

An interprofessional approach to creating opioid awareness in health professions curricula

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Presented by:

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LMU

DeBusk College of Osteopathic Medicine
LINCOLN MEMORIAL UNIVERSITY

VALUES | EDUCATION | SERVICE

Presentation Objectives

- TN overview of the opioid epidemic
- Describe two methods for incorporating IPE into opioid education in health professions curricula
 - Opioid Symposium
 - Vehicular Collision Video (Team Based Learning)
- Share outcomes data associated with required content

DEBUSK COLLEGE OF OSTEOPATHIC MEDICINE

- Doctor of Osteopathic Medicine (DO)
- PhD in Anatomical Education
- Doctor of Physical Therapy (DPT) (2021)
- Doctor of Occupational Therapy (OTD) (2021)
- Doctor of Dental Medicine (Feasibility)

SCHOOL OF MEDICAL SCIENCES

- Doctor of Medical Science (DMS)
- Physician Assistant Program (PA)- Harrogate
- Physician Assistant Program (PA)- Knoxville (Fall 2020)

COLLEGE OF VETERINARY MEDICINE

- Doctor of Veterinary Medicine (DVM)

SCHOOL OF ALLIED HEALTH SCIENCES

- Medical Laboratory Science
- Veterinary Health Science & Technology

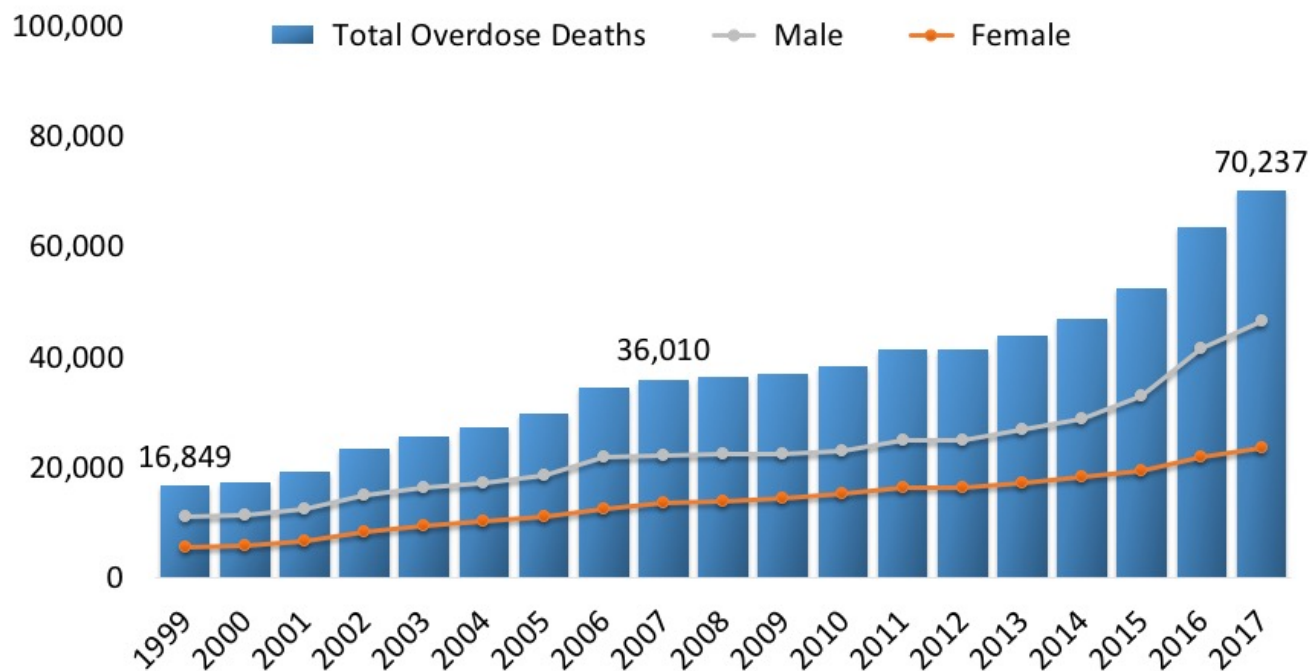
CAYLOR SCHOOL OF NURSING

- Associate of Science in Nursing (ASN)
- Bachelor of Science in Nursing (BSN)
- Master of Science in Nursing (MSN)
 - Nurse Anesthesia
 - Family Nurse Practitioner
 - Family Psychiatric Mental Health Nurse Practitioner
 - Nursing Administration
- Doctor of Nursing Practice (DNP)

