

# Town of Hanover

## Medical Marijuana Information Package

*Information as of 6/21*

Presented By:



# Hanover Information Package

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## Mass Organic Therapy, Inc.

- A team of seasoned executives with experience creating and operating successful companies in the State of Massachusetts
- Team has direct experience with medical marijuana cultivation as well as large commercial grow operations.
- Working with Mr. Joseph F. Lusardi (PalliaTech President & CEO), who designed and implemented the business plan for both Maine's first licensed dispensary – Maine Organic Therapy as well as the ATG, the first Registered Marijuana Dispensary to open in Massachusetts.
- Our group was vetted by the State in 2014 application process. Out of almost 200 applicants we had the 2nd highest score in the State. Unfortunately, we had the misfortune of applying for the same town (Plymouth) as the former US Congressman Bill Delahunt who had the highest score.
- Applied for 3 Registered Marijuana Dispensaries in 2015, received 1<sup>st</sup> Provisional Certificate on 5/17/16.



# History of Medical Marijuana in Massachusetts

- November 6, 2012, 63% of Massachusetts voters approved Question 3, the Massachusetts Medical Marijuana Initiative.
- Law took effect on January 1, 2013, eliminating criminal and civil penalties for the possessions and use of up to a 60-day supply of marijuana for patients possessing a state issued registration card.
- With a recommendation by a physician, patients with cancer, glaucoma, and other medical conditions can receive a registration card.
- Initial legislation allowed for 35 state-licensed non-profit dispensaries.
- Attorney General Martha M. Coakley ruled that cities and towns cannot ban dispensaries, and can only regulate them. Complete bans would conflict with the law.



## History of Medical Marijuana in Massachusetts (cont.)

- Only 14 original licenses were awarded during the 2014 application process, while the law stated 35 should be awarded.
- The first dispensary in Massachusetts opened in Salem in June 2015, since then five more dispensaries have passed inspection and have opened to patients (Ayer, Brockton, Brookline, Northampton, and Lowell).
- With new Baker administration the 2015 application process has changed, there is no cap, and it's a rolling admission with more transparency.
- As of June 21<sup>st</sup> '16, there were 173 new applications for unique RMDs, with many groups applying for the max of 3 dispensaries.



