

FREDOM protocol supportive background:

1. Millions of Americans suffer from pain
2. Opiates commonly utilized but are associated with fatal overdoses, long-term use is not recommended by CDC, and opiates often fail to relieve pain
3. Cannabis may be effective for pain relief, and is not associated with fatal overdoses
4. In medical cannabis states, overdose deaths have declined

**GOALS: Patients will maintain or improve pain and quality of life, while reducing opiates through the successful use of cannabis-based medicines**

**Replacing opiates with cannabis extracts for pain management will result in fewer fatal opiate overdoses.**

References:

<http://www.healthquality.va.gov/guidelines/Pain/cot/OpioidTaperingFactSheet23May2013v1.pdf>  
 Bachhuber et al. Medical Cannabis Laws and Opioid Analgesic Overdose Mortality in the United States, 1999-2010. *JAMA Intern Med.* 2014;174(10):1668-1673. doi:10.1001/jamainternmed.2014.4005  
 Dowell D, Haegerich TM, Chou R. CDC Guideline for Prescribing Opioids for Chronic Pain — United States, 2016. *MMWR Recomm Rep.* ePub: 15 March 2016. DOI: <http://dx.doi.org/10.15585/mmwr.rr6501e1er>  
 Haroutounian et al, The Effect of Medicinal Cannabis on Pain and Quality of Life Outcomes in Chronic Pain: A Prospective Open-label Study. DOI: 10.1097/AJP.0000000000000364  
 Hill et al, Medical Marijuana for Treatment of Chronic Pain and Other Medical and Psychiatric Problems: A Clinical Review. *JAMA.* 2015;313(24):2474-2483.  
 Suttner et al, Best Practices in Tapering Methods in Patients Undergoing Opioid Therapy, *Adv Pharmacology and Pharmacy* 1(2): 42-57, 2013. DOI: 10.13189/app.2013.010202

DOSING EXAMPLE

