

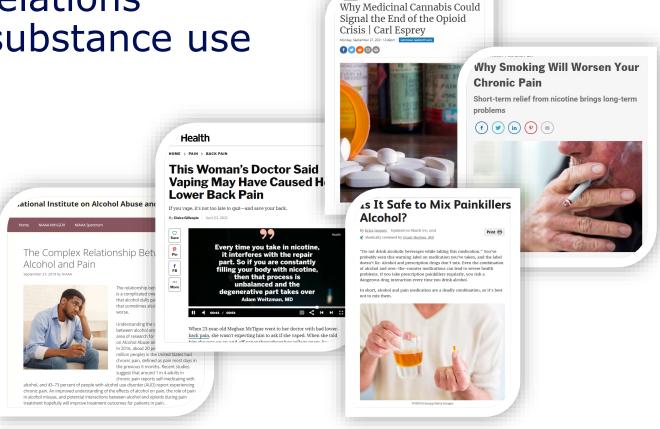
Scientific Framing: Reciprocal Model of Pain and Substance Use

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Prescription Opioids and Beyond...

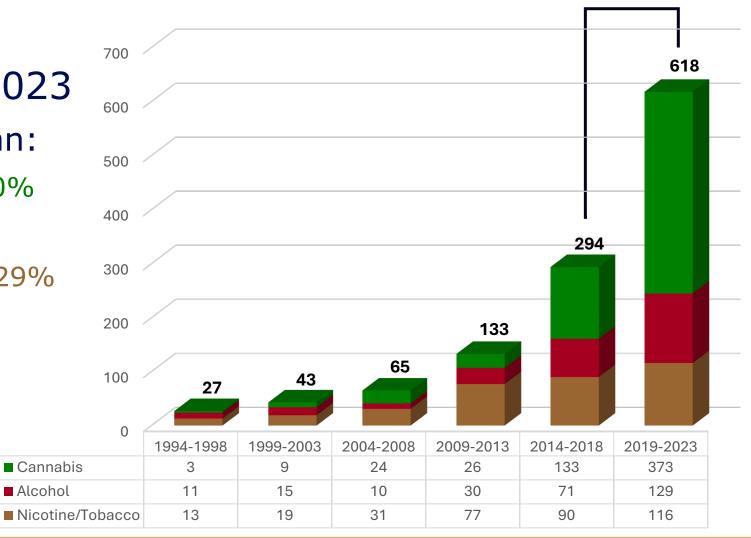
- Significant interest in relations between pain & other substance use
 - Nicotine/Tobacco
 - Alcohol
 - Cannabis
 - Benzodiazepines
 - Stimulant Medications



Increasing Empirical Interest

Alcohol

- PubMed 1994-2023
 - Past 5-year span:
 - Cannabis +180%
 - Alcohol +82%
 - Nic/Tobacco +29%



Chronic Pain + SUD

- Highly prevalent & commonly comorbid
 - Vary by pain/substance type & setting
 - Overlap with other mental/behavioral health challenges
- More severe pain & impairment
- Greater use/misuse of opioid medications
- *Study/treatment typically siloed
 - Need for integrative conceptualization & treatment



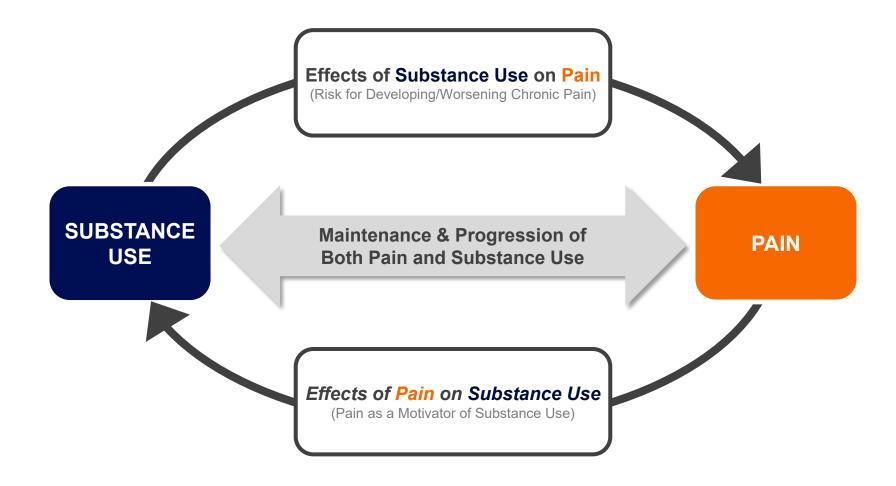
Reciprocal Model of Pain and Substance Use



Reciprocal Model of Pain and Substance Use



Reciprocal Model of Pain and Substance Use



Intersection of Pain and Substance Use

- Personalized Approaches
 - (Phenotyping, Personalized Medicine, & Personalized Feedback)
- Highly Impacted Populations
 - (Social Determinants, Older Adults, Mental Health Comorbidity)
- Interventions
 - (Buprenorphine & Non-pharmacologic Approaches)
- Beyond Opioids
 - (Substance use that complicates pain)
 - (Pain management with non-opioid substances)



Summary

• The translational, transdisciplinary study of interrelations between pain and substance use represents a significant and still-emerging area of clinical and empirical interest

Scientific Presentations