# Levels of care for severe substance use disorder: overview of the American system

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# Objectives

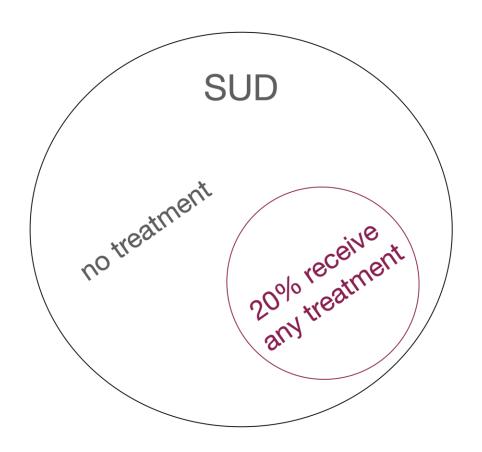
#### Learners will:

- ► Identify levels of care for individuals with severe SUD
- ► Describe the ASAM criteria matching patients to appropriate levels of care
- ► Identify interventions for individuals in the "treatment gap"



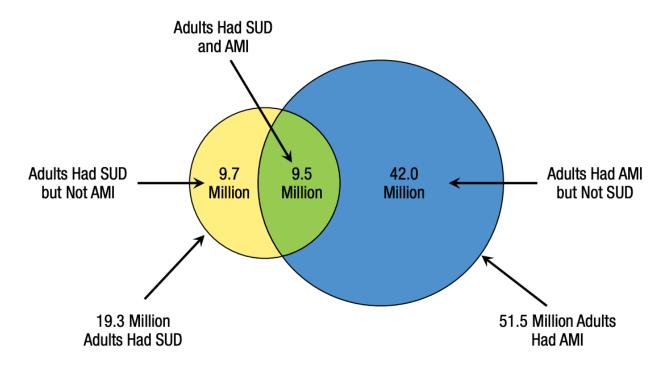
# The treatment gap for SUD

- Of individuals with SUD in the US, only 19.3% received any treatment
  - Only 12.2% received specialty facility care
- Of those in the treatment gap:
  - Only 5.5% perceive a need for treatment
  - 40% not ready
  - 33% no ability to pay



# Comorbidity: rule rather than exception.

Figure 56. Past Year Substance Use Disorder (SUD) and Any Mental Illness (AMI) among Adults Aged 18 or Older: 2019

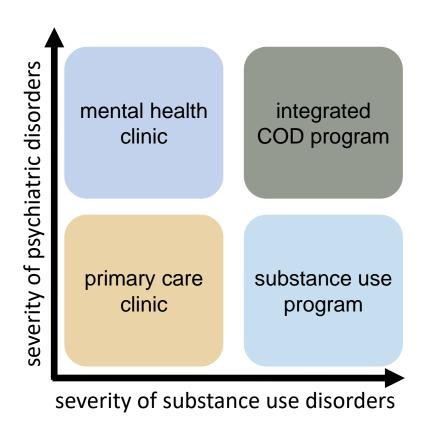


61.2 Million Adults Had Either SUD or AMI

### Comorbidity:

worsened outcomes.

- higher relapse rates
- higher acute care use
- higher SDOH burden
  - ► challenged by <u>non-integrated care</u>



# SDOH burden resulting from SUD

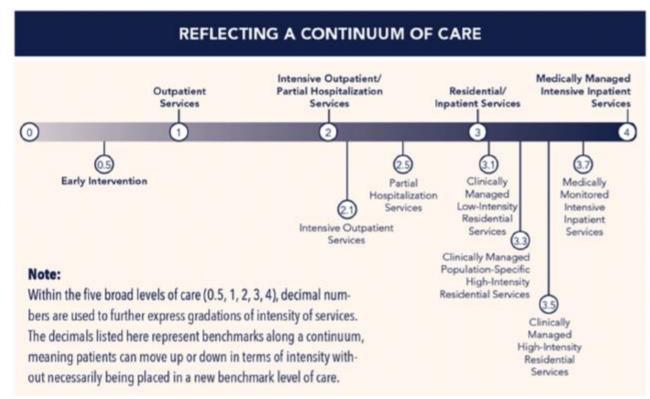
- SUD may also drive the accumulation of SDOH burden:
  - Loss of educational trajectory
  - Loss of financial stability, with disproportionate funds going to use
  - Loss of employment or transition to unstable "gig" economy
  - Loss of marital partner, increase in active-use partnerships
  - Loss of housing or living in active-use or institutionalized environments
  - Loss of social network, transitioning to active-use network or subculture
  - Legal consequences from intoxication or need to fund use
- Specific interventions targeting these losses may be required to support sustained recovery

