### Opioid Prescription Control: When the Corrective Goes Too Far

Satellite Conference and Live Webcast Wednesday, March 21, 2018 12:00-1:00 p.m. Central Time





Produced by the Alabama Department of Public Health Video Communications and Distance Learning Division

### **Faculty**

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### **Disclosures and a Comment**

- No pharmaceutical grants, honoraria, contracts, history of such
- ▶ I had stock in Abbot & Merck (<3%), sold it. My wife has same + J&J
- ► Opinions: not formal positions of any federal agency
- ▶ This talk may convey a "professorial certainty" that reflects my best reading of data. Nothing is fully settled

### **Disclosures and a Comment**

▶ This talk includes learning from several, which does not mean they agree with every thought offered here



dam J. Gordon, MD A Salt Lake City

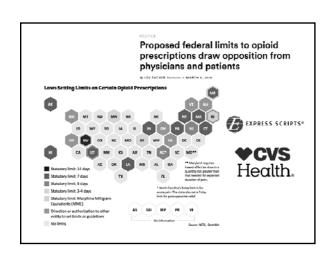


Ajay Manhapra, I VA Hampton HCS



Sally Satel, MD American Enterprise Institute



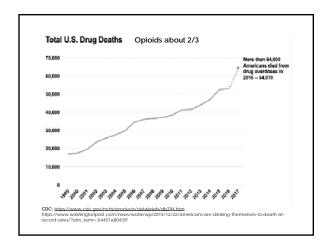


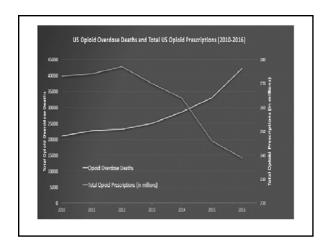
Our decision to deny coverage for this medication(s) is therefore unchanged. Our decision does not reflect any view about the appropriateness of this medication(s). Only you and your provider can make decisions about your care.

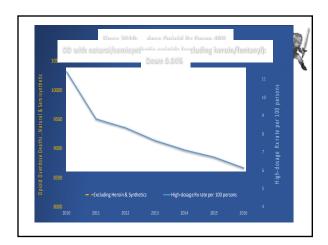
Claire A. Horn, M.D., UnitedHealthcare Medical Director, specializing in Internal Medicine and Rhounatology seviewed your appeal. This decision was made based on UnitedHealthcare Pharmacy Chinical Plararmacy Programs-Proor Authorization/Medical Necessity - Long-Acting Optiol Pain Medications-Includes both brand and generic versions of the listed products unless otherwise moted: Arymo ER\* (morphine sulfate extended-release), Avinza\* (morphine sulfate extended-release), Capsules), Embedia\* (morphine land and Instructor), Evalgo\* (hydromorphone extended-release), Entanyl transdemal-1, Hyvingla ER\* (hydrocolone extended-release), Kadian\* (morphine sulfate sestained-release), Capsules\*), Morphada and Instructor, Evalgo\* (hydrocolone hydrocolone), Proprinte sulfate (generic MS Contin) - MS Contin), Nayma ER\* (inpentaled evened-release), Dopana ER\* (oxymorphone extended-release), VoyContin\* (oxycoodone contolled-releases), Troysca ER\* (oxycodone extended-release), Dopana ER\* (oxycodone and naltrextone extended release). Vantifeta ER\* (hydrocodone hydrocodone hydrocodone related-release), Hydrocodone extended-release), Troysca ER\* (oxycodone extended-release), Dopana ER\* (oxycodone extended-release), Troysca ER\* (oxycodone extended-release), Troysca ER\* (oxycodone extended-release), Dopana ER\* (hydrocodone hydrocodone extended-release), Troysca ER\* (oxycodone extended-release), Troy

### **Structure**

- ▶ Evolution of US Opioid Crisis
- ▶ Introduce reasonable pain care
  - **▶CDC** Guideline & opioids
- ▶ Describe opioid pill control initiatives
- ▶ Describe the problems with overcorrection







### A crisis changed

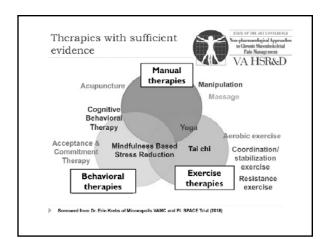
- ➤ About ¾ of the opioid-related overdose deaths in 2016 involved heroin or fentanyl
- ▶ About ¼ involved a possibly prescribed opioid, without any heroin or fentanyl
  - ►Not necessarily prescribed to person who died

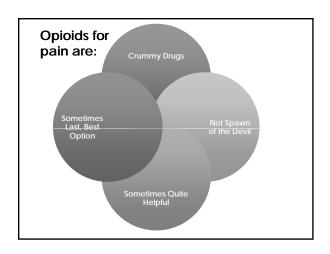
### Pain care? Opioids?

