

DRUG AWARENESS AND PREVENTION

**A PRESENTATION FOR
DEPARTMENT OF MEDICAL BIOLOGY
CRIMEA STATE MEDICAL UNIVERSITY
SIMFEROPOL, CRIMEA**

**STUDENT NAME : AJAY KUMAR SHARMA
GROUP: 195B
GUIDED BY:
LRINA KIRILLOVA MAM**

WHAT ARE DRUGS

- A drug is something that affects your body. Drugs must be able to pass through the body and into the brain ;interferes with brain's neurotransmitters .
- Drug is any chemical you take that effects the way your body works .
- Not all the drugs are illegal.
- Drug like cannabis, ecstasy, cocaine are illegal. Other which are against the law include ,heroin, weed, magic mushrooms, alcohol etc.



TYPES OF DRUGS :

There are 3 main types of drugs:

1. Depressants : Depressants are drugs that inhibit the function of the central nervous system (CNS) and are among the most widely used drugs in the world. These drugs operate by affecting neurons in the CNS, which leads to symptoms such as drowsiness, relaxation, decreased inhibition, anesthesia, sleep, coma, and even death.

These are include:

- Alcohol.
- Barbiturates.
- Benzodiazepines.
- Many sleeping pills.
- Opioids.



STIMULANTS

Stimulants are a class of drugs that speed up the messages between the brain and the body. They can make a person feel more awake, alert, confident or energetic. Large doses of stimulants can cause over-stimulation, causing anxiety, panic, seizures, headaches, stomach cramps, aggression and paranoia.

These include:

- * Caffeine,
- * nicotine,
- * amphetamines,
- * cocaine.



HALLUCINOGENIC

Hallucinogens are a diverse group of drugs that alter a person's awareness of their surroundings as well as their own thoughts and feelings. They are commonly split into two categories: classic hallucinogens (such as LSD) and dissociative drugs (such as PCP)

These include

- * LSD.
- * Psilocybin (magic mushrooms).
- * peyote (mescaline).
- * DMT.
- * Ketamine (Special K).
- * PCP (phencyclidine).



DRUG ADDICTION

Drug addiction, also called substance use disorder, is a disease that affects a person's brain and behavior and leads to an inability to control the use of a legal or illegal drug or medication. Substances such as alcohol, marijuana and nicotine also are considered drugs. When you're addicted, you may continue using the drug despite the harm it causes.

The risk of addiction and how fast you become addicted varies by drug. Some drugs, such as opioid painkillers, have a higher risk and cause addiction more quickly than others.



WHY DO PEOPLE GET ADDICTED TO DRUGS AND ALCOHOL .

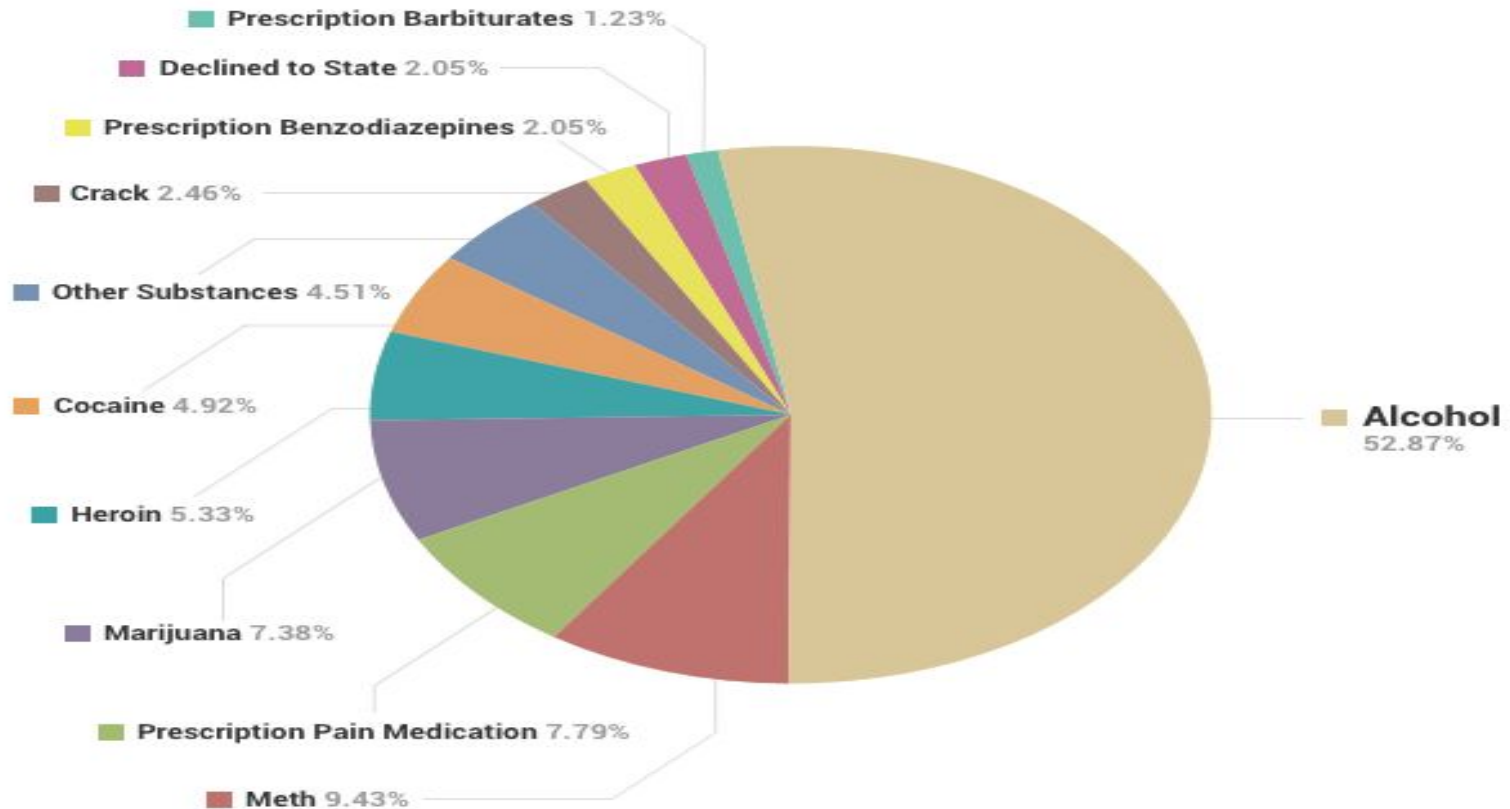
- Because of the extra dopamine, the brain chemistry changes.
- The brain stop making enough of its dopamine.
- Without enough dopamine, the user fill flat, depressed and lifeless.
- The user needs more and more drugs to feel good.
- The brain changes make the user need the drug just to feel normal.



MOST TREATED DRUGS

Most Treated Substances

(n = 244)



CAUSE OF DRUG ADDICTION

UNDERLYING CAUSES OF STUDENT SUBSTANCE ADDICTION



WHY DO PEOPLE USE DRUGS

People use alcohol and other drugs (AOD) for a variety of reasons:

- To relax
- For enjoyment
- To be part of a group
- Sometimes to avoid physical and/or psychological pain
- Experiment out of a sense of curiosity
- Excitement
- Rebellion.¹

Alcohol and other drugs may also be used to:

- Cope with problems
- Relieve stress
- Overcome boredom.



*EFFECT OF DRUG USAGE

- *Damaged immune system, which increases susceptibility to infection
- *Cardiovascular conditions, including heart attacks and collapsed veins
- *Nausea, vomiting, and abdominal pain
- *Liver overexertion or liver failure
- *Seizures and strokes
- *Widespread brain damage that can interfere with memory, attention, and decision-making, as well as permanent brain damage

Side effects of chronic use of Cocaine

Brain:

- Increased risk of strokes
- Reduced attention
- Insatiable hunger
- Insomnia/Hypersomnia
- Lethargy

Systemic:

- Fever
- Eosinophilia

Nose:

- Rhinorrhea (discharge)

Throat:

- Soreness
- Hoarse voice

Teeth:

- Bruxism (abrasion)

Lungs:

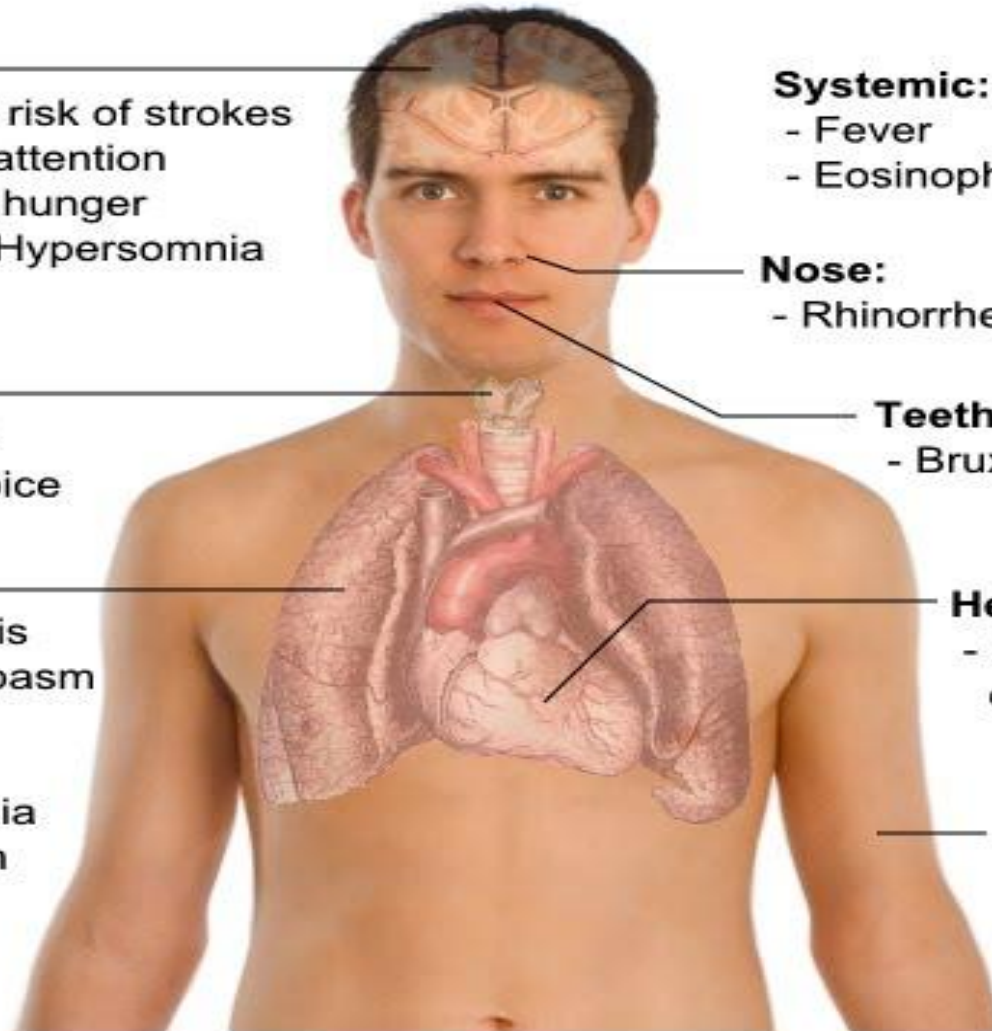
- Hemoptysis
- Bronchospasm
- Dyspnea
- Infiltrates
- Eosinophilia
- Chest pain
- Asthma

Heart:

- Increased risk of infarction

Skin:

- Pruritus



Physical effects of Lysergic acid diethylamide (LSD)

Systemic:

- Increased temperature

Pupils:

- Dilation

Mouth:

- Dryness

Blood:

- High blood pressure

Skin:

- Profuse sweating

Heart:

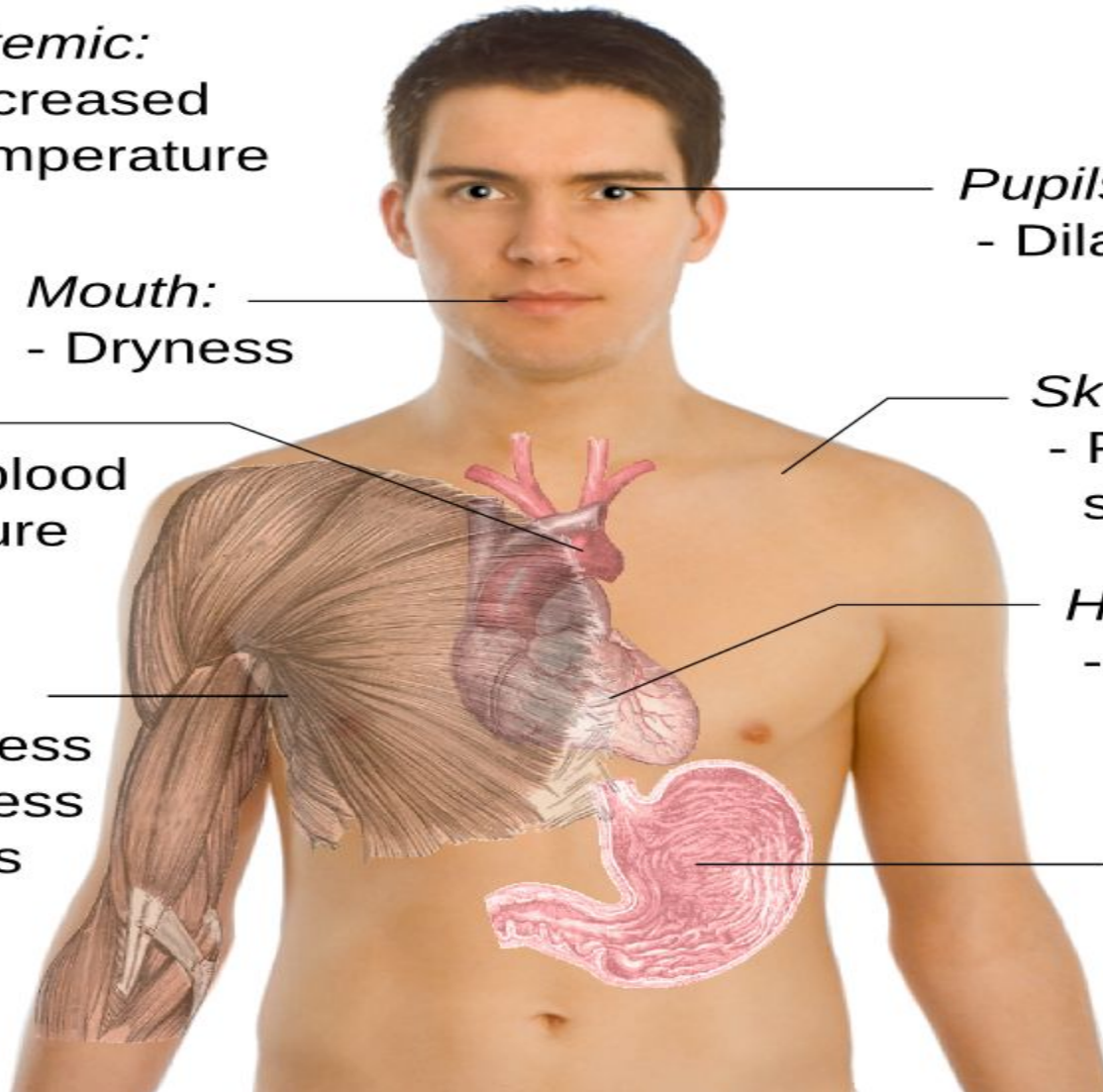
- Increased heart rate

Muscles:

- Numbness
- Weakness
- Tremors

Gastric:

- Nausea



Biology/Genes

Genetics
Gender
Mental disorders



Environment

Chaotic home and abuse
Parent's use and attitudes
Peer influences
Community attitudes
Poor school achievement



DRUG

Route of administration • Effect of drug • Early use • Availability • Cost



Brain Mechanisms



Addiction

9 Ways Tobacco Companies Make Cigarettes More Addictive, More Attractive to Kids and More Deadly

Bronchodilators

Added chemicals expand the lungs' airways, making it easier for tobacco smoke to pass into the lungs.

Increased Nicotine

Tobacco companies control the delivery and amount of nicotine to ensure addiction

Flavorings

Added flavors like liquorice and chocolate mask the harshness of smoke and make products more appealing to new users, especially kids.

Tobacco-specific Nitrosamines

American-style cigarettes are made with blended tobacco that has much higher levels of cancer-causing nitrosamines.

Ammonia Compounds

Adding ammonia compounds increases the speed with which nicotine hits the brain.

Ventilated Filters

Ventilation holes in the filters cause smokers to inhale more vigorously, drawing carcinogens more deeply into the lungs.

Menthol

Menthol cools and numbs the throat to reduce irritation and make smoke feel smoother.

Sugars and Acetaldehyde

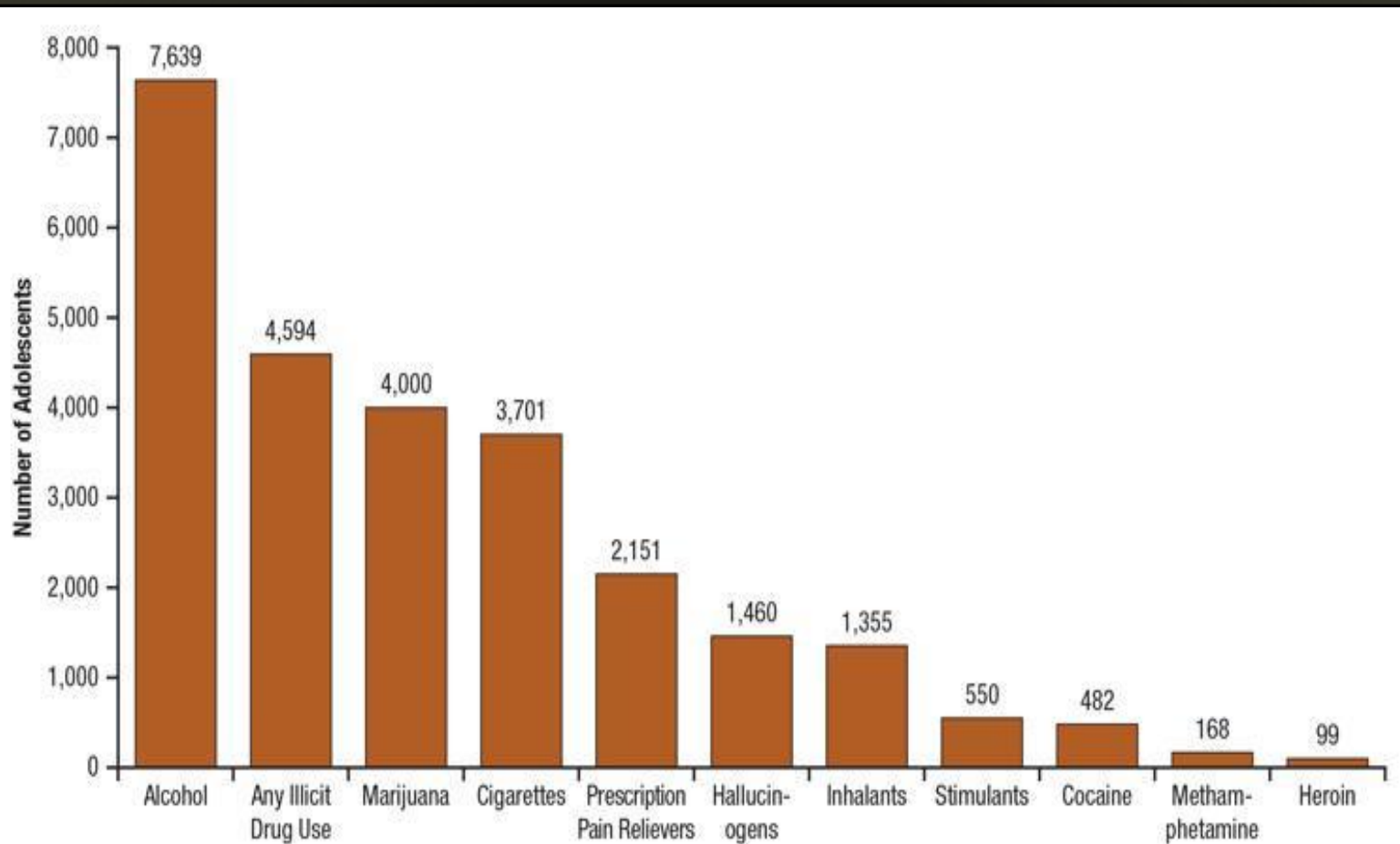
Added sugars make tobacco smoke easier to inhale and form acetaldehyde, which enhances nicotine's addictive effects.

Levulinic Acid

Added organic acid salts reduce harshness of nicotine and make smoke smoother, less irritating.



NUMBER OF ADOLESCENTS VS DRUGS



Source: 2010 and 2011 SAMHSA National Surveys on Drug Use and Health (NSDUHs).

SIGN & SYMPTOMS OF DRUGS

- Bloodshot eyes and frequent bloody noses.
- Shakes, tremors, or slurred speech.
- Change in their daily routines.
- Lack of concern for personal hygiene.
- Unusual need for money; financial problems.

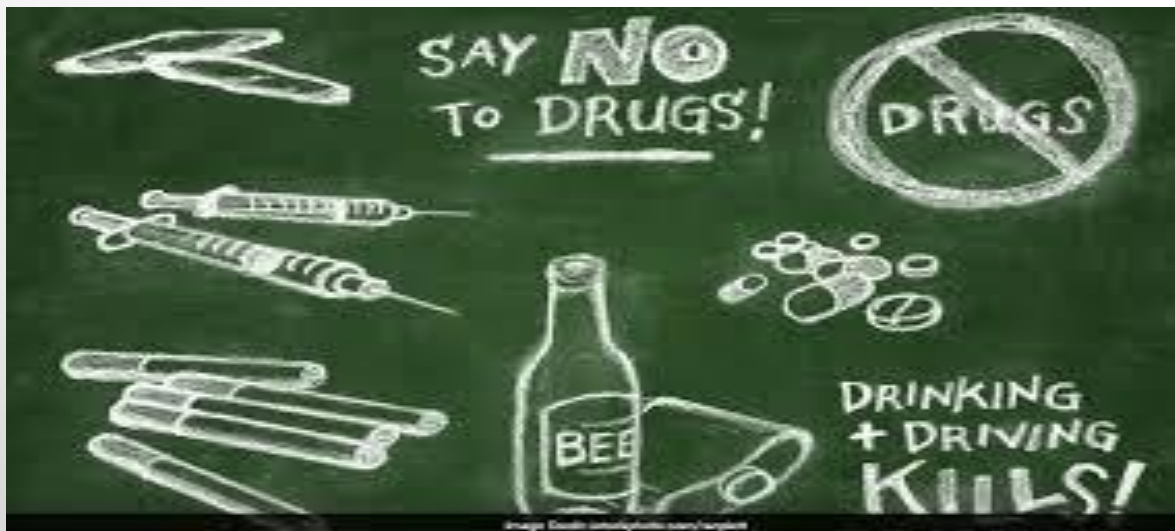


PREVENTION OF DRUGS

- Making a legislation control over narcotic and drugs
- Controlling the production and dispensing these drugs
- Controlling the availability of these drugs.
- Dispensing only according to a registered physicians prescription.
- Motivate people to stop using drugs.



PREVENTION IS ITSELF CURE TO DRUGS



QUOTES



**DONT FALL
INTO THE
DEATH
TRAP**

SLOGANSHUB.ORG

**“Drugs
Aren'T
Cool,
They
Make
You Look
Like
A Fool”**

The Fresh Quotes

**DRUGS TAKE YOU
TO HELL,
DISGUISED AS
HEAVEN**

—Donald Lyn Frost

recoveryexpert.com

**“DRUGS ARE A WASTE OF TIME.
THEY DESTROY YOUR MEMORY
AND SELF RESPECT, AND
EVERYTHING THAT GOES
ALONG WITH YOUR
SELF ESTEEM.” —KURT
COBAIN—**

Alcoholism and drug addiction are
killer of mental and physical health.

Alcoholic and drug addicts are
killing themselves slowly.

—Dr TACHA

recoveryexpert.com