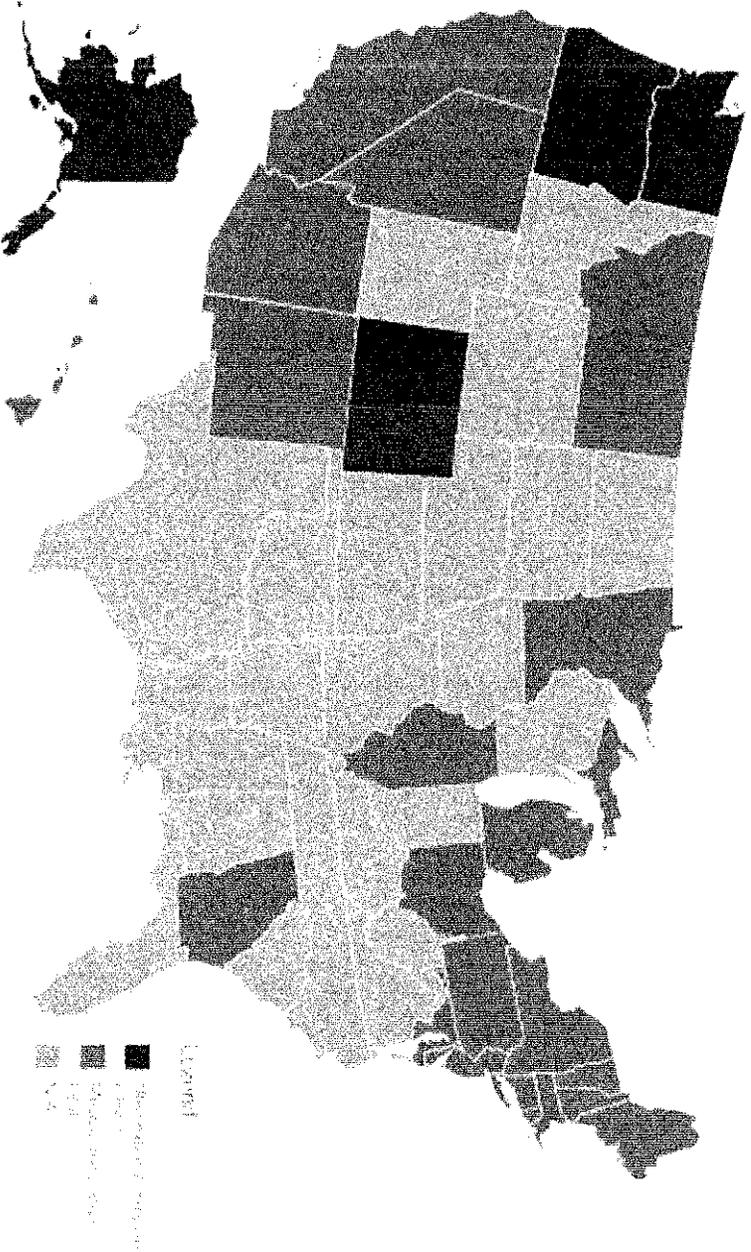
## Patient Restrictions

- **Qualifying Patient** means a Massachusetts resident 18 years of age or older who has been diagnosed by a Massachusetts licensed certifying physician as having a debilitating medical condition, or a Massachusetts resident under 18 years of age who has been diagnosed by two Massachusetts licensed certifying physicians, at least one of whom is a board-certified pediatrician or board-certified pediatric subspecialist, as having a debilitating medical condition that is also a life-limiting illness, subject to 105 CMR 725.010(J).
- **Debilitating Medical Condition** means cancer, glaucoma, positive status for human immunodeficiency virus (HIV), acquired immune deficiency syndrome (AIDS), hepatitis C, amyotrophic lateral sclerosis (ALS), Crohn's disease, Parkinson's disease, and multiple sclerosis (MS), when such diseases are debilitating, and other debilitating conditions as determined in writing by a qualifying patient's certifying physician.
- **Life-Limiting Illness** means a debilitating medical condition that does not respond to curative treatments, where reasonable estimates of prognosis suggest death may occur within two years.



# Medical Marijuana in America

Recreational pot is legal\* in four states and D.C., while medical marijuana is legal in 22 other states.



\*Voters in Oregon, Alaska and Washington, D.C., approved legalizing recreational marijuana in November 2014.

California	1996
Alaska	1998
Oregon	1998
Washington	1998
Maine	1999
Colorado	2000
Hawaii	2000
Nevada	2000
Montana	2004
Vermont	2004
Rhode Island	2006
New Mexico	2007
Michigan	2008
Arizona	2010
DC	2010
New Jersey	2010
Delaware	2011
Connecticut	2012
Massachusetts	2012
Illinois	2013
New Hampshire	2013
Maryland	2014
Minnesota	2014
New York	2014
Georgia	2015
Ohio	2016
Pennsylvania	2016

# Marijuana As Medicine

- There are over 400 natural compounds in medical marijuana and, of these, eighty are only found in cannabis plants. These eighty special compounds are known as cannabinoids. Cannabinoids relieve symptoms of illness by attaching to neurological receptors in the brain that control appetite, pain sensation, mood and memory.
- There are five major cannabinoids in medical marijuana that are particularly effective for relieving symptoms of illness, but alone, none of the five major cannabinoids are as effective as when they work together.
- Professional medical marijuana growers can analyze their medical marijuana strains to breed and grow medication for patients with the desired range of levels of each major cannabinoid. Using this knowledge of what each compound does helps medical marijuana pharmacists, or budtenders, find the right combination for patients to treat specific conditions and find maximum relief.