### What about chronic pain then?

- ▶ 23.4 million: severe and debilitating chronic pain (1)
- ▶ 5-8 million: on chronic opioids (2)
- ► Chronic pain can be terrible experience for some & associated with suicide (3)
- ► Any and all proposed treatments for chronic pain
  - ▶ Predominantly short-term data
  - ▶ Works for a minority
  - ▶With modest benefit

1. Nahin RL. J Pain. 2015 (NHIS data). 2. NIH, 2014. 3. Ilgen, JAMA Psy. 2013.





### An untidy record on opioids

- ▶ Why crummy?
  - ▶20%-60% of patients stop due to side effects
  - ▶0.6-7% new onset addiction (1)
  - ▶3% 20% seem to have problematic behaviors (2)
- ▶ Why not spawn of the devil?
  - ► About 25%-33% of patients stay on them long term after randomized trials, usually at stable dose (3)

### Aren't they no better than Tylenol according to a recent study?

- ► For adults with hip, knee or low back pain (n=248)
- ▶ Who volunteered to be in a trial
- ▶ These two treatment arms did about as well as each other

JAMA | Original Investigat

Effect of Opioid vs Nonopioid Medications on Pain-Related Function in Patients With Chronic Back Pain or Hip or Knee Osteoarthritis Pain The SPACE Randomized Clinical Trial

Erin E. Krebs, MD, MPH; Amy Cravely, MA: Sean Nugent, BA; Agnes C. Jensen, MPH; Beth DeRonne, PharmD; Elizabeth S. Goldsmith, MD, MS; North Krewshis, MD, Md Hamp, J. Bath, Standal Movels day by 1910.

### CDC Guideline for Prescribing Opioids for Chronic Pain — United States, 2016

- ▶ Try to avoid starting if possible
- ▶ Evaluate/document risks and benefits when starting
- ▶ Go for lowest effective dose
  - ► Cautious review when escalating ≥50 and ≥90 MME
- ► Follow-up regularly
- For patients already on opioids, evaluate harm vs henefit
  - ▶ No dose target
- Monitor urine drug test, Prescription Drug Monitoring program
- ► Evidence quality: Low

# The rise of pill control

# Overdose Overdose Overdoses protection by reducing Rx doses (shielding) Overdose protection by reducing Rx doses (shielding) Addiction Addictions Addictions Deaths

# Pill Control Ascendant Payer restrictions Prescription Drug Monitoring No warrant for search Pharmacy Red Flags Law enforcement Medical Board Rules Employer Rules FDA plans "new hoops" for doctors (12/2017) CVS Health

### CMS Proposal for 2019

- ▶ Deny payment at point of sale if cumulative MED >90
  - ▶ Allow prior authorization
  - ▶ Exceptions: hospice, metastatic cancer

"We are proposing important new actions to reduce seniors' risk of being addicted to or overdoing it on opioids while still having access to important treatment options," said Demetrios Kouzoukas, CMS deputy administrator and director of the Center for Medicare, on a phone call with reporters. "We believe these actions will reduce the oversupply of opioids in our communities."

Med Page Today, February 1, 2018



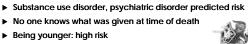
What data support dose restriction initiatives?

### Bohnert, 2011

- ▶ Prescription Opioid OD deaths, unintentional, 2004-2008
- Restricted to deaths where Rx contributed, in whole or in part
- Dose was a risk factor



Bohnert JAMA 2011. Apr 6;305(13):1315-21. doi: 10.1001/jama.2011.370.



