






Substance Use:
The Comeback of Fatal Drugs from the Past

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Learning Objectives



1. Learn the **evolution** and the **mutation** of Dangerous Drugs and its impact on our lives.
2. Understand **Opioid Use Disorders** (OUD) and other **Deadly Drug Use** & the individuals ambivalence & resistance to quit
3. Gain some **information** and **principles** used to help others and yourself.



Question # 1

A NON-FATAL OVERDOSE INDICATES A PERSON:

- a) Is lucky
- b) Has protective attributes that protects them from overdosing
- c) Is 1-10 times more likely to experience a fatal overdose if they continue using
- d) None of the above



Primary Drugs of Use / Abuse

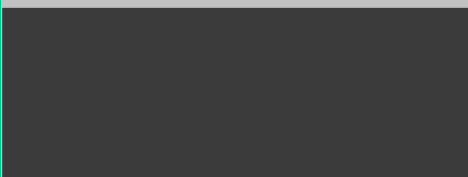
MIND & MOOD ALTERING

- Alcohol
- Depressants
- Hallucinogens
- Cannabis
- Narcotics
- Stimulants
- Inhalants
- Tobacco
- Designer Drugs
- Energy Drinks
- Medications
- "Whatever..."



WAR-on-DRUGS

Moment of Silence for the Casualties



- Moment of Silence , Prayer & Action for those who are starting to Experiment/ Use



WAR-on-DRUGS

Moment of Silence for the Casualties

- USA- 108,000 Died in 2021
 - 293 q/d or 12 p/ hr
- Mich. - 2,809 Fatal Overdoses
 - 26 q/d
 - 30,920 Non-Fatal Overdoses
 - 85 q/d or 3.5 p/ hr
- 1-10% will become Fatal Overdoses if the usage continues



Michigan E.D. Statistics

www.michigan.gov/opioids

Year	FATAL OVERDOSES	NON-FATAL
2019	2,354	32,543
2020	2,738	30,582
2021	2,809	30,920

Factors Leading to ED Visit:

Non-Fatal OD, Withdrawal Discomfort, Injection-Related Infections, Desire For Treatment (Help)

Note: Survivors are @ higher rate for fatal OD later

(IF adequate follow-up and referral isn't achieved)



Question # 2

_____ is involved in more OD's than other drugs combined.

- a) ALCOHOL
- b) METHAMPHETAMINE
- c) FENTANYL
- d) HEROIN
- e) COCAINE



OVERDOSE STATISTICS (CDC Data)

- ✓ 1970 - < 7,200 (prior Heroin epidemic)
- ✓ 1988 - 9,000 - Crack epidemic
- ✓ Drug OD Deaths increased per year by 54% from **41,340 in 2011** to **63,632 in 2016**
- ✓ 2017- **70, 237 OD's**
- ✓ 2018- **67,367 OD's**
- ✓ 2019- **70,630 OD's**
{4,777 Suicides by OD}
- ✓ **2020- 93,000 OD's** during COVID
✓ = 250 q/d = 11 p/hr
- ✓ **11/2021- 106,850 + OD's = 293 q/d or 12 p/hr**



OVERDOSE STATISTICS



- ✓ 21- 29% of those prescribed Opioids for chronic pain abuse them.
 - ✓ 8 – 12% of those using an Opioid for chronic pain develop an Opioid Use Disorder
 - ✓ 4- 6 % of those who misuse prescribed opioid painkillers transition to Heroin
 - ✓ More OD deaths caused by prescription drugs/ painkillers than by heroin or cocaine alone
 - ✓ Fentanyl) 64% (2021); 49% in 2020 (a 15% increase)
 - ✓ multiple other drugs (incl. methamphetamine) >25%
 - ✓ # of drugs ingested directly related to fatal OD
- News Flash: People use multiple drugs*



OVERDOSE STATISTICS



- ✓ US Gov't seized enough Fentanyl in 2021 to give **every** American a lethal dose
- ✓ A sugar pack size of Fentanyl could kill 500 people
- ✓ **PLEASE WATCH: "IF THEY HAD KNOWN"**
 - a 35 minute documentary on YouTube -



Question # 3

Morphine, codeine, and heroin have what in common?

- They are all available without a prescription.
- They are all amphetamines.
- They are all opioids.
- They are illegal in the United States



“3 Score & 10” Snapshot of Addiction

- ✓ “Marijuana/ “Reefer”- 1950’s
- ✓ (“Man With The Golden Arm”-1955)
- ✓ LSD/ ACID – 1960’s
- ✓ “Speed Kills” & Heroin – 70’s (War Declared?)
- ✓ Cocaine, Freebase & Crack- 80s...
- ✓ Designer Drugs/ Synthetics – 2000...
- ✓ Opioids & Pharm. Painkillers- + **NOW**

ADDITION = ADDITION (Add-It-On)



Mutation of Addiction: Gateway

Before: Beer, Wine, Marijuana

> **Hard Drugs: *Narcotics/ Opioids***

- ✓ Darvocet, Percocet, cough syrups, Dilaudid, etc

Now: Vicodin, Oxycontin, other opioids

- ✓ Designer Drugs, Energy Drinks, “Beer, Wine, Marijuana”, Gummies, Edibles, Vaping, benzo’s, Stimulants (Cocaine, Meth, Adderall, etc.), Fentanyl, Carfentanil, etc. etc.

