FROM DREAM WORLD TO DEATH'S DOOR AND BACK: THE OPIOID JOURNEY ON THE FARM

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History of Opioid Use in the US

- In the 60's, 80% of the opioid abusers got hooked on heroin
- In the 2000's, 75% of opioid abusers started with prescription opioids
- An estimated 2.1 million people suffer from Substance Use Disorders related to opioid pain relievers
- The number of unintentional opioid overdose deaths quadrupled since 1999

Agricultural and Rural Issues

- A 2017 survey by the National Farmers Union and the American Farm Bureau revealed that as many as 74% of farmers have been directly impacted by the opioid crisis. 
- A Massachusetts study found that opioid-related deaths in farming, fishing, and forestry was 5 times higher than other workers
- Rates of drug overdoses are rising in rural areas, surpassing rates in urban areas (CDC, 2017)
The Pharmaceutical Industry
Arthur Sackler – Purdue Pharma
1996 OxyContin

Porter and Jick - New England Journal of Medicine
1996: Doctors Urged to treat pain as a vital sign

Portsmouth OH
Dr. David Procter – 1996 Pill Mill

Meanwhile in Xalisco, Nayarit, Mexico..............
The Xalisco Boys Heroin Cells

Omaha

16 States and Counting have Sued Purdue Pharma
However........

OxyContin Maker Granted Patent for Opioid-Addiction Treatment

Purdue Pharma, which helped create the opioid epidemic, has been granted a patent for a drug that would help clean it up. But should they be allowed to profit from their own mess?

Americans consume more opioids than any other country

<table>
<thead>
<tr>
<th>Country</th>
<th>Opioids per 1 million people</th>
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<tbody>
<tr>
<td>United States</td>
<td>40,000</td>
</tr>
<tr>
<td>Canada</td>
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<tr>
<td>Germany</td>
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<tr>
<td>Greece</td>
<td>0.2</td>
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</table>

Source: United Nations International Narcotics Control Board
Credit: Sarah Frankenstein
What are the Prescriptions Medications?

- OxyCodone
- OxyContin, Percocet, Percodan
- Hydrocodone
- Vicodin, Lortab, Lorcet, MS Contin
- Oxymorphone
- Opana
- Hydromorphone
- Dilaudid
- Propoxyphene
- Lamotrigine
- Morphine
- Kadian, Avinza
- Codeine
- Fentanyl

Risk of continued opioid use increases at 4-5 days

Severity and Scope of the Opioid Problem
Treatment: MAT and Therapy

What can we do?

- Medication Assisted Treatment
  - Methadone, Buprenorphine, Naltrexone, Suboxone
- Psychosocial/Behavioral Treatment
  - Outpatient or Residential Treatment
  - Motivational Interviewing/Enhancement
  - Cognitive Behavioral Therapy
  - Contingency Management
  - Family Therapy
  - Group Counseling
  - 12-Step Facilitated Therapy
  - Psychoeducation

Intervention and Treatment Efforts

- Prevention
  - Social Campaigns; Take Back Days; Psychosocial Education
- Prescription Drug Monitoring Programs

Wrap Up

Questions?

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References

- In My Own Words: A Compilation of Essays by Individuals Supported by Medication-Assisted Treatment in Long-Term Recovery at the Addiction Technology Transfer Center (ATTC) Network – 2012 (PDF | 5.63 MB).