Science University
Stanford University



Select CTN Studies



Multi-Site Clinical Studies

1. Medication Treatment for Opioid-dependent Expecting Mothers (**MOMS**)
2. Emergency Department-Initiated Buprenorphine (**ED-INNOVATION**)
3. Rural Expansion of Medications for OUD
4. Rapid Initiation for Extended-Release Injection Naltrexone (**SWIFT**)
5. Optimizing Retention, Duration and Discontinuation for OUD Medication (**RDD**)
6. Subthreshold OUD Trial (**STOP**)
7. RCT of injectable naltrexone and injectable buprenorphine for MUD (**MURB**)
8. TMS for Stimulant Use Disorders
9. RCT of Naltrexone-ER and Monthly Injectable Buprenorphine for Cocaine Use Disorder (**CURB-2**)
10. Ketamine for MUD (**KMD**)
11. Methadone or enhanced buprenorphine – retention among pts not optimally benefitting from office-based buprenorphine
12. Collaborative care for polysubstance use (**Co-Care**)

Studies Using Datasets

1. Individual Level Predictive Modeling of OUD Treatment Response Using CTN Datasets
2. Analyses of VA Databases to Examine Patient Characteristics Associated with Bup Termination
3. Medicaid Analysis Comparing Outcomes in Residential and Outpatient Treatment
4. Impact of Drug-focused Twelve Step Mutual Help Groups Using the VA Database
5. Developing a Prescription Opioid Registry in Diverse Health Care Delivery Systems
6. Identifying Correlates of Precipitated Withdrawal During Bup Induction in Fentanyl users

Expansion of Existing CTN Studies

1. Ancillary Study Adoption and Sustainability of ED-Initiated Buprenorphine
2. Economic Analysis of Primary care Opioid Use Disorder Trial
3. Data Analysis of CTN Studies to Examine the Impact of Psychosocial Treatments for Black People who use Cocaine

Closing the Treatment Gap

1. Culturally Centered MOUD in Programs Serving American Indian/Alaska Natives
2. OUD Clinical Decision Support in Med. Settings
3. Development of a Pharmacy-based PDMP Risk Assessment Tool
4. Peer recovery Support: A Bridge to Treatment for Overdose Survivors
5. Integrating pharmacy-based prevention and Tx: A survey of pharmacists and stakeholders
6. Exploring Health Beliefs for Community Engagement and Diversity in Clinical Trials
7. Integrated Care and Treatment for Severe Infectious Diseases and Substance Use Disorders (SUD) among Hospitalized Patients

Training and Dissemination

1. Increasing PCP Prescribing of Buprenorphine
2. Integrating Nurse Practitioner Buprenorphine Waiver Training into Graduate Nursing Curriculum
3. Expanding Clinical Research Training on Implementing the Hub and Spoke Model
4. Preventing and Identifying OUD by Improving Opioid Prescription Management



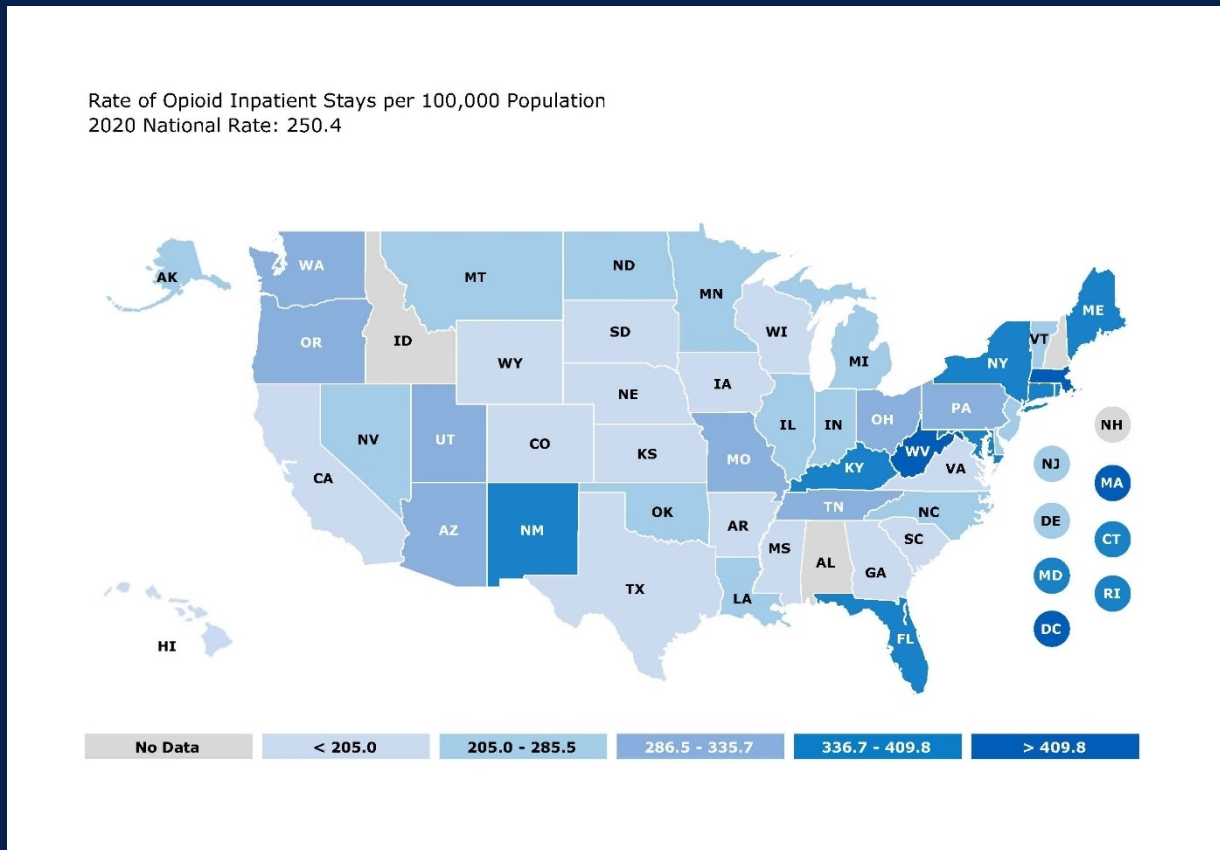
Data, tools and research to improve care for people with Substance Use Disorders