DUNCAN SCHOOL OF LAW, Criminal Justice, and Social Work

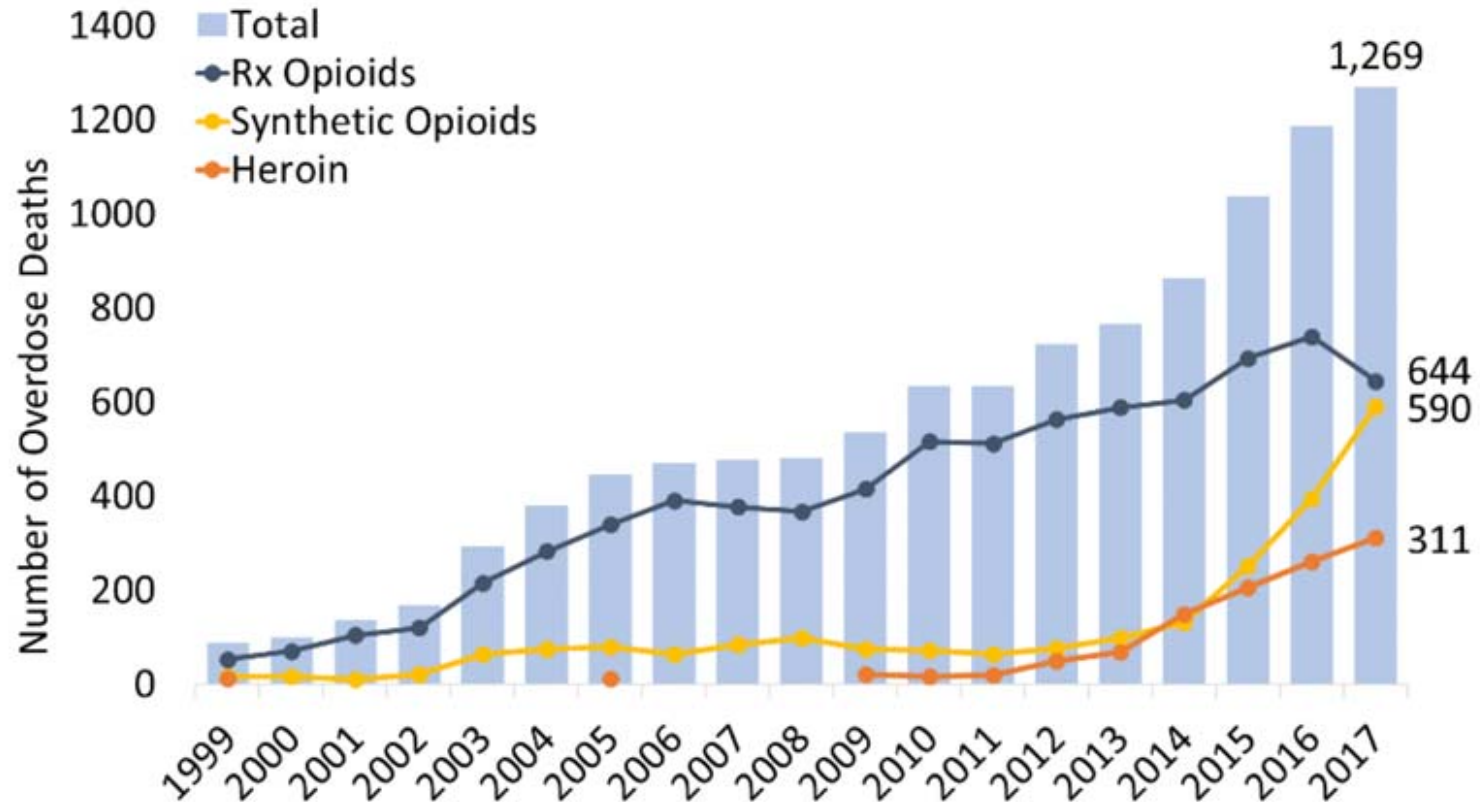
External Partners: South College and
University of Tennessee

Figure 1. **National Drug Overdose Deaths**
Number Among All Ages, by Gender, 1999-2017

