## No Conflicts of Interest to Declare

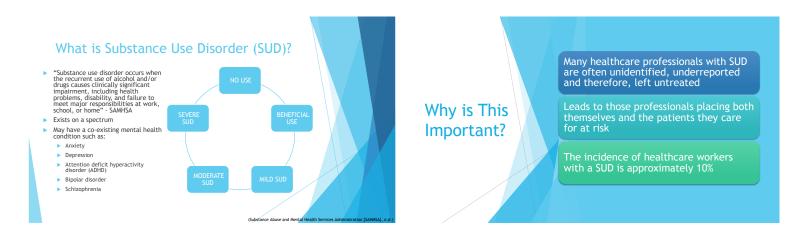
# Substance Use Disorder Among Anesthesia Providers

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### Learner Objectives

Discuss	Recognize	Describe	Outline
Discuss recent statistics and trends related to SUD among anesthesia providers (including the most common drugs of abuse)	Recognize the signs of an impaired individual and how to safely intervene	Describe the management of suspected substance use among colleagues	Outline common barriers to re- entry into practice





#### Anesthesia and Substance Use Disorder (SUD)

- #1 occupational hazard for anesthesia professionals
- Incidence: total number of new cases of individuals within a population who develop a disease or health condition during a <u>given</u> time period (cross- sectional)
  - The incidence of developing a SUD in anesthesia is approximately 10%
- Prevalence: total number of individuals within a population who develop a disease or health condition over a <u>specific time period</u> <u>(often lifetime)</u>
  - Prevalence of developing a SUD over the course of an anesthesia provider career is approximately 60%

### The Start of a Substance Use Disorder



### High Risk Individuals

- Genetic Component
- Family history of addiction
- History of abuse
- Physical, emotional, and/or sexual
- Easy access to controlled or addictive substances
- Pre-existing mental health condition diagnosis
- Individuals with increase physical pain and/or mental exhaustion
- High-stress work environments
- Increased production pressure at work



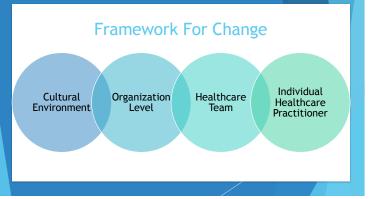
(National Institute of Mental Health [N

# Stigma Surrounding Substance Use Disorder

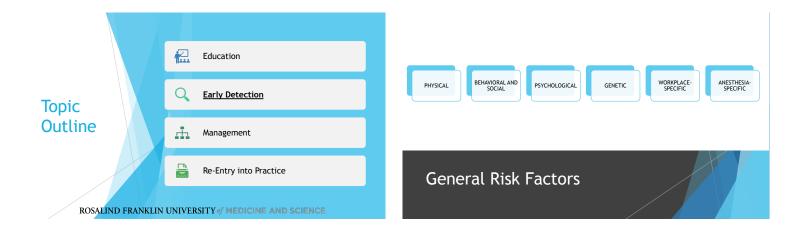
- Addiction is NOT a choice. Addiction is a disease process.
- Types of stigma surrounding SUD
- Self
  - A person internalizes negative perceptions of SUD and applies these feelings to themselves in the form of "self-talk"
  - Social
  - Negative behaviors or attitudes about those who use drugs or have a SUD
    Structural
    - Policies that lead to increased stigma surrounding drug use
    - Insurance policies, workplace policies
- Healthcare workers bias against patients or colleagues with SUD
  Leads to avoidance of seeking help and/or embarrassment



(Government of Canada, 2022)









- Acute PainChronic Pain
- Inherited predisposition
- Decreased number of intrinsic neurotransmitters
   e.g., dopamine, serotonin

(AANA, 2021)

Behavioral and Social Risk Factors

- ► Poor coping skills
- Personal history of emotional, sexual and/or physical abuse
- ▶ Poor support system
- Stressful home environment
- History of alcohol abuse
- ► History of drug abuse

Workplace Specific Risk Factors for the Development of a SUD

- Stressful work environment
- Production pressure
- Poor work-life balance
- ► Burnout
- ► Fatigue

Anesthesia Specific Risk Factors

- Increased risk within the first 5 years of becoming a CRNA
- Direct Access to addictive substances including: IV anesthetics, opioids, benzodiazepines, inhalational agents, among other drugs with the potential for abuse
- Exposure and potential sensitization to the medications that are administered daily