ADDITION = ADDITION (Add-It-On)



Opiates: # 1 Painkiller

Physical and/or Emotional Pain

Historical and Present

- ✓ Morphine, Codeine, Heroin, cough syrup, etc.
- ✓ **Most Powerful Painkiller!**
- ✓ **Psychic Numbing**
- ✓ **EUPHORIA- Feeling No Pain**



Opiates: # 1 KILLER

- Fentanyl (50 - 100 x > Morphine)
- Carfentanil (10,000 x Morphine)
- Bromadol (30-10,000 x Morphine)
- Krokodil- opioid derivative of codeine, 10-15 x Morphine, IV users get ulcers, infections, gangrene
- Purple Heroin, etc...



When Is Enough
Enough?



Opiates: # 1 KILLER

Before: Heroin & Adulterants

- ✓ Lactose, Quinine, Strychnine, etc
- ✓ Pills safer (wysiwyg) = Quality Control

Now: Opioids (+ ?) Fentanyl +

- ✓ Drug is more potent/ lethal
- ✓ Pills NOT SAFE (counterfeit) *FENTAPILL*



Opiates: # 1 KILLER

**“IF YOUR NAME IS NOT ON THE
BOTTLE
- IT IS NOT MEANT FOR YOU TO
SWALLOW!”**

“ONE PILL CAN KILL!”



Mutation of Addiction: Marijuana

Eating more dangerous than smoking?

- ✓ Smoking only takes minutes.
- ✓ Edibles takes 1-3 hours before it is absorbed into bloodstream through the liver.
- ✓ Marijuana related calls to Poison Control Centers increased 35% from 2017 -2019 re **Edibles**
 - ✓ Children w/ Gummies and Edibles
- ✓ Brownies most common but any food can be infused (cooking oil & butter)
- ✓ Vaped Marijuana is odorless & discreet
- ✓ Marijuana and many other drugs have been laced with Fentanyl



“BUT MARIJUANA IS LEGAL.”

“SO WHAT!”



Free or Not: That is the Question

“All things are lawful for me, but all things are not helpful. All things are lawful for me, but I will not be brought under the power of any.”

1 Cor 6:12 NKJV

“Can I control it or will it control me?”

“Will it build me up or will it tear me down?”



Learn To Ask For Help

“Refusing to ask for help when you need it is refusing someone the chance to be helpful”



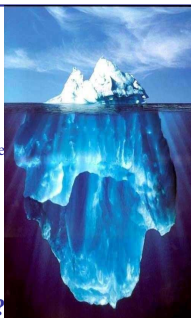
Considerations When Helping

“108,000 Fatal Overdoses”



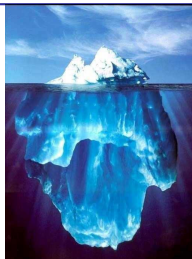
Considerations When Helping

- People = Human Beings
 - Reduce Stigma/ Shame
- Psychological- mind
- Sociological- environment
 - A.C.E. Adverse Childhood Expe
 - Social determinants
- Pharmacologic- drug
- Genetic- DNA
- Brain Disease
- “X” Factor ... Formula??



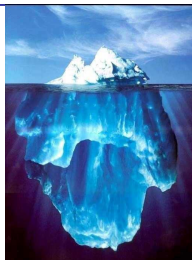
Considerations When Helping

- Substance Use
- Mental Health
- Medical issues
- Family dynamics
- Legal issues
- **Severity of Illness = Intensity of Service**



Considerations When Helping

- **Reducing** the factors or influences that promote continued use
- **Increasing** factors (*or Recovery Capital*) that support abstinence and lifestyle enhancement



Special Considerations: Adolescents

Stages of Use / Abuse

1. Experimental
2. Recreational / Social/ Regular Use
3. Situational / Risky Use
4. Compulsive / Dependency



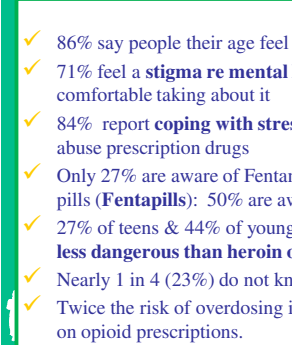
Special Considerations: Adolescents

- ✓ 30-45% of fatal OD's re fake pills for youth 15-24 y.o.
- ✓ Fentanyl is involved in more OD's than other drugs combined. Multiple Drugs normally
- ✓ 2021- 76% or 7,000 youth OD'd with Fentanyl
- ✓ 14 & 17 y.o. more than 2x as impacted in last 5 yrs than all other ages.
- ✓ Dynamic brain changes btw 10-19; highly impressionable & susceptible to many forces *(Clay or Silly Putty?)*



Adolescents- 13-24 y.o.

