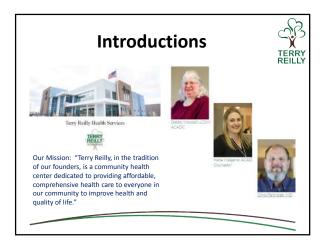


Opioid Use Disorder: Implementation and Troubleshooting Collaborative Medication Assisted Treatment (MAT) In The Primary Care Setting

> **IDAHO CONFERENCE ON ALCOHOL AND** DRUG DEPENDENCY May 16, 2019 12:00pm - 1:30pm



Required Disclosures



- · No actual or potential conflict of interest in relation to this presentation
 - No Relevant Financial Relationships
 - No Relevant Nonfinancial Relationships
- · Some presentation materials adapted with permission from:
 - Provider Clinical Support System (PCSS)
 - RAND Corporation

Learning Objectives



- Understand origins of opioids
- Review the scope and consequences of the opioid crisis
- Identify causes of significant underreporting of opioid overdose deaths in Idaho
- Discuss proposed etiology and responses to the opioid crisis
- Identify gaps and barriers to treatment
- Recognize different treatment philosophies and approaches to opioid use disorder
- Understand the basic pharmacology mechanism of action as it relates to MAT for opioid use disorder (how it works)
- Discuss co-occurring substances and MAT for opioid use disorder
- Understand that MAT with buprenorphine is not just substitution of one drug with another and provides mortality benefit Discuss collaborative care (including "CoOp" model) and psychosocial interventions for opioid use disorder
- Understand patient selection and importance of level / venue of care and consequences of undertreatment or overtreatment
 Discuss barriers to MAT integration into primary care

What's All The Buzz?-What Are Opioids?



- Originally derived from the opium poppy Utilized throughout the world for various uses for thousands of years for both recreational and medicinal purposes
- Most active substance in opium is morphinenamed after Morpheus, the Greek god of dreams
- 1800's: Morphine and Heroin marketed commercially as mediations for pain, anxiety and respiratory problems

 Invention of hypodermic syringe allowed for rapid delivery to the brain
 - Many different opioid derivatives (both natural and synthetic)
- Stimulates the opioid receptor in the brain and decreased pain but with side effects such as euphoria and respiratory depression

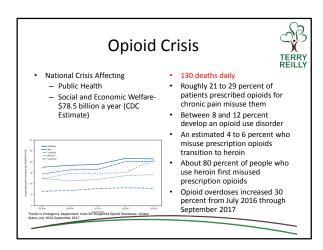
Mrs. Winslow's Soothing Syrup



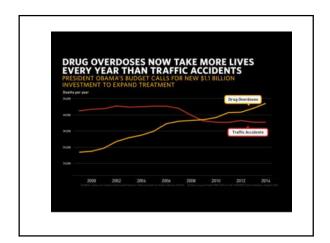
- Widely marketed in North America and the United Kingdom in the late 19th and early 20th centuries
- Cure-all medicine for fussy babies Primary ingredients of the syrup
- were morphine and alcohol Approximately 65 mg of morphine per fluid ounce
- Pure Food and Drug Act instituted in United States in 1906
 • Mrs. Winslow's Soothing
 - Syrup was forced to remove morphine from their syrup and remove "soothing" from their brand name
- Sold until the 1930s Were there fussy babies prior to

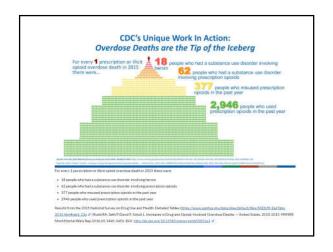








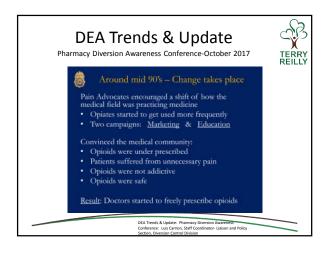




How Did This Happen? In the late 1990s, pharmaceutical companies reassured the medical community that patients would not become addicted to prescription opioid pain relievers—If I only knew then what I know now— Medical education / Policy – Pain as the "5lb Vital Sign" Liability and medical malpractice cases for failure to assess and treat pain Healthcare providers began to prescribe opioids at greater rates This subsequently led to widespread diversion and misuse of these medications before it became clear that these medications could indeed be highly addictive Opioid overdose rates began to increase In 2017, more than 47,000 Americans died as a result of an opioid overdose, including prescription opioids, heroin, and illicity manufactured fentanyl That same year, an estimated 1.7 million people in the United States suffered from substance use disorders related to prescription opioid pain relievers, and 652,000 suffered from a heroin use disorder (not mutually exclusive)