(AANA, 2021)

Physical Signs of Impairment

- Significant weight loss
- Bloodshot eyes
- Dilated or pinpoint pupils
- ► Drowsiness
- Slurred speech
- ► Needle marks
  - Often non-visible injection sites are chosen

(Rupprecht

Behavioral and Psychological Signs of Impairment

#### ► Mood swings

- ▶ Irritability or hostility
- Poor or (increased) performance
- Increase number of errors or injuries
- ► Confusion
- Memory loss
- Poor concentration
- Social withdrawal from friends, family, or hobbies

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Potential Signs of Drug Diversion

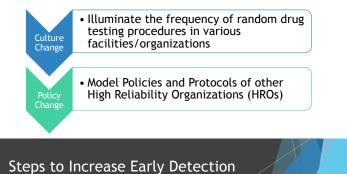
of Substance Misuse

- Provider who uses more controlled substances than expected for case
   Overtime long hours offer
- Overtime, long hours, offering to relieve colleagues often
- Arrives early or stays late often
- Multiple bathroom breaks
- Refusing relief for breaks
- Drugs or syringes in pockets
- Increased amount of unwitnessed drug wasting

(AANA, 2021)

Anesthes				
	Avila et al. (2021) n= 518	Tylka et al. (2022) n= 404	Bell et al. (2006) n= 2736	Bell et al. (1999) n= 1709
Opioid	85%	80%	51%	24%
Propofol	21%	11%	15%	25%
Benzodiazepines	15%	11%	18%	40%
Inhalation	9%	5%	14%	25%
Polysubstance	9%	9%		64%
Dissociative drugs	4%	6%	2%	16%

Most Common Substances Abused in





### If you suspect a co-worker of substance use

#### Acute incident:

- Ensure the safety of the patient Ensure the safety of the provider
- Do not let the person out of your sight and do not let them drive
- Include a trained interventionist, family, spouse, and colleagues Have a bed in a treatment facility
- ready
- As a last resort call the police only in cases of fear of harm to the person or others

#### If you suspect a co-worker of substance use

#### Suspected:

- Review employer's policies
- Assemble an intervention team, ► including a trained interventionist Invite the individual into an ►
- intervention meeting ►
- Do not let the person out of your sight and do not let them drive •
- Have a bed in a treatment facility ready As a last resort call the police only in cases of fear of harm to the person or others

Reporting is Mandated under the Illinois Nursing Practice Act Section 1300.110 Mandatory Reporting of Impaired Licensees

# "In the **past 12 months**, have you suspected a colleague of abusing or using drugs at work?"

"If yes, what did you do with that information?"	Avila et al. (2021) (n=56)	Tylka et al. (2022) (n=35)	
I reported my concerns to a supervisor	59%	40%	
I did not take any action	<u>34%</u>	<u>46%</u>	
I discussed it with the person suspected of using the drug	11%	3%	
Other	5%	11%	
I talked to the Human Resources department at work	4%	0%	
I called the AANA 24-hour Helpline or another substance abuse helpline	2%	0%	

"What do you think the barriers are to peer reporting of substance abuse?"	Avila et al. (2021)	Tylka et al. (2022)
Fear that you are wrong*	<u>87%</u>	<u>64%</u>
Loss of license, job & income for the colleague	63%	38%
Fear of getting colleague "in trouble"	57%	37%
Fear of reprisal or retribution from colleagues	52%	32%
Denial of the problem	45%	21%







	https://www.parkdalecente	r.com/	
Ę	Substance Use Treatment	<u>(888) 883-8433</u>	
<b>P</b>	Individual Mental Health Counseling	<u>(219) 791-1006</u>	



### Barriers to Re-entry

<b>P</b>	Personal	Feelings of shame Stigmatization Fear of relapse
<b>.</b>	Professional	Punitive actions by state BONs Limited access to employment
	Practice	Lack of education on SUD Lack of collegial support Negative attitudes/work culture

- Begins with self-reporting
  Acknowledge impairment
- Confidential
- Agree to a non-negotiable contract that requires completion of the ATD program in lieu of disciplinary action
- In patient treatment or intensive outpatient treatment
- 2-5 years of monitoring
  Random drug testing
- Participation in a 12-step program
- Retention, Rehabilitation, and Re-entry









# **Thank You!**



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