Elisabeth Kato, MD, MRP
Center for Evidence and Practice Improvement, AHRQ

Presented at the 54th ASAM Annual Conference on April 15, 2023



HCUP FastStats Interactive Tool and Map



HCUP Fast Stats uses visual statistical displays in stand-alone graphs, trend figures, or simple tables to convey complex information at a glance.

In addition to the general datafiles, FastStats has Special Emphasis topics, including

- Opioid Related Hospital Use
- Neonatal Abstinence Syndrome

Dashboard link: <http://datatools.ahrq.gov//hcup-fast-stats?type=tab&tab=hcupfsse>

Recent Systematic Reviews

- ☀ Pharmacotherapy for Adults With Alcohol-Use Disorders in Outpatient Settings
- ☀ Living Systematic Review on Cannabis and Other Plant-Based Treatments for Chronic Pain
- ☀ Strategies for Integrating Behavioral Health and Primary Care

<https://effectivehealthcare.ahrq.gov/>



Implementation Research

- ☀ EvidenceNOW: Managing Unhealthy Alcohol Use

 - ☀ [Unhealthy Alcohol Use Tools & Resources](#)

- ☀ Management of Opioid Use and Misuse in Older Adults in Primary Care Practices

 - ☀ [Management of Opioid Use and Misuse in Older Adults: High-Leverage Changes for Improvement](#)

 - ☀ [Opioid and Pain Management Tools and Resources](#)

- ☀ ***New*** Supporting the Management of Substance Use Disorders in Primary Care and other Ambulatory Settings



Discussion

1. **NIAAA**: What research topics regarding the etiology or treatment of AUD are understudied and might be of value in your work?
2. **NIDA**: The Federal addiction treatment landscape is changing (e.g., the elimination of the x-waiver for buprenorphine prescribing, expansion of telehealth, flexibilities in methadone prescribing). What research is needed to understand the impact of these changes and support enhanced access to MOUD?
3. **AHRQ**: What evidence-based treatments for SUD do you think are the most underutilized in practice and why?

ASAM Science Initiative

ASAM Science Initiative Subcommittee Co-Chairs:

☀ Ken Freedman, MD, MS, MBA, FACG, AGAF, DFASAM

☀ Tami Mark, PhD, MBA

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Quality Improvement Council (QIC)

- Provide strategic oversight of ASAM's QI work
- Select ASAM representatives on QI-related initiatives
- Make recommendations to the Board regarding ASAM endorsement of QI-related materials

Science Initiative Subcommittee

Clinical Guideline & Methodology Workgroup

ASAM Criteria Strategy Committee

- Provide guidance and oversight to support the implementation of the Science Initiative
- Promote science-related activities among ASAM membership

Coalition for National Clinical Criteria (external advisory group)



ASAM Science Initiative Goals

- ☀ Promote research to address current clinical challenges and drive improvements in the quality of care for addiction
- ☀ Support ASAM members who want to become engaged in research
- ☀ Support more rapid dissemination of research

Science Initiative Subcommittee (Current)

ASAM Members

- ☀ Ken Freedman, MD, MS, MBA, FACP, AGAF, DFASAM (Chair)
- ☀ Tami Mark, PhD, MBA (Co-Chair)

- ☀ Lawrence W. Adler, MD, FASAM
- ☀ Javier Ballester Gonzalez, MD
- ☀ Marcie Bockbrader, MD, PhD, FAAPMR
- ☀ Mark G. Fuller, MD, FACP
- ☀ Martin Krsak, MD, MSc, FASAM
- ☀ Lara C. Weinstein, MD, MPH, DrPH
- ☀ Stephanie T. Weiss, MD, PhD

ASAM Staff

- ☀ Anna Pagano, PhD
- ☀ Ray Denny, PhD



Get Involved with the Science Initiative

Join Our Community on ASAM Connect!