Among Veterans, white race was higher risk

▶ suggests other unmeasured risk factors that differed by race

Injuries and acute pain			1.37 (1.08-1.74)	0.94 (0.50-1.77)
Other diagnoses Substance use disorders Other psychiatric disorders OOPO, OVD, and sleep apnea		Substance use &	2.53 (1.99-3.22)	3.08 (1.73-5.51)
		psych disorders higher risk	1.87 (1.48-2.38)	1.68 (0.95-3.00)
		nigner risk	0.63 (0.50-0.80)	0.73 (0.38-1.42)
Male sex			1.43 (0.91-2.24)	1.68 (0.44-6.63)
Age, y 15-29			1 [Reference]	1 [Reference]
30-39	Older Age Protective (lower Odds Ratio)		0.56 (0.27-1.17)	0.85 (0.09-7.86)
40-49			0.94 (0.49-1.80)	0.33 (0.04-2.96)
50-50			0.43 (0.22-0.83)	0.22 (0.03-1.93)
60-69	Black race protective. Ones that signify unmeasured risk fasters in the Whites? (yes it does!)		0.16 (0.06-0.40)	0.06 (0.01-0.64)
≥70°			0.06 (0.02-0.16)	
Race White			1 [Pleference]	1 [Neference]
Black			0.37 (0.24-0.69)	0.76 (0.32-1.83)
Other/missing			1.00 (0.69-1.44)	0.72 (0.22-2.38)

Bohnert JAMA 2011. Apr 6;305(13):1315-21. doi: 10.1001/jama.2011.370.



- ▶ Voluntary + well-run programs
- Dose reduction can be achieved for some patients
- ▶ Some do feel better
- "low quality evidence"

- ▶ No studies of mandatory, involuntary opioid discontinuation
- ▶ Insufficient evidence on adverse events such as "overdose, switch to illicit opioids, onset of suicidality"

Frank et al. Annals of Internal Medicine. August 1, 2017

### Guidelines differ on taper

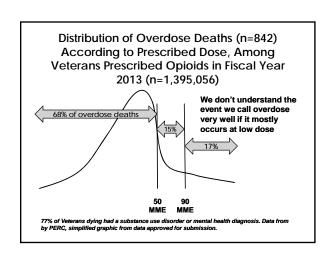
- ▶ CDC Rec #7 (2016)
  - ▶ "If benefits do not outweigh harms of continued opioid therapy,
    - ▶ VA/DoD Algorithm D (2017):
      - ▶ Taper, absent consent, if:
        - ▶Dose>90 MME
        - ▶ Co-prescribed benzodiazepine
        - ▶Patient non-participation in "comprehensive pain care"
        - **▶**Other





### What data might not favor mandating dose reduction

...AND WHAT'S THE THEORY **BEHIND THE DATA?** 



# But relatively, risk is *higher* at high dose, right?

- ▶ Not always
- ▶ Probably? In many large databases
  - Co-prescribed and non-prescribed sedating agents emerge
- Ry dose
  - ▶ A risk factor in VA data, but
  - ▶ Not clearly the dominant risk factor
  - ▶ Not a risk factor in Kaiser data
- Take a look at who receives high doses on average

# What is the event called overdose, that we are trying to prevent?

#### ABSTRACT

From "Heroin Overdose" by Shane Darke in ADDICTION, 2016: 2060-63

Background and aims This narrative review aims to provide a brief history of the development of the heroin overdose field by discussing a selection of major 'classics' from the latter part of the 20th century. Methods Papers considered landmarks were selected from 1972, 1977, 1983, 1984 and 1999. Results Findings of earlier works suggest much of what latter research was to demonstrate. These include arguing that overdoses occurred primarily among tolerant older users, that most overdoses involve polypharmacy, that drug purity has only a moderate influence on overdose rates and that instant deathfollowing heroin administration is rare.

### Prescription risk factors

- · Opioid type: Long-acting higher risk
- · Risk increased slightly with increasing dose in MEDD
  - For example, 120 mg MEDD (vs none), would increase modeled risk by about as much as a PTSD or alcohol use disorder, at any dose
- Co-prescription of sedatives increased risk by 1.4 times
- Rx other classes of evidence-based but sedating pain medications (i.e., SNRI, TCA, anticonvulsants)
  - 1 additional class = 2.1 times the risk
  - 2 additional classes = 3.6 times the risk
  - 3 additional classes 6.1 times the risk

VETERANS HEALTH ADMINISTRATION

# 

### Prediction Model for Two-Year Risk of Opioid Overdose Among Patients Prescribed Chronic Opioid Therapy

- Among 43,000 Kaiser patients who received prescription opioids
- ▶ The following predicted overdose death
  - ▶ History of substance use disorder
  - ▶ History of mental illness
  - ▶ Tobacco
  - ▶ Long-acting opioids
  - ▶ NOT dose

Glanz, 2018. JGIM. -43,000 Kaiser patients who qualified as chronic opioid recipients, 2006-2014

# Who Receives High Doses in Large Database analyses?



VETERANS HEALTH ADMINISTRATION

► Having multiple pain diagnoses

From Oliva, Elizabeth

- Psychiatric diagnoses
- ▶ E.g. depression. PTSD
- Obesity
- Substance Use Disorder diagnoses, present or remitted
- ▶ Higher rates of Polypharmacy:
  - ► Antidepressant
  - ▶ Benzo
- Caveat: some people at high dose have none of these factors

Morasco, Pain. 2015. Kobus, J Pain. 2012.

# Dose did <u>not</u> predict OD in this Rx population (2018)

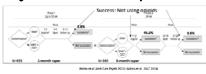
- ► ~43,000 Kaiser patients on Rx opioids
- ▶ The following predicted OD death
  - ▶ History substance use disorder
  - ► History mental illness
  - ▶ Tobacco
  - ▶ Long-acting opioids
  - ▶ NOT dose

Prediction Model for Two-Year Risk of Opioid Overdose Among Patients Prescribed Chronic Opioid Therapy

Glanz, 2018. JGIM. ~43,000 Kaiser patients who qualified as chronic opioid recipients, 2006-2014

### Does taper work? Not with the addiction end of that spectrum

- ▶ Prescription opioid use disorder (n=653)
- ▶ RCT, funded by NIDA
- ▶ Tapered, with or without buprenorphine
- ▶ Voluntary
- ▶ Most started with pain (no heroin)
- ▶ One year failure rate for taper: 91.4%



### Meredith & Jay Lawrence Story

Public story Written consent provided Detailed review of medical record + interview

8s LasVegasNOW



### The personal side of pain: Meredith Lawrence

Chronic pain sufferer commits suicide after being cut off

Byt Brione Henry Posted: Nov 06, 2017 05:09 PM PST

### Meredith & Jay Lawrence Story

#### **Background**

Car crash + hard physical labor 1990s Alcoholism

2005: stopped drinking, met future wife Meredith 2007: loss of feeling in his legs, blackouts, falls 2007-2010: mult back surgeries + opioids + bdz + implanted stimulator + intrathecal pump 2012: dx: trauma induced dementia 2013: correction for pump broken lead 2013-15: panic attacks

All info: consent, personal record review, expert record review, interview with Ms. Lawrence

### Meredith & Jay Lawrence Story

Regimen 2016

Morphine 120 mg po daily Intrathecal morphine 19 mg/day + clonidine From PCP: alprazolam 2 mg po bid (down from 6 mg bid)

Meredith's story

Pain was always present Disability high

Good days: walk the dogs, outings to WalMart, prepared coffee for his wife

Bad days: pain with tears running down his face

The taper 2/3/2017

Morphine po 120->90 "State & federal guidelines"

Insisted on termination of all alprazolam
Plan for 60 mg on 3/2/2017, 45 mg 1 month later

### Interpretation of this Story

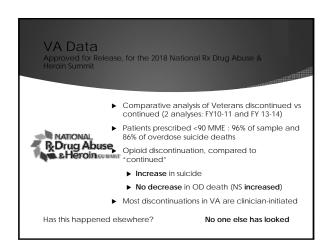
- ▶ Severe injuries, no clear fix, ever
- ▶ Long-term changes from alcohol use in remission (likely)
- ▶ Trauma induced dementia
- ▶ latrogenic harms
- ▶ Polypharmacy
- ▶ Opioid dependence
- ▶ Opioid pain relief
- ► Tenuous
- ▶ Taper would be high risk

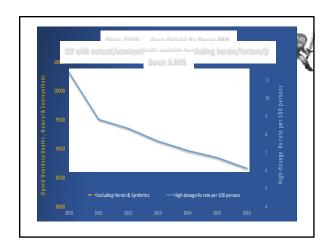
### **Interpretation of this Story**

- ▶ Outcome
- Suicide with Ruger .44 purchased for this purpose by wife Meredith
- She held his hand as he shot himself through the chest
- Charged immediately

"Think about how horrible it was to lose the person you love because the doctor has taken away the medication". "As much as I hated losing him, I understood why he made the choice better than anyone else could"







### **Conclusions**

- ▶ Prescribing contributed to today's problems
- ▶ There is a correction becoming overcorrection
- ▶ Opioids problematic, sometimes necessary
- Taper policies do not address most overdose risk (low dose)
- **▶** Unintended consequences
  - ▶ Patient: Out of pocket \$, Abandonment, forced procedures, suicide
  - ▶ System: Project additional health system costs
- How many other areas of medicine do we do things to patients against their will with this level of evidence?

### **EXTRA SLIDES**