## Methods of Consumption

These days most patients no longer smoke marijuana, but use vaporizers that heat up the plant without creating carcinogens, and then inhale the vapor.

The Massachusetts regulations state that a Registered Marijuana Dispensary (RMD) must offer patients Marijuana-Infused Products (MIPs) as an alternative to just the plant.

*These are defined as “a product infused with marijuana that is intended for use or consumption, including but not limited to edible products, ointments, aerosols, oils, and tinctures. These products, when created or sold by a RMD, shall not be considered a food or a drug as defined in M.G.L. c. 94, s. 1.”*

Examples of edible products includes brownies and canna butter (for cooking).

Tinctures allows the patient to place a few drops under their tongue for fast & effective treatment.



# The Opioid Problem

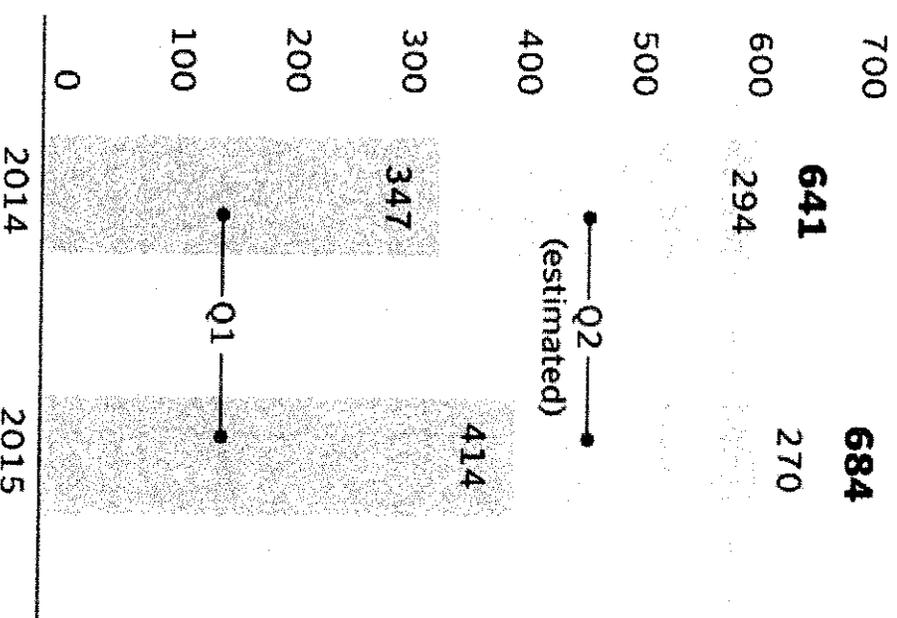
Both Governor Baker and President Obama have acknowledged the growing threat of Opioids.

The U.S. makes up 5 percent of the world's population but consumes 80 percent of the world's opioids.

In a state with 6.7 million people, 4.4 million opioid prescriptions — including 240 million pills, capsules, or tablets — were dispensed in 2014.

The health department has confirmed that 1,089 people died of opioid overdoses in MA in 2014.

