Medical Marijuana, Hemp
And the FDA

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Cannabis Law PA
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Conditions

- ALS
- Autism
- Cancer
- Chronic Inflammatory Demyelinating Polyneuropathy
- Crohn’s Disease
- Dyskinetic and Spastic Movement Disorders
- Intractable Spasticity
- Epilepsy/Seizures
- Glaucoma
- Huntington’s Disease
- Inflammatory Bowel Disease (Colitis and Crohn’s)

- HIV/AIDS
- Intractable Seizures
- Multiple Sclerosis
- Neurodegenerative Diseases
- Neuropathies
- Opioid-Use Disorder
- Parkinson’s Disease
- Post-Traumatic Stress Disorder (PTSD)
- Severe Chronic/Intractable Pain
- Sickle Cell Anemia
- Terminal Illness
- Ulcerative Colitis
New forms of medicine

Dry Leaf or Plant - aka Flower

Ability for Dispensaries to purchase, from entities other than G/P, devices that administer mmj

Not yet - cannabis infused foods
# Federal vs. State Authority

<table>
<thead>
<tr>
<th>FEDERAL AUTHORITY</th>
<th>STATE AUTHORITY</th>
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<tbody>
<tr>
<td>FDA - Federal Agency</td>
<td>Pa. DOH – State Agency</td>
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<tr>
<td>DEA - Enforcer</td>
<td>28 Pa.Code § 1131.1 et. seq.</td>
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Federal Roadblocks to Research

**Federal Food & Drug Administration (FDA)**
- Research application review and approval

**Drug Enforcement Administration (DEA)**
- Researcher registration application review
- Approval of additional research marijuana providers

**National Institute on Drug Abuse (NIDA)**
- Responsible for overseeing the cultivation of marijuana for medical research
Research

Potential Therapeutic Uses of Medical Marijuana

- Gliomas
- Alzheimer’s
- Fibromyalgia
- Dystonia
- Hepatitis C
- Diabetes
- Pruritus
- Osteoporosis
- Multiple Sclerosis
- ALS
- Chronic Pain
- Tourette’s Syndrome
- HIV
- Hypertension
- Sleep Apnea
- GI Disorders
- Incontinence
- Rheumatoid Arthritis

MRSA

Herbalism
Is it or isn’t it?
The FDA has not approved marijuana as a safe and effective drug for any indication. The agency has, however, approved one specific drug product that contains the purified substance cannabidiol, one of more than 80 active chemicals in marijuana, for the treatment of seizures associated with Lennox-Gastaut syndrome or Dravet syndrome in patients 2 years of age and older.
FDA approves first MMJ drug for epilepsy
Agricultural Improvements Act of 2018 aka Farm Bill

- < .3% THC
- Not just for pilot programs anymore
- Transport a/c State Lines
- Removes restrictions on sale, transport, and possession
- PA Dept. of Agriculture & USDA
- Research – Still Important Component
October 2014 Study Published in *JAMA Internal Medicine*

60% of all opioid overdoses were among patients having legitimate prescriptions from a single provider.

Found states with medical cannabis laws had a 24.8% lower mean annual opioid overdose mortality rate compared with states without medical cannabis laws.

Mortality rates continued to decline each year after the implementation of the law.
CBD has a “protracted neurobiological effect to counter long-lasting neuroadaptations that specifically govern conditioned cue-induced drug-seeking behavior and relapse.”
Medicaid/Medicare Patient Research

Results of two five-year studies published in April 2018 in the *JAMA Internal Medicine Journal*

1st Study - Researchers found that states with medical marijuana laws had about 6% fewer opioid prescriptions among Medicaid patients compared with states without such laws.

2nd Study - Looked at Medicare Part D patients, found a drop of 8.5% in opioid prescriptions in medical marijuana states.
Other Key Developments 2018 -2019

- Rohrabacher – Blumenauer
- Safe Banking
- Farm Bill