Contact us to learn more:

Ken Freedman, MD, MS, MBA, FACG, AGAF, DFASAM (Science Initiative Subcommittee Chair; Quality Improvement Council Chair):

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Anna Pagano, PhD (ASAM Senior Director of Science):

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www.asam.org/ScienceInitiative

Your Feedback Matters!

- ☀️ Help inform the clinical relevance of NIAAA, NIDA, and AHRQ's addiction medicine research portfolios by answering this questionnaire



References

NIAAA References

1. White, A. M., Orosz, A., Powell, P. A., & Koob, G. F. (2022). Alcohol and Aging—An Area of Increasing Concern. *Alcohol* (pre-print).
2. Bedê, T. P., de Jesus, V., Rosse de Souza, V., Mattoso, V., Abreu, J. P., Dias, J. F., ... & de Azeredo, V. B. (2021). Effect of grape juice, red wine and resveratrol solution on antioxidant, anti-inflammatory, hepatic function and lipid profile in rats fed with high-fat diet. *Natural product research*, 35(23), 5255-5260.
3. Chen, C. M., & Yoon, Y. H. (2022). NIAAA Surveillance Report# 118. Liver cirrhosis mortality in the United States: National, State, And Regional Trends, 2000–2019.
4. Tapper, E. B., & Parikh, N. D. (2018). Mortality due to cirrhosis and liver cancer in the United States, 1999-2016: observational study. *BMJ*, 362.
5. Leggio, L., & Jung, M. K. (2022). The need for integrating addiction medicine and hepatology. *JAMA Network Open*, 5(5), e2213022-e2213022.
6. Vannier, A. G., Shay, J. E., Fomin, V., Patel, S. J., Schaefer, E., Goodman, R. P., & Luther, J. (2022). Incidence and progression of alcohol-associated liver disease after medical therapy for alcohol use disorder. *JAMA Network Open*, 5(5), e2213014-e2213014.
7. Peeraphatdit, T., Kamath, P. S., Karpyak, V. M., Davis, B., Desai, V., Liangpunsakul, S., Sanyal, A., ... & Simonetto, D. A. (2020). Alcohol rehabilitation within 30 days of hospital discharge is associated with reduced readmission, relapse, and death in patients with alcoholic hepatitis. *Clinical Gastroenterology and Hepatology*, 18(2), 477-485
8. Winters, A. C., May, F. P., Wang, Y., Shao, P., Yang, L., & Patel, A. A. (2021). Alcohol use disorder treatment and outcomes among hospitalized adults with alcoholic hepatitis. *Drug and Alcohol Dependence Reports*, 1, 100004.

NIDA Reference

9. Han, B., Einstein, E. B., Jones, C. M., Cotto, J., Compton, W. M., & Volkow, N. D. (2022). Racial and ethnic disparities in drug overdose deaths in the US During the COVID-19 pandemic. *JAMA network open*, 5(9), e2232314-e2232314.

AHRQ References

10. HCUP Fast Stats. (2022, December) Healthcare Cost and Utilization Project (HCUP). *Agency for Healthcare Research and Quality, Rockville, MD*. <https://datatools.ahrq.gov?hcup-fast-stats>
11. AHRQ. (n.d.). Unhealthy alcohol use tools & resources. Unhealthy Alcohol Use Tools & Resources | *The Academy*. Retrieved February 23, 2023, from <https://integrationacademy.ahrq.gov/products/substance-use-resources/environmental-scan/unhealthy-alcohol-use>
12. AHRQ. (n.d.). Management of Opioid use and misuse in older adults: High-leverage changes for improvement. Retrieved February 23, 2023, from https://integrationacademy.ahrq.gov/sites/default/files/2021-04/High_Leverage_Changes_for_Management_of_Opioid_Use_and_Misuse_in_Older_Adults.pdf
13. Bertrand, R. M., Keane, N., Shoemaker-Hunt, S., Parchman, M., Hsu, C., & Michaels, M. (2021, February). *Identifying and testing strategies for management of opioid use and ...* Identifying and Testing Strategies for Management of Opioid Use and Misuse in Older Adults in Primary Care Practices: Opioid and Pain Management Tools and Resources. Retrieved February 23, 2023, from https://integrationacademy.ahrq.gov/sites/default/files/2021-04/Table_of_Opioid_and_Pain_Management_Tools_and_Resources.pdf