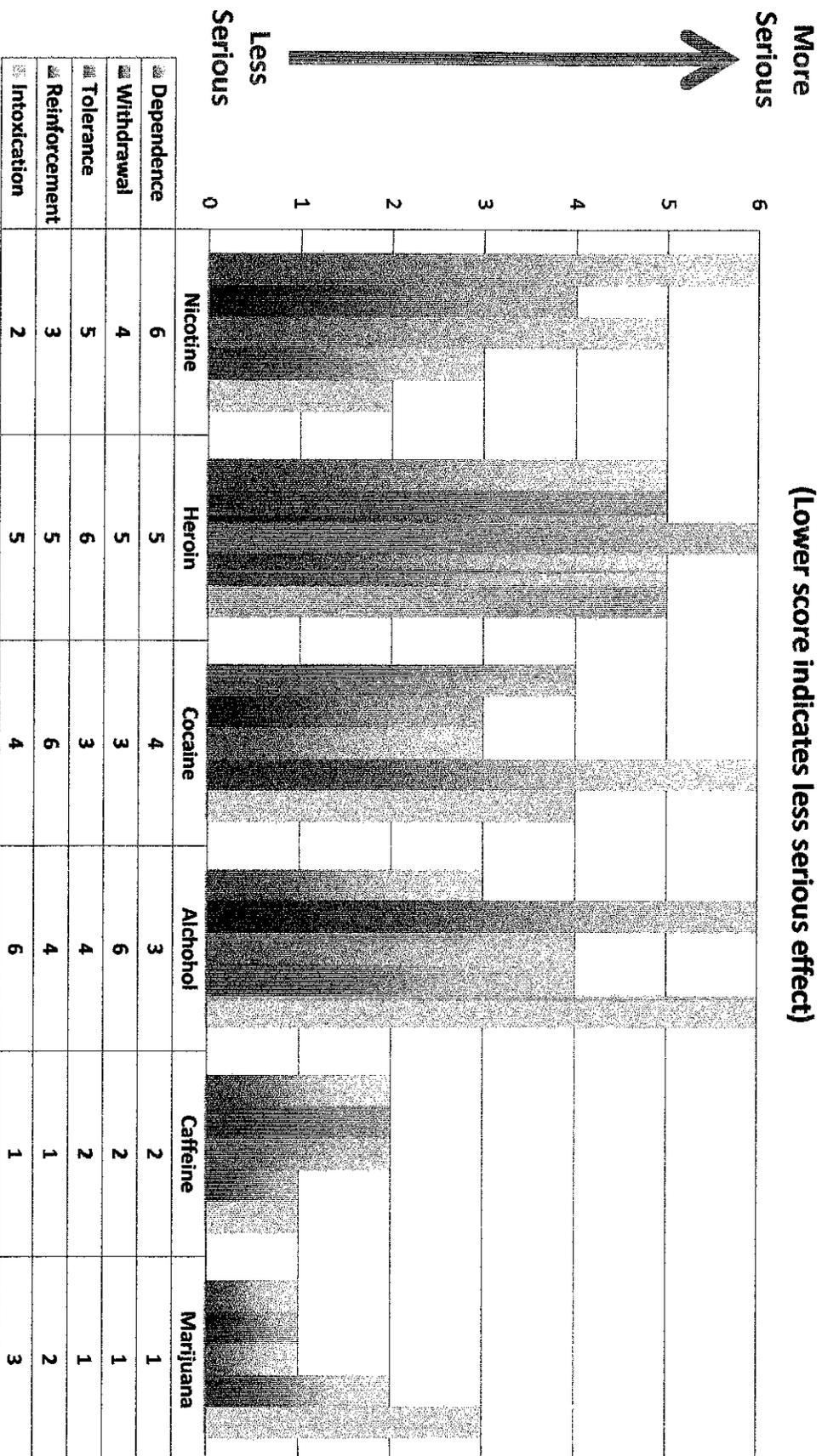
Massachusetts deaths due to opioid overdoses.



# Appendix – Comparing Dangers of Popular Drugs

## Comparing Dangers of Popular Drugs

(Lower score indicates less serious effect)



# Appendix – Key Medical Compounds

THC in medical marijuana acts in the following ways:

- anti-epileptic
- anti-inflammatory
- anti-depressant
- stimulates appetite
- lowers blood pressure

Cannabidiol's (CBD) effects include:

- reduced pain
- reduced anxiety
- reduced nausea
- sedative effects
- anti-convulsive
- anti-schizophrenic

Cannabinol (CBN) can be particularly helpful for:

- glaucoma
- analgesic
- anti-seizure

Cannabichromene (CBC) working together with THC is known to be a:

- sedative
- analgesic
- anti-inflammatory

Cannabigerol (CBG) has physical effects such as:

- lowering pressure in the eye
- anti-inflammatory
- sedative
- sleep assistance