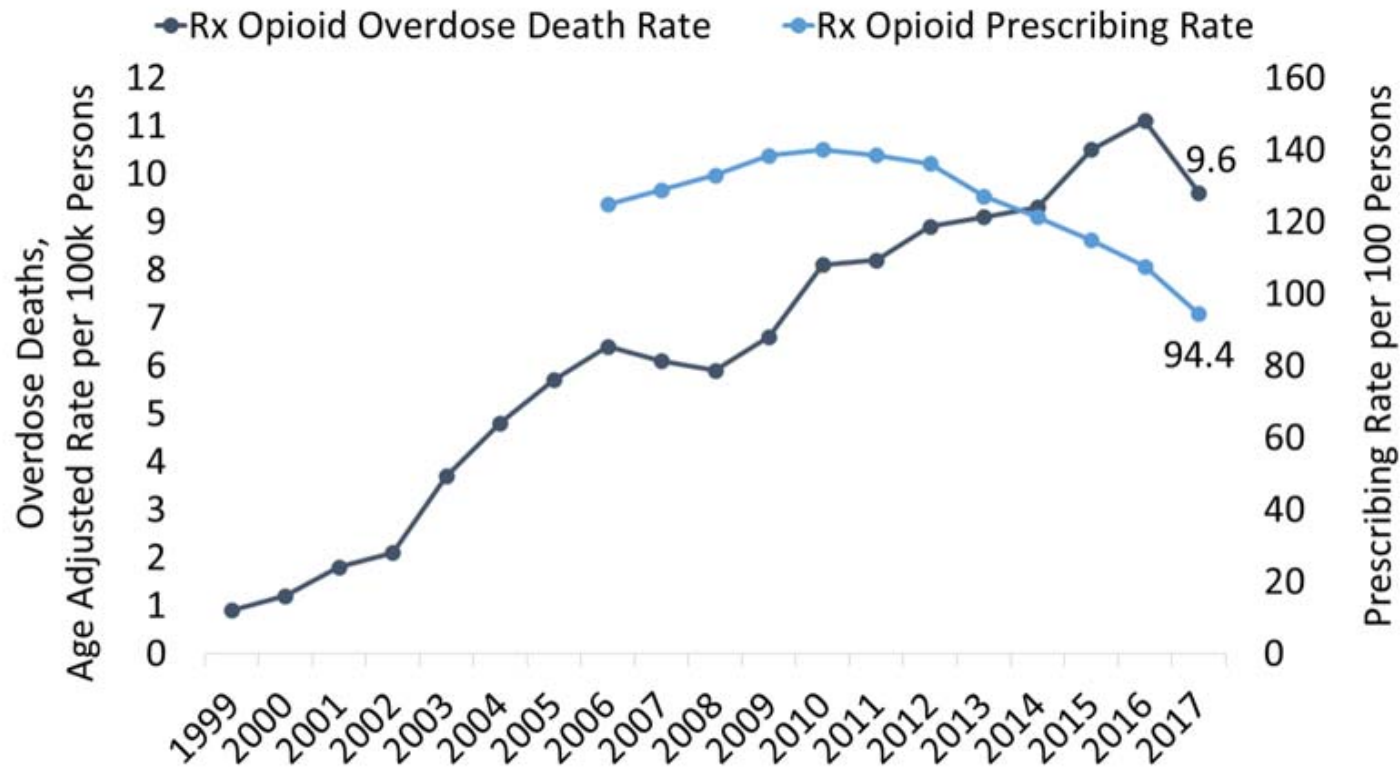


Source: : Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2017 on CDC WONDER Online Database, released December, 2018

Tennessee Opioid Overdose Deaths



Tennessee Opioid Prescribing Rate along side Overdose Rate



CORE COMPETENCIES

Below you will find a list of the 12 core competencies developed by the Commission on Pain and Addiction Medicine Education. Each of the competencies is then broken down to provide additional detail and explanation.

- A. Epidemiology and Population Level
- B. Pain Evaluation
- C. Pharmacologic and Non-pharmacologic Treatment of Pain
- D. Practical Aspects of Prescribing and Communication
- E. Conflict Prevention and Resolution
- F. Chronic Pain Plans
- G. Acute Pain Care for Chronic Pain Patients
- H. Interoffice and Interprofessional Focus
- I. Substance Use Disorder Risk Evaluation
- J. Development of a Treatment Plan for the Patient with Substance Use Disorder
- K. Management of Overdose Risk
- L. Professional and Legal Standards



Commission on Pain and Addiction Medicine Education

12 Core Competencies

Tennessee Department of Health | TN Together | July 2018



Planning ahead

- No two curricular schedule are alike
- Advance buy-in from multiple program faculty/administrators
- Hard wiring the requirement into curricula
- Creating a meaningful and educational experience
- Assessing learning outcomes