# Where does treatment happen?

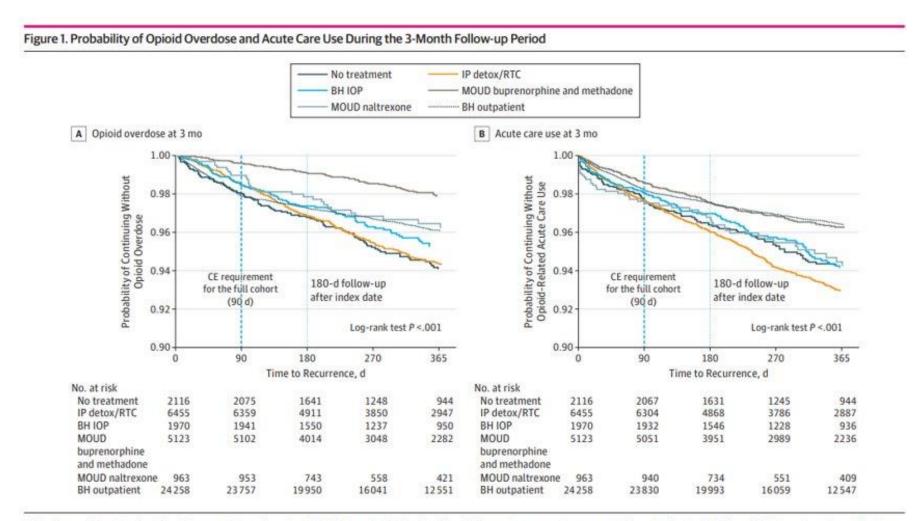
	outpatient	IOP/PHP	residential	medically- managed inpatient
acute intoxication/withdrawal				
medical comorbidity				
psychiatric comorbidity				
motivation				х
risks of relapse				х
recovery environment				х

#### ASAM levels of care

outpatient to medicallymanaged inpatient



# Reducing opioid overdose risk: MOUD



#### Addiction Consult Service

- Addiction specialist consultation to individuals admitted to the general hospital setting
  - Often integrating social work and recovery coaching
  - Evidence-based medication interventions for withdrawal stabilization and relapse-prevention
- At VUMC in Nashville, Tennessee, >1,100 new consults per year
- Emerging response to the treatment gap
  - Evidence for reducing 30-day re-admission risk
  - Evidence for reducing ASI scores and increasing abstinent days
  - New evidence for increasing MOUD initiation

