

# Opioid Use Disorder: Treatment and Incarceration

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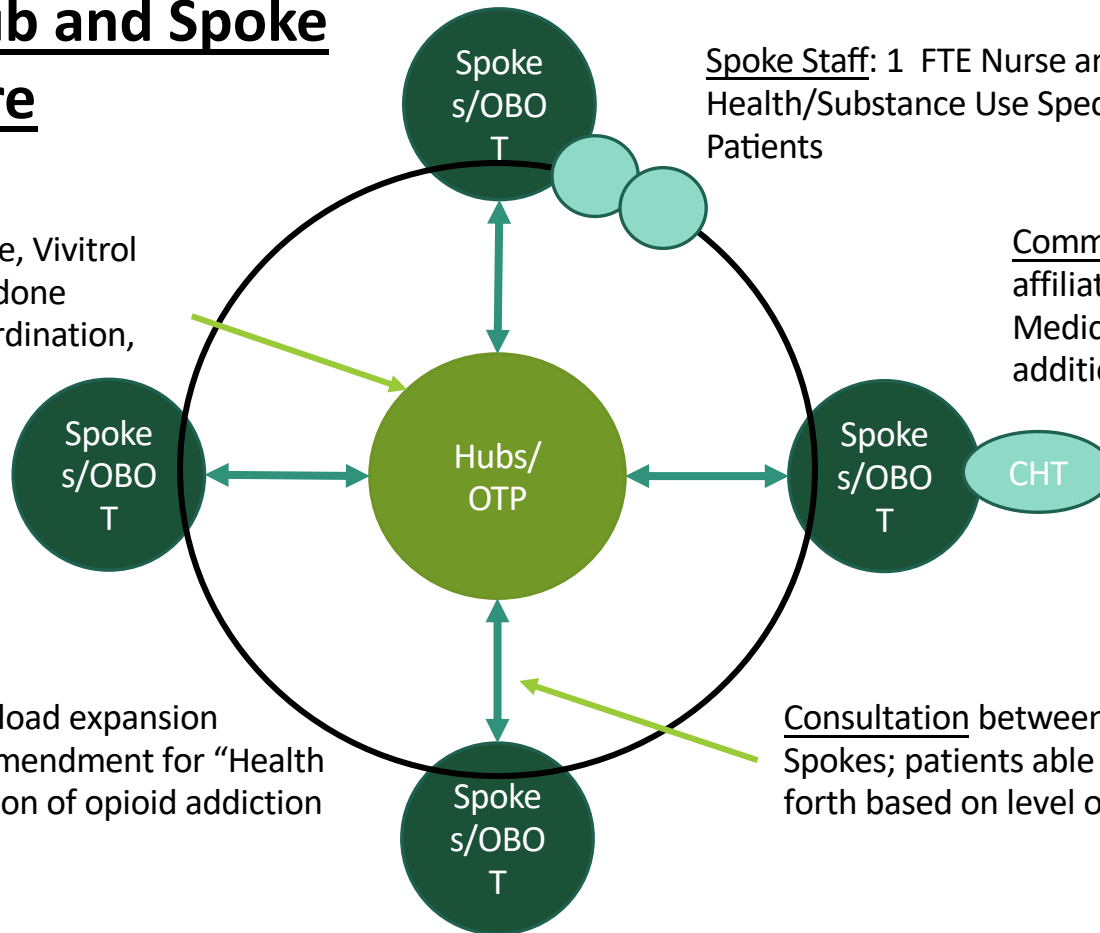
# Vermont's Hub and Spoke System of Care

## Hubs:

- Dispense Buprenorphine, Vivitrol (buy & bill), and Methadone
- Includes more care coordination, nursing, and psychiatry

## Medicaid Engagement:

- Agency endorsed caseload expansion
- Medicaid State Plan Amendment for "Health Home" chronic condition of opioid addiction