- ✓ 86% say people their age feel overwhelmed
- ✓ 71% feel a **stigma re mental health** issues w/ only 41% comfortable taking about it
- ✓ 84% report **coping with stress & anxiety** is reason for abuse prescription drugs
- ✓ Only 27% are aware of Fentanyl being used in counterfeit pills (**Fentapills**); 50% are aware
- ✓ 27% of teens & 44% of young adults **believe** Fentanyl is **less dangerous than heroin or cocaine**
- ✓ Nearly 1 in 4 (23%) do not know enough to rate its danger
- ✓ Twice the risk of overdosing if they have family members on opioid prescriptions.
- ✓ Poisoning rises due to parents bringing home pet edibles



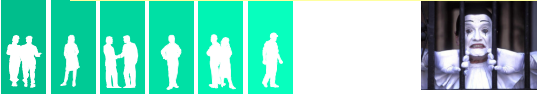
Considerations When Helping

- **Brain Chemistry**
 - Brain needs time to Re-Set
- Longer lengths of intervention strongly correlates to individual improvement/ decreased relapse
- Many Paths to Recovery = Fitness Center
- Working with a person to keep them alive



Nature of Addiction...

*There is 2 natures within my chest;
One is very foul-
One is very blessed.
There is one that I love
and one that I hate;
But the one I feed will dominate.*



Drug- Using Individuals Typically Are: ???

- Committed & **dead**-icated
- Ambivalent about quitting (double minded man)
- Prone to distorting the truth
- Don't know what is good for them (or don't care...)
- In desperate need of help
- Capable of driving the helper **CrAzY!!!**



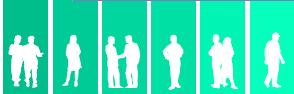
Question # 4

- Harm Reduction and Meeting a person where they are involves:
- a) Supporting the person in using safely if they are not ready to stop
 - b) Use of Narcan, Syringe Exchange and other similar programs
 - c) Embracing Multiple Paths of Recovery
 - d) None of the above
 - e) A, B, & C



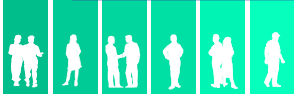
Harm Reduction- Concepts

- ✓ Drugs are a part of our communities- good or bad.
- ✓ Don't judge but work to alleviate harm.
- ✓ **Meeting People Where They Are**
- ✓ If not ready to stop using, educate to safest way to use and **stay alive**
- ✓ Embrace Multiple Pathways of Recovery & Individualized journey



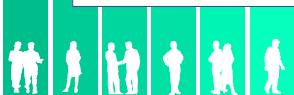
Harm Reduction

- ✓ **Meeting Them Where They Are**
- ✓ **Medication** +...
 - ✓ Psycho-Social Treatment / Support
 - ✓ Counseling
 - ✓ Recovery Coach (Peer- based assistance)
- ✓ **NALOXONE- "Narcan"**
 - ✓ 1st AID for OD's
- ✓ Syringe Exchange Programs
- ✓ Fentanyl Test Strips, Detera Bags, Lock Bags



Harm Reduction

- ✓ Encourage Narcan Training & Availability
- ✓ Don't Get High Alone
- ✓ Don't Discourage but Encourage the use of M.A.T.
- ✓ Treatment and other methods of HELP need to be as readily accessible as alcohol and other drugs
(Uber & Lyft)



Question # 5

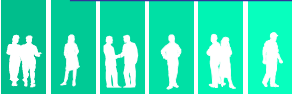
“Protecting Yourself” means which of the following:

- a) Not sharing medications
- b) Only taking prescribed painkiller medications when absolutely necessary
- c) Cleaning out medicine cabinets, discarding old meds not needed
- d) Using condoms and birth control when using medications
- e) A, B & D
- f) A, B & C



Protect Yourself At All Times

- Avoid Opioid Medications (whenever possible)
- Embrace The Pain (when possible)
- Clean Out Medicine Cabinets
- Discard Meds When Not Needed
 - Disposal & Activation Systems/ Deterra Pouches
- Quit Sharing Meds
- Lock Up Medications www.lockyourmeds.org
- **Don't Enable/ Caretake (Prodigal Son Story)**



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INFORMATIONAL SITES

1. Michigan.gov/opioids
2. Justthinktwice.gov
3. Teens.DrugAbuse.gov
4. SongforCharlie.org
5. GetSmartaboutDrugs.gov
6. CDC.gov

Together We Make A Difference