Opioid Education 2017

- Control Drug Misuse Symposium
 - Identified event objectives
 - Identified programs interested – DO, PA, NP
 - Set a date-September 27, 2017
 - Selected a pre-read
 - Developed pre/post questions related to the reading

Opioid Education 2017

OBJECTIVES

The objectives of the symposium are as follows:

- introduce students to widespread control drug misuse problem in the local and national regions
- recognize misuse in patients and self
- recognize substance use disorders as a chronic disease
- identify best practices for preventing control drug misuse and non-prescription drug treatment options

FACING ADDICTION IN AMERICA

*The Surgeon General's Report on
Alcohol, Drugs, and Health*

U.S. Department of Health & Human Services

ADDRESSING THE OPIOID EPIDEMIC: *Control Drug Misuse Symposium*

Thursday, September 29, 2017
8 a.m. to 5 p.m.
at
Lincoln Memorial University

The event is closed to the public. Watch it LIVE at:
www.ustream.tv/channel/lmu-special-events

Featured Speaker:
JOHN TEMPLE
author of *American Pain*



Ninety-one Americans die every day from an opioid overdose. In their clinical training and future residencies, LMU health profession students will be entering clinics and hospitals where they will encounter patients exhibiting drug seeking behavior and patients who are addicted to these medications. This symposium will introduce them to the widespread control drug problem, help them recognize misuse and teach them best practices for treatment and prevention.

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Pre/Post Survey Questions




How many Americans die every day from opioid overdose?

A) 20
B) 40
C) 75
D) 90

90

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1 ★ 00:19




Since 1999, overdose deaths from opioids have

A) Doubled
B) Tripled
C) Quadrupled

Quadrupled

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2 ★ 00:19



What percent of the patients prescribed opioids for noncancerous pain will go on to develop an addiction?

A) 10%
B) 15%
C) 20%
D) 25%

25%

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3 ★ 00:19



In Tennessee, approximately how many infants are born every year with an opioid addiction because of neonatal exposure?

A) 100
B) 250
C) 700
D) 1000

1000

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4 ★ 00:19




What percent of the patients prescribed opioids for noncancerous pain will go on to develop an addiction?

A) 10%
B) 15%
C) 20%
D) 25%

25%

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According to CDC guidelines, if a physician is going to prescribe an opioid, how long should the treatment last?

A) Two weeks
B) One week
C) Five days
D) Three days

Three days

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Re-enforced during registration and presentations

Great line up!
Students were very
engaged.

What we learned:

- Too long
- More attendee interaction/IPE needed
- Outcomes were met
 - Students learned a few things
- Budget constraints

SYMPOSIUM AGENDA

Morning Session: Identifying the Problem

7:30 a.m. - 8:00 a.m.	Check-In
8:00 a.m. - 8:40 a.m.	Kenneth Trzil, MD <i>The Crisis of the Opioid Overdose Epidemic-Its More Than You Think</i>
8:40 a.m. - 9:40 a.m.	John Temple <i>Author of American Pain</i> (Book purchase available in lobby and signing during Lunch)
9:40 a.m. - 9:50 a.m.	Break
9:50 a.m. - 10:10 a.m.	Joseph Bardinelli, DO '16 <i>Alumni Testimonial</i>
10:10 a.m. - 10:30 a.m.	Richard Gillespie, MD <i>Living with Addiction</i>
10:30 a.m. - 10:50 a.m.	Patient Testimonial
10:50 a.m. - Noon	Q & A Panel
Noon - 1:30 p.m.	Students - Lunch on Own
LUNCH BREAK	Speakers - Lunch in Hamilton Math & Science 439

Afternoon Session: Addressing the Problem

1:30 p.m. - 1:50 p.m.	Stacey Maltman, FNP-BC <i>Nurse Practitioner Perspective</i>
1:50 p.m. - 2:10 p.m.	Natalie Wilbanks, PA-C <i>Physician Assistant Perspective</i>
2:10 p.m. - 2:20 p.m.	Break
2:20 p.m. - 3:00 p.m.	Walter Ehrenfeuchter, DO <i>Osteopathic Physician Perspective - "OMT & Opiates"</i>
3:00 p.m. - 4:00 p.m.	Q & A Panel
4:00 p.m. - 5:00 p.m.	Stephen Loyd, MD <i>Addressing the Opioid Epidemic in Tennessee</i>