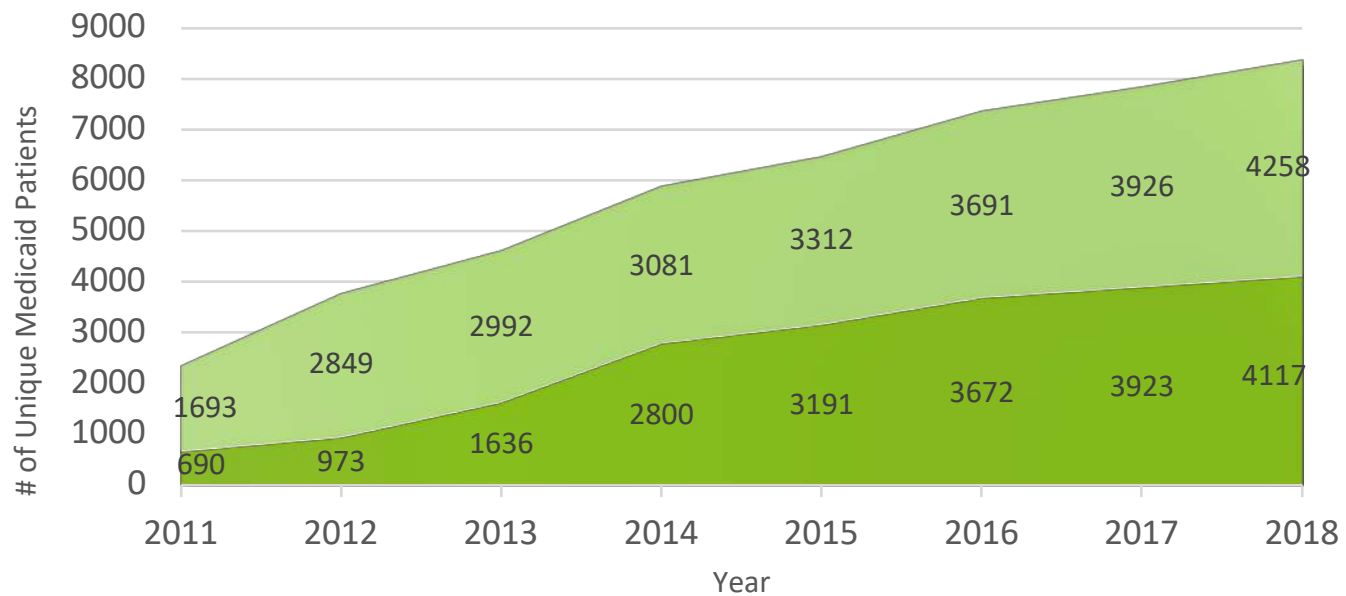
Spoke Staff: 1 FTE Nurse and 1 FTE Mental Health/Substance Use Specialist per 100 MAT Patients

Community Health Teams: affiliated with Patient-Centered Medical Homes provide additional services

Consultation between Hubs and Spokes; patients able to move back and forth based on level of care needed

# Access to Opioid Use Disorder Medication-Assisted Treatment in Vermont

## Hub and Spoke Medicaid Patient Counts



■ Hub ■ Spoke

Source: 2011-2018 Medicaid Claims Data



# Evaluation: Data Sources and Methodology

## Vermont's All-Payer Claims Database

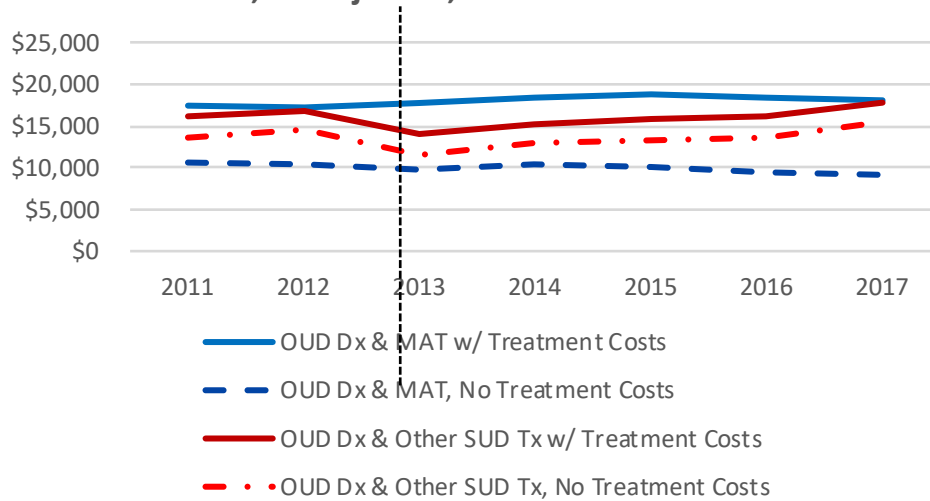
- Medicaid members age 18-64
  - Including Dually-Eligible
- Opioid Use Disorder diagnosis
  - 2 diagnoses on separate occasions over the past 24 months.
- Stratification by treatment
  - Medication-assisted treatment (MAT), including psycho-social supports
  - Other non-MAT forms of substance use disorder treatment

## Vermont's Department of Corrections Offender Management System

- Linked to APCD data,
  - Used jacket and booking numbers to follow individuals and incarceration episodes, respectively
- Reviewed incarceration episodes only, not community supervision

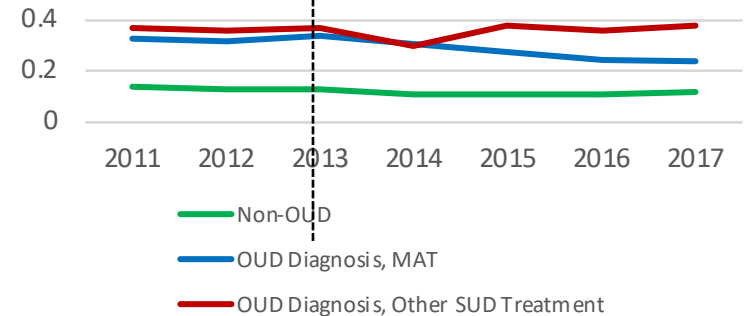
# Expenditures and Utilization

## Expenditures Including and Excluding Treatment Costs, Unadjusted, Per Member Per Year

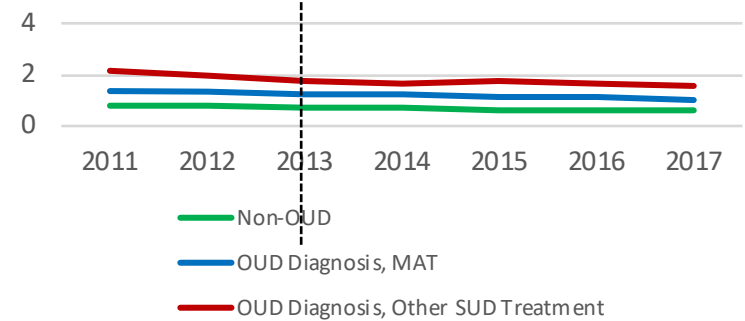


OUD = Opioid Use Disorder;      SUD = Substance Use Disorder  
 MAT = medication-assisted treatment; Tx = Treatment

## Inpatient Hospitalizations, Per Member Per Year

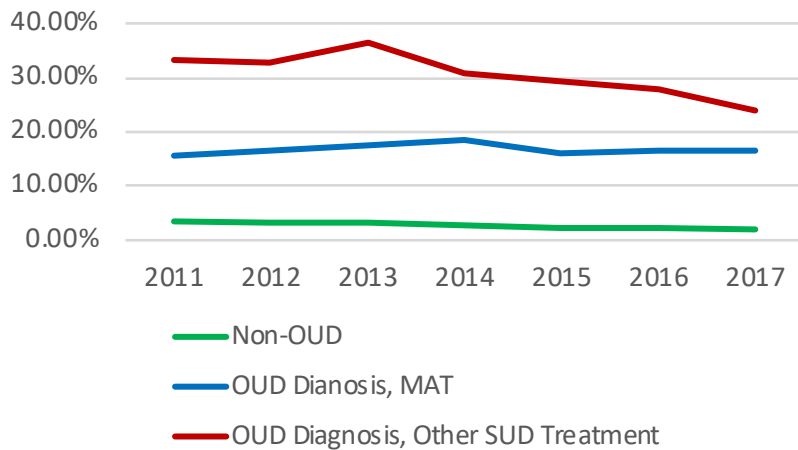


## Emergency Department Visits Per Member Per Year

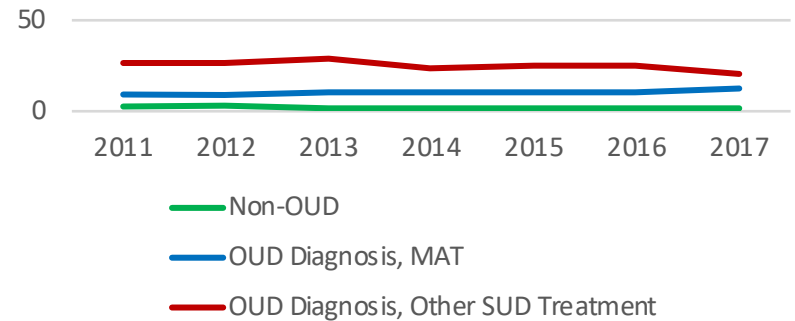


# Rates of Incarceration by Treatment Type

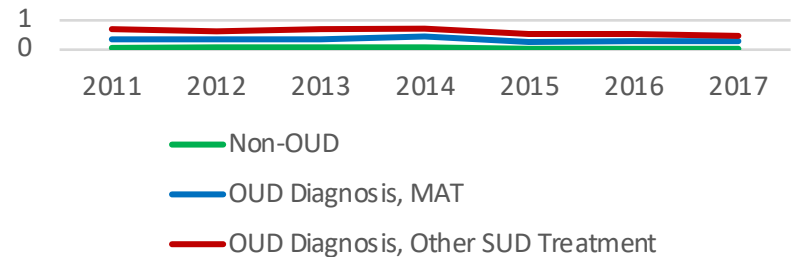
Percent Incarcerated During Year



Average Number of Days Incarcerated, Per Member Per Year



Average Episodes of Incarceration, Per Member Per Year



OUD = Opioid Use Disorder  
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treatment  
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# MAT in Vermont Correctional Institutions

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- 2013: Workgroup on providing MAT in corrections established
- 2014-2015: Pilots to provide MAT continuation for 30 days at two correctional facilities
- 2015- 2017: MAT workgroup re-convened; resulting in MAT continuation for 90 days at existing pilot sites; MAT continuation for 30 days at all other facilities
- Nov 2017: MAT continuation policy revised to 120 days of MAT at all facilities
- Dec 2017: Naltrexone administration policy implemented
- July 1, 2018: Act 176, Vermont allows for induction of MAT in correctional institutes and for continuation of MAT as long as medically necessary

# Ongoing Analysis

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## Longitudinal trends: How do people with OUD...

- Move in and out of treatment and coverage?
- Interact with treatment and the corrections system?

## Trends for transitioning out of prison

- For individuals who receive MAT treatment while incarcerated, what proportion continue treatment after release?
- How can we improve navigation to treatment after release?



# Questions?

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## ACKNOWLEDGEMENTS:

Vermont Department of Corrections  
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