#### Addiction Consult Service

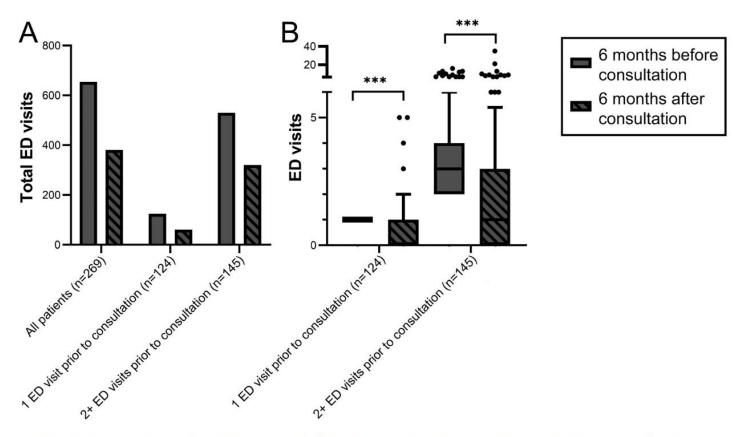
**Table 4 Secondary Outcomes** 

		30-Day follow-up			90-Day follow-up		
		Intervention (N = 165)	Control (N = 100)	P value	Intervention (N = 144)	Control (N = 83)	P value
Mutual help attendance	Baseline	4.5 (9.5)	2.9 (7.3)	0.12	5.1 (10.2)	2.9 (7.6)	0.065
	Follow-up	8.1 (12.3)	4.4 (8.2)	0.004	9.0 (11.9)	5.1 (8.7)	0.005
	Change	3.6 (12.4)	1.6 (7.6)	0.10	3.9 (13.4)	2.2(8.0)	0.23
Treatment engagement	Baseline	30.5	30.3	0.97	30.5	29.6	0.89
(%)	Follow-up	57.9	41.4	0.009	54.6	40.7	0.047
	Change	27.4	11.1	0.018	24.1	11.1	0.092
Hospital admission	Baseline	1.2 (1.4)	0.5 (0.9)	< 0.001	1.1 (1.4)	0.5 (1.0)	< 0.001
	Follow-up	0.4 (1.1)	0.2 (0.8)	0.14	0.2 (0.8)	0.1 (0.6)	0.25
	Change	-0.8(1.6)	-0.3(0.9)	0.001	-0.9(1.4)	-0.4(0.7)	< 0.001
ER use	Baseline	1.5 (2.1)	0.7 (1.4)	< 0.001	1.3 (1.6)	0.8 (1.5)	0.017
	Follow-up	0.6 (1.6)	0.3 (0.9)	0.10	0.3 (1.0)	0.2 (0.8)	0.21
	Change	-0.9(1.6)	-0.3(1.3)	0.002	-0.9(1.8)	-0.6(1.4)	0.084
Current quality of life	Baseline	5.0 (3.0)	5.5 (3.0)	0.23	5.0 (2.9)	6.0 (2.9)	0.021
	Follow-up	5.9 (2.9)	6.2 (2.7)	0.45	6.3 (2.8)	6.7 (2.9)	0.29
	Change	0.9 (3.1)	0.7 (2.8)	0.61	1.3 (3.0)	0.7 (2.8)	0.20
30-Day quality of life	Baseline	3.4 (1.3)	3.1 (1.5)	0.13	3.3 (1.3)	3.0 (1.5)	0.16
	Follow-up	2.5 (1.5)	2.6 (1.6)	0.51	2.2 (1.3)	2.8 (1.7)	0.014
	Change	-0.9(1.9)	-0.5(2.0)	0.11	-1.1(1.9)	-0.3(2.3)	0.006
Self-efficacy	Baseline	6.9 (3.0)	6.8 (3.7)	0.65	7.0 (2.9)	7.2 (3.5)	0.62
	Follow-up	7.2 (2.8)	7.3 (3.2)	0.93	8.1 (2.6)	7.4 (3.2)	0.098
	Change	0.3 (3.5)	0.5 (3.6)	0.61	1.1 (3.6)	0.2 (3.3)	0.054
Abstinence motivation	Baseline	9.2 (2.2)	8.1 (3.3)	0.003	9.3 (1.7)	8.5 (3.1)	0.031
	Follow-up	9.0 (2.4)	8.3 (3.1)	0.062	9.4 (1.7)	8.2 (3.1)	0.001
	Change	-0.2(2.1)	0.2 (3.4)	0.22	0.2 (2.0)	-0.2(2.5)	0.21
Medication adherence	Baseline	1.8 (6.1)	0.5 (3.1)	0.023	1.9 (6.5)	0.6 (3.4)	0.043
	Follow-up	1.0 (4.4)	0.3 (1.2)	0.045	0.7 (3.1)	0.2 (0.8)	0.11
	Change	-0.8 (6.6)	-0.2(3.3)	0.34	-1.3(7.2)	-0.4 (3.6)	0.21

# Low-barrier Bridge Clinic models

- Rapid outpatient follow-up for MOUD following acute care presentations
  - Evidence for reductions in ED readmissions
  - Evidence for good long-term adherence to agonist MOUD
- Various models across American academic medical centers
  - No appointment, walk-in vs 1 or 2 visits weekly model
  - Interdisciplinary team of prescribers, social work, case management, recovery coaching
    - At VUMC, we include psychiatry, primary care, infectious disease, and pain medicine

# Low-barrier Bridge Clinic models



**Fig. 1.** ED utilization in Bridge Clinic patients. A, Total ED usage and B, ED visits per patient before and after completion of a consultation appointment in the Bridge Clinic; p < 0.001 is denoted by (\*\*\*). Patient visits above the 90th percentile are plotted as individual data points.

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#### and further reading:

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