Data

Question Description	Moderately/Very Aware	
	Pre (N=346)	Post (N=292)
Student Knowledge of Someone Struggling with Addiction	46%	51%
· Widespread control drug misuse locally: +27.98%	69%	97%
· Widespread control drug misuse nationally: +20.55%	76%	97%
· Recognizing misuse in yourself: +20.26%	53%	73%
· Recognizing misuse in patients: +29.65%	60%	90%
Question Description	Agree/Strongly Agree	
	Pre (N=346)	Post (N=292)
· Substance abuse is a chronic disease: +8.28%	86%	94%
· OMT can be an effective functional adjunct to medication in the treatment of chronic pain: +9.02%	88%	97%

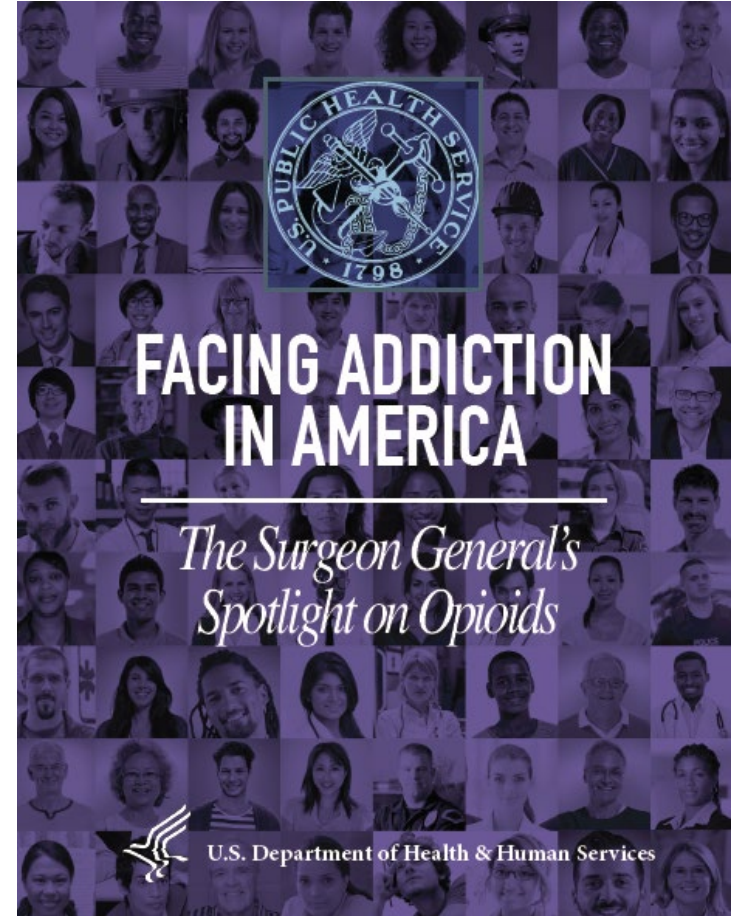


2019 Synthetic Opioid Surge

Objectives:

Recognize the devastating effects of the opioid abuse epidemic and focus on educating health professions students and the community on the current Synthetic Opioid Surge (SOS)

Analyze current treatment models for effectiveness and look at ways to optimize public health outcomes



2019 SOS (Synthetic Opioid Surge)

- Half day event
- Required for first year Osteopathic Medical Students, Physician Assistant Students, and Family Nurse Practitioner Students.
- Held April 1, 2019
- IPE Center stage activity
- Panel with interactive Q/A
- Pre-read with Pre/Post survey (quiz questions)

Opioid Epidemic

2016 and 2017 Data

19,413

Deaths attributed to
overdosing on synthetic
opioids other than
methadone

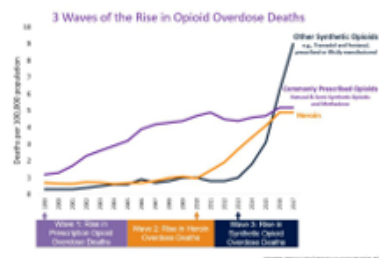
17,087

Deaths attributed to
overdosing on commonly
prescribed opioids



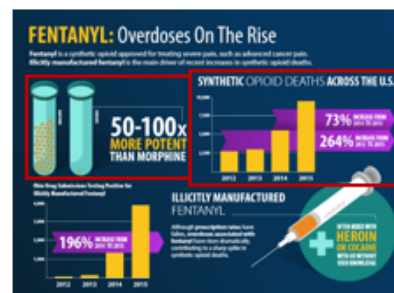
1

00:08



2

00:45



3

00:37

Exponential increase in naloxone prescriptions



4