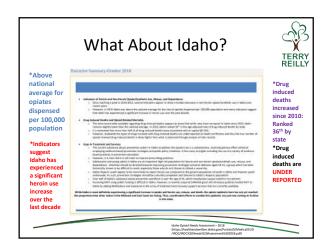


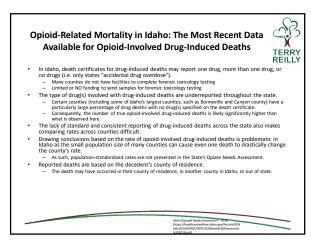












Gaps in Treatment and Services



- The current substance abuse prevention system in Idaho to address the opioid crisis is a collaborative, multi-disciplinary effort aimed at employing evidence-based prevention strategies and public policy initiatives. It is clear there is still room to improve prescribing practices. Adolescents and young adults in Idaho are an important high-risk population for heroin and non-heroin opiate/synthetic use, misuse, and dependence.

 Attenting hoods the affected interest interest interest.
- - Attention should be directed towards improving prevention strategies aimed at Idahoans aged 18-25, a group which has been historically shown to be difficult to reach, especially those who do not choose to attend a university.
- INCLUDE A DESCRIPTION OF THE PROPERTY OF THE P
- eat need for recruitment.

 Sessing MAT using public funding is difficult in Idaho.

 Recently acquired SAMHSA grant will introduce publicly-funded MAT to Idaho by adding Methadone and Subsonone to the array of treatment and recovery support services that are currently available.

 Many treatment providers believe that Medicaid expansion will be of significant benefit for access to treatment servicing.

Opioid Needs Assessment 2018 (Page 35)



- Policy & Legislation Proposed or Enacted in Idaho Related to the Opioid Overdose Crisis; including the Overall Socio-Political Environment that is Supportive of MAT
 - "Idaho is a very conservative state. Priding itself on agriculture and the great outdoors, you will frequently hear that "Idaho is a pick-yourself-up-the bootstraps state" in the halls and session rooms of the State Capitol. the bootstraps state* in the halis and session rooms or the State Capitol. Idaho takes a very conservative approach to social service provision, emphasizing local community and faith responses to need, rather than "another government program" saving the day. In this same vein, the Idaho State Legislature is not keen on accepting federal mandates and has, more than once, fought back in the court room over such mandates. In this environment, it is no surprise that Idaho has not expanded Medicaid"
 - IDHW, along with its many partners, has put significant amount of effort into educating lawmakers, the public and just about anyone else who will listen on the fact that addiction is a disease and we must treat it as such

And Now-The Response



- Dramatic swing in prescribing practices
 - civil and criminal penalties ("pill mills" and other "negligent" prescribing practices)
 - state limits on quantity / days supply / refills
- U.S. Department of Health and Human Services (HHS) is focusing its efforts on five major priorities
 - improving access to treatment and recovery services
 - promoting use of overdose-reversing drugs
 - strengthening our understanding of the epidemic through better public health surveillance
 - providing support for cutting-edge research on pain and addiction advancing better practices for pain management
- National Institutes of Health (NIH) working on new and better ways to prevent opioid misuse, treat opioid use disorders, and manage pain
 - safe, effective, non-addictive strategies to manage chronic pain
 - new, innovative medications and technologies to treat opioid use disorders
 - improved overdose prevention and reversal interventions to save lives and support recovery

The DEA is Cracking Down!



- February 5 2016
- Precedent Setting Case:
 - LA doctor charged with second degree murder of 3 patients, sentences to 30 years to life in prison
 - Dr. Tseng wrote that she lacked sufficient training in prescribing addictive narcotics and was in denial about what was going on in her practice.
 - "I told myself that my patients' conduct was beyond my control," she wrote.

 - Multiple "red flags"

 Knew or should have known about the abuse and diversion
- Defense: Doctor was in over her head



Southern California doctors arrested in opioid prescription crackdown



Calif. Doctor Arrested After 5 People Overdose on Opioids

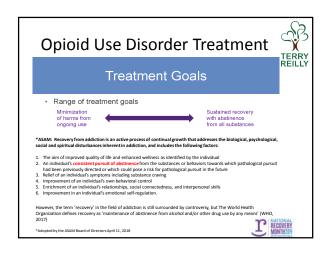
By City News Service

United States Department of Justice: US Attorney's Office,

Opioid Use Disorder



- · It's a huge problem
- It's getting to be more of a problem
- Prevention is key
- · Treatment is available
- A message of hope and compassion for those who are suffering and their families!



Treatment Philosophies



- Harm Reduction
 - Practical strategies and ideas aimed at reducing negative consequences associated with drug use
 - Managed use to abstinence to meet users "where they're at"
 - Naloxone availability
 - Syringe access / exchange
 Drug checking (adulterant screening)
 - Drug checking (adulterant screening)
 Supervised Consumption Services (overdose prevention centers and supervised injection facilities)
 - Opioid maintenance treatment
 Heroin Assisted Treatment
 - Heroin Assisted Treatment
 Medication Assisted Treatment (MAT)
 - Methadone
 Buprenorphine
 - Naltre
 Others

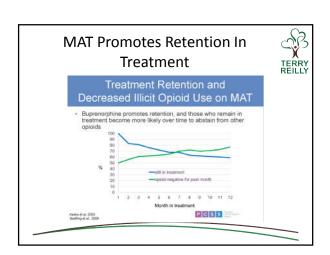
- Abstinence
 - Harm reduction is not at odds with abstinence; instead, it includes abstinence as one possible goal across a continuum of possibilities
 - Pros and cons to both philosophical points of view wen considering abstinence vs harm reduction models
 - Not every patient is able to achieve abstinence -nor is it a realistic expectation
 - Most experts agree that the goals of treatment of opioid use disorder include discontinuation or marked reduction of the use of illicit opiates
 - Stigma (across the board but even among those in recovery)

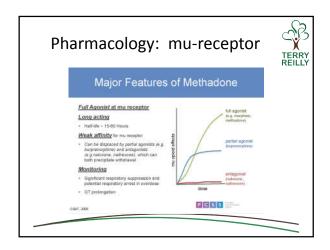


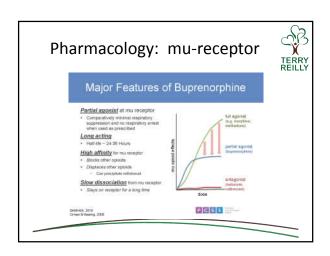
Treatment Options: Federations of State Medial Boards

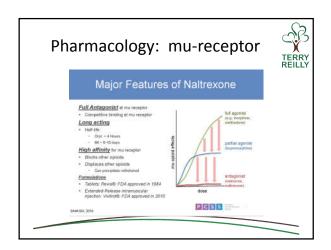


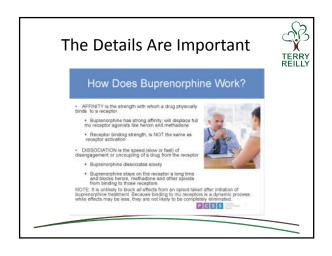
- Partial agonist (Buprenorphine) at the mu receptor (OBOT or OTP)
- · Agonist (Methadone) at the mu receptor (OTP)
- Antagonists (Naltrexone) at the mu receptor
- · Simple detoxification and no other treatment
- · Counseling and or peer support without MAT
- Referral for residential treatment (short or long term)

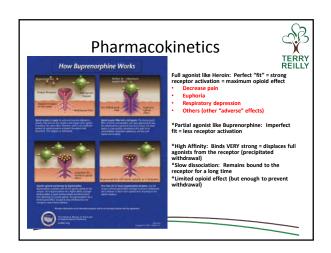


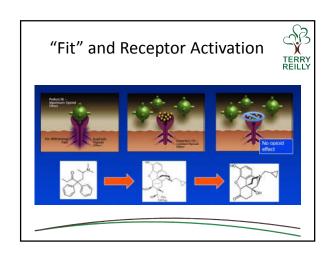


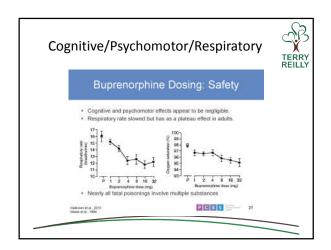


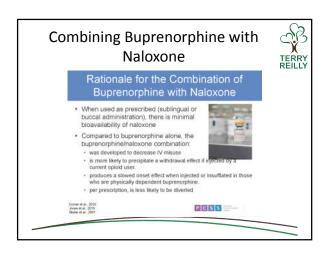


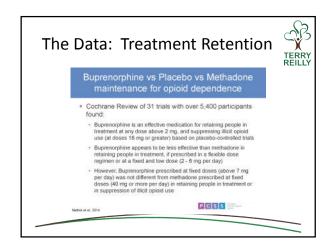


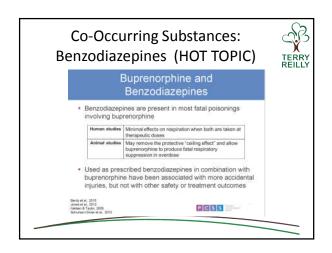


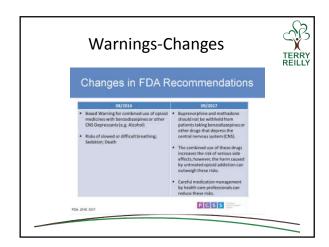


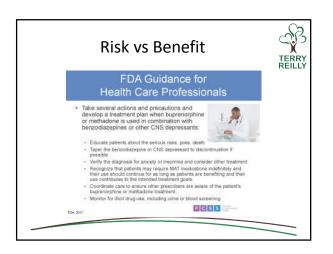


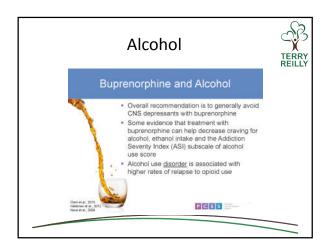


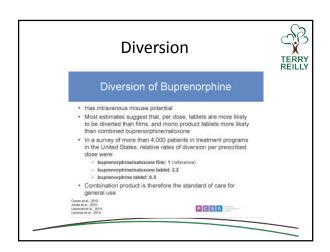


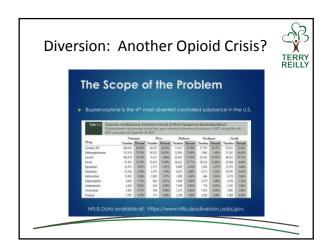


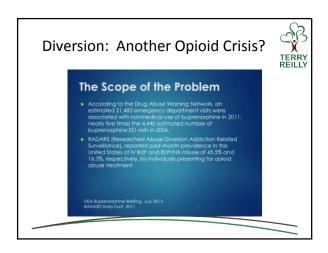


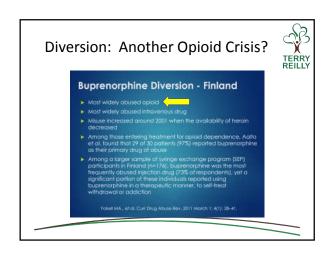


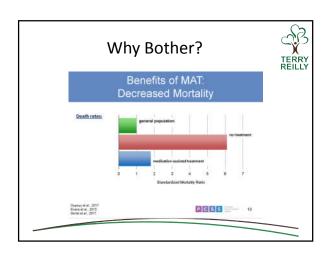








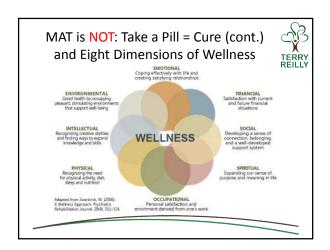




MAT is NOT: Take a Pill = Cure



- · Medication Assisted Treatment-Opioid Agonist
 - Alleviate physical withdrawal
 - Opioid blockade
 - Alleviate drug craving
 - Help to normalize deranged brain changes physiology/chemistry with improvements in:
 - Illicit opioid use
 - Other drug use (maybe indirectly)
 - Needle sharing and infectious disease transmission
 - · Pro-social activities
 - Employment
 - Mental health and interpersonal interactions / behaviors
 - Team Based Approach (multiple departments / disciplines)



MAT is NOT: Take a Pill = Cure (cont.) and Collaborative Care



· OBOT Stakeholders that may be involved in or influence care / decision-making:

Front desk / schedulers	Psychiatrists / PNP		
Medical assistants	Referral sources (patients in)		
MAT prescribers	Referral providers (patients out)		
Primary care providers	Contracted payer sources		
Behavioral Health Consultants	Pharmacy, Clinical Pharmacy Services		
ACADC	Administrative / Executive Leadership (and others)		

- Addressing concerns / bias is important for a successful program
- Stigma (staff, community)
 Treatment philosophies of the organization as a whole and individual providers
- Treatment requirements for the program
- Many others

Psychosocial Interventions TERRY Formal Counseling: Short term evidence not superior to good medication management –BUT No long term data "absence of evidence is not evidence of absence"* AM National Practice Guideline: Psychosocial treatment is recommended in conjunction with any pharmacological reatment of opioid use disorder, at a minimum, psychosocial treatment should include the following: Psychosocial needs assessment Supportive counseling Links to existing family supports and referral to community services Treatment individualized, HOWEVER:

Patient Selection-Office Based **Opiate Treatment**

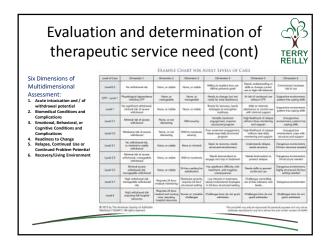


- Level 1 Office Based Opioid Treatment is the lowest level of care for MAT with opioid agonist (buprenorphine only different than OTP)
 - Meets diagnostic criteria (moderate to severe)
 - Can patient reasonably be expected adhere with treatment requirements?
 - · Ready to engage?
 - Are the psychosocial circumstances of the patient stable and
 - Taking other medications (prescribed or illicit) that may interact?
 - Required internal resources available?
 - Are there local resources for referral if more intensive level or service needed?
- Standardized tools
 - The venue in which treatment is provided is as important as the specific medication selected (multidimensional assessment)

Evaluation and determination of therapeutic service need



1.	Level 0.5	Early Intervention
2.	OTP-Level 1	Opioid Treatment Program
3.	Level 1	Outpatient Services
4.	Level 2.1	Intensive Outpatient Services
5.	Level 2.5	Partial Hospitalization Services:
6,	Level 3.1	Clinically Managed Low-Intensity Residential Services
7.	Level 3.3	Clinically Managed Population-Specific High-Intensity Residential Service
8.	Level 3.5	Clinically Managed High-Intensity Residential Services
à.	Level 3.7	Medically Monitored Intensive Outpatient Services
10.	Level 4	Medically Managed Intensive Inpatient Services



Patient Selection-Office Based Opiate Treatment (cont.)



- OBOT and Concurrent SUDs and / or Non-Prescribed Medication Use
 - Other concurrent substance use disorders
 - May benefit from completion of more intensive treatment such as as Intensive Outpatient Programs or Residential Treatment prior to care at OBOT
 - Buprenorphine is a treatment for opioid use disorder, not other drug use disorders. No direct impact on cocaine, amphetamine, cannabis, alcohol (though reductions may occur indirectly as a result of monitored treatment)
 - Misuse of other drugs (such as stimulants or sedatives) can be prevalent among opioid use disorders and may interfere with the overall treatment adherence
 - Misuse of other prescribed medications (gabapentin) is a significant concern

Patient Selection-Office Based Opiate Treatment (cont.)



- Neurontin (gabapentin)-2018 data and HOT topic
- Not a controlled substance in Idaho
 - · Controlled in multiple other states
 - Complex or "mixed" opiate deaths implication
 - Found in one in five prescription opioid-only deaths
 - Noted in toxicology of 22% of all drug overdoses in one study · In Kentucky, gabapentin was listed as a contributing drug on the death certificate in 40% of the overdose deaths with gabapentin-positive toxicology; in North Carolina this percentage was 57%.
 - Combination of gabapentin and opioids might be an indicator of high-risk opioid misuse but requires further

Patient Selection-Office Based Opiate Treatment (cont.)



Over time, substance abuse services system has shifted from primarily residential to non-residential settings Prompted the need to

Many considerations for venue

- understand if substance abuse treatment processes and outcomes vary across service setting Formal predictive ability
- analysis of the ASAM-PPC was conducted in 2003
- Undertreatment = Clinica harm (poorer outcomes)

MAT Integration Into Primary Care



- · Organizational and Prescriber philosophies
- · Widespread bias and misinformation (all stakeholders)
- Resources (facilities / staff); Including lack of prescribers
- Involvement other disciplines (clinical pharmacy,
- Policies and Procedures / Treatment Protocols
- · Community Partners

Organizational and Prescriber Philosophies



- Important to be on the same page before initiation of MAT services
 - Harm reduction vs abstinence models (or continuum as neither are mutually exclusive)
 - Outcome / quality measures
 - ?As long as decreased opiate use doing ok regardless of
 - · What about cocaine, methamphetamine etc?
 - What about participation in other recovery related activities?
 - Sometimes Executive Leadership needs to make the final call on some issues
 - Engage leadership early and often

Widespread bias and misinformation (all stakeholders)



- Bias / Stigma very difficult to overcome
 - Results in difficult interactions for both patients and staff
 - Places inappropriate barriers to care
 - Provider interview: "I don't want to work with those patients!"
- · Internal education Disease model
- · Community outreach / education
 - Ongoing national and local efforts

Resources (facilities / staff); Including lack of prescribers



- Implementation of SUD treatment (MAT) takes resources away other functions / patient care
- Identification and optimal utilization of space
- Identification and training of engaged staff (front desk/ medical assistants, prescribers)
- Lack of waivered prescribers and underutilization of those who have been trained
 - Prior studies show that 44-66% of waivered prescribers were prescribing (multiple perceived barriers for the prescribers)
 Of those prescribing, 77% had less than waiver cap
- Prescriber education/training imperative for expanded access
 - Some employers have resorted to considering MAT prescribing mandatory for employment

Team Based Care



- Utilization of true team based care approach
 - Workflow improvements
- Allow all to work at "top of licensure"
- Consider and develop / improve workflows and communication for:
 - Social Workers
 - Behavioral Health Counselors
 - Case Management
 - ACADC
 - Clinical Pharmacy
 - Retail Pharmacy
 - Medical Assistant
 - Primary Care Providers MAT Prescribers

Policies and Procedures **Treatment Protocols**



- Develop and approve all necessary policies, procedures and treatment protocols prior to initiation of services
 - Buy in from team members (treatment philosophies)
 - Inclusion and exclusion criteria (higher level of care)
 - Zero tolerance infractions need to be defined up front and enforced: Defining and tracking outcomes (quality data)
 - Infractions / issues that result in required increase in intensity of care (internal, before referral to higher level)
 - Required activities / engagement
 - What about other substances (methamphetamine etc.)
 - · What about marijuana?

Community Partners



- · After 8 months of negotiations we were finally able to approve internal processes (executive leadership ended up making the final decisions in some areas such as benzodiazepine use and other substances)
- Need to develop community partners and other relationships to help facilitate transitions of care (both to higher level such as to OTP as well as back to Level 1 Office Based once stable) when needed
 - Dr. Ken Stoller (Johns Hopkins) CoOP A model of coordinated care

Office Based Opiate Treatment Partnering With OTP



- Dr. Stoller notes that OTP's can help with encouraging waivers and support office based opiate treatment (Office Based Buprenorphine or OBB) with strategic partnerships and addressing perceived concerns:
 - Initial assessment: time consuming
 - Induction: initially intimidating
 - Instability (relapse, diversion, non-adherence): help to intervene to avoid consequences to office, community and
 - Improved access and quality with OTP prescriber mentorship to OBB prescribers (not just access should be optimized) and facilitate care transitions
 - Something I'm working on now more to come

