PSILOCYBIN & MDMA

[3-(2-Dimethylaminoethyl)-1H-indol-4-yl] dihydrogen phosphate C12H17N2O4P

3,4-Methylenedioxymethamphetamine C11H15NO2

MDMA, because of its uncanny ability to foster feelings of security and well-being combined with acute focus, creates an ideal state for exploring traumatic events in the past. When the overarching feeling is 'safety', the mind is comfortable to explore, repattern and heal trauma that may be quarantined in the deep recesses of the brain.

Psilocybin diverts cognitive priority from fear and survival based

mechanisms to more conscious thought patterns, facilitating new ways to look at problems and reprogram mental disease. It can be an incredibly spiritual experience, often offering a different perspective on death and the nature of life itself.

1 IN 5 MOOD

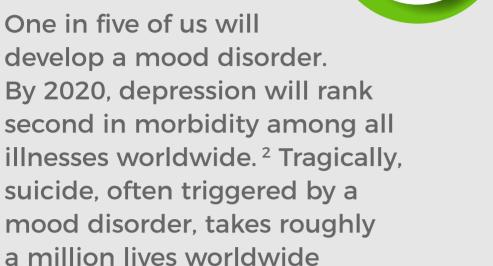
CANDIDATES

DISORDERS One in five of us will

40 MILLION

ADDICTION

every year. 3



Addiction is America's most neglected disease. According to a Columbia University study, "40 million Americans age 12 and over meet the clinical criteria for addiction involving nicotine, alcohol or other drugs." That's more Americans than those with heart disease.

diabetes or cancer. 4



VETERANS AND FIRST RESPONDERS who served in Iraq or Afghanistan suffer from PTSD. 1

500,000

8.3 MILLION



PSYCHOLOGICAL DISTRESS About 3.4 percent of the U.S. adult population, suffer from serious

psychological distress, defined as a mental health problem severe enough to require treatment. 5 70% OF



TRAUMATIC EVENT at least once in their lives. This equates to approximately 223.4 MILLION PEOPLE ⁶

PSYCHOTHERAPY PSYCHOTHERAPY



1 SINGLE DOSE CURED^{7,8}

PSILOCYBIN-ASSISTED

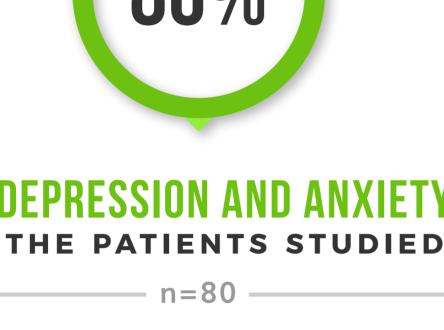
3 SESSIONS CURED PTSD9 Flexible dose of 75-187.5 mg

MDMA-ASSISTED



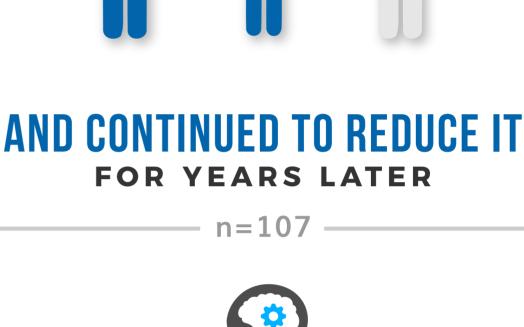


80%



PSILOCYBIN-FACILITATED SMOKING CESSATION¹⁰

Flexible dose of .29mg-.43mg per kg



WHO HAD EXPERIENCED MDMA¹¹

72% of MDMA

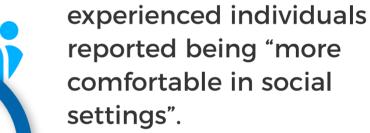
SURVEYED 100 AUTISTIC ADULTS



n = 15 -

ANXIETY DISORDERS ALONE HAVE AN ANNUAL COST OF

YTE.U DIEEIUN



12% indicated that these effects lasted for **TWO OR MORE YEARS**

n = 150

PTSD IS THE MOST COSTLY

prolactin, dopamine, norepinephrine

Enhanced communication

Reduced feelings of fear

Increased feelings of well-being

Increased interpersonal trust

(noradrenaline), and serotonin.

Increased empathy

and compassion

and introspection



By enabling veterans to get off disability and return to work, this treatment could reduce the need for VA services, improve wait times, and reduce reliance on Social Security.

WHAT DOES IT FEEL LIKE?

THE SUBJECTIVE THE SUBJECTIVE

EFFECTS OF MDMA EFFECTS OF PSILOCYBIN Psilocybin is a is a molecule that activates MDMA affects the brain by a particular type of serotonin receptor in increasing activity levels of oxytocin,

of connectedness

(mixing sensory modalities)

the brain, and diverts cognitive priority

to areas associated with higher

New perspective on

emotional experiences

Increased introspection

Altered sense of time

Heightened feelings

thought processes.

Synaesthesia

Alert state of consciousness

MYTHS IS SUPPORTING FULL LEGALIZATION All of the current clinical trials are testing psychedelic medicine in controlled settings, with skilled practitioners present. Should psilocybin or MDMA become legal for

SUPPORTING PSYCHEDELIC MEDICINE

SHROOMS ARE POISONOUS It's important to differentiate mushroom poisoning from

non-hallucinogenic species and

species. The active ingredient in

"intoxication" with hallucinogenic

'Magic Mushrooms', psilocybin, has

been shown to be safe for human

medicinal use it will remain under these controlled conditions.

consuption in clinical research. **SHROOMS MAKE YOU GO INSANE**

There is no conclusive evidence suggesting that ingestion of psilocybin increases prevalence of mental health problems. However people with pre-existing conditions should refrain from recreational psychedelic use in the absence of a skilled medical practitioner.

http://med.stanford.edu/mooddisorders.html.

prevent/en/.

New York, USA, 2013.

Adults," Sofia University, 2013.

these names may contain MDMA, but frequently also contain unknown and/or dangerous adulterants. These adulterants and substitute chemicals can

be dangerous and as such, recreational

use of "MDMA" contains inherent risk.

MDMA EATS AWAY

AT YOUR BRAIN

to the contrary have subsequently been retracted, as MDMA was accidentally mislabeled as the amphetamine tested. 1. M. Thompson, "Unlocking the secrets of PTSD," Time, vol. 185, no. 12, pp. 40-3, Apr. 2015. 2. Stanford Mood Disorders Center, "Pioneering Solutions for Depression and Bipolar Disorder," 2017. [Online]. Available:

- 5. J. Weissman, D. Russell, M. Jay, J. M. Beasley, D. Malaspina, and C. Pegus, "Disparities in Health Care Utilization and Functional Limitations Among Adults With Serious Psychological Distress, 2006-2014," Psychiatr. Serv., p. appi.ps.2016002, 2017.
- 7. R. R. Griffiths et al., "Psilocybin produces substantial and sustained decreases in depression and anxiety in patients withlife-threatening cancer: A randomized double-blind trial," J. Psychopharmacol., vol. 30, no. 12, pp. 1181-1197, Dec. 2016 8. S. Ross et al., "Rapid and sustained symptom reduction following psilocybin treatment for anxiety and depression in patients with life-threatening cancer: a randomized controlled trial," J. Psychopharmacol., vol. 30, no. 12, pp. 1165-1180, Dec. 2016.

9. B. Burge, "PRESS RELEASE: FDA Grants Breakthrough Therapy Designation for MDMA-Assisted Psychotherapy for PTSD, Agrees on

- 10. M. W. Johnson, A. Garcia-Romeu, M. P. Cosimano, and R. R. Griffiths, "Pilot study of the 5-HT 2A R agonist psilocybin in the treatment of tobacco addiction," J. Psychopharmacol., vol. 28, no.11, pp. 983-992, Nov. 2014. 11. A. Danforth, "Courage, Connection, And Clarity: A Mixed-Methods Collective-Case Study Of Mdma (Ecstasy) Experiences Of Autistic
- Special Protocol Assessment for Phase 3 Trials," Maps, 2017. [Online]. Available: http://www.maps.org/news/media/6786-pressrelease-fda-grants-breakthrough-therapy-designation-for-mdma-assisted-psychotherapy-for-ptsd, -agrees-on-special-protocol-assessment-for-phase-3-trials.

6. PTSD United, "PTSD Statistics," 2013. [Online]. Available: http://www.ptsdunited.org/ptsd-statistics-2/.

Substances sold on the street under

MDMA IS THE SAME AS

"ECSTASY" OR "MOLLY."

There is no clinical evidence that moderate use of MDMA can cause damage to your brain. Frequent, high dose use can cause heart problems and memory problems. Early studies

3. World Health Organization, "Suicide Data," 2017. [Online]. Available: http://www.who.int/mental_health/prevention/suicide/suicide 4. National Center on Addiction and Substance Abuse at Columbia University, "Addiction: A Preventable and Treatable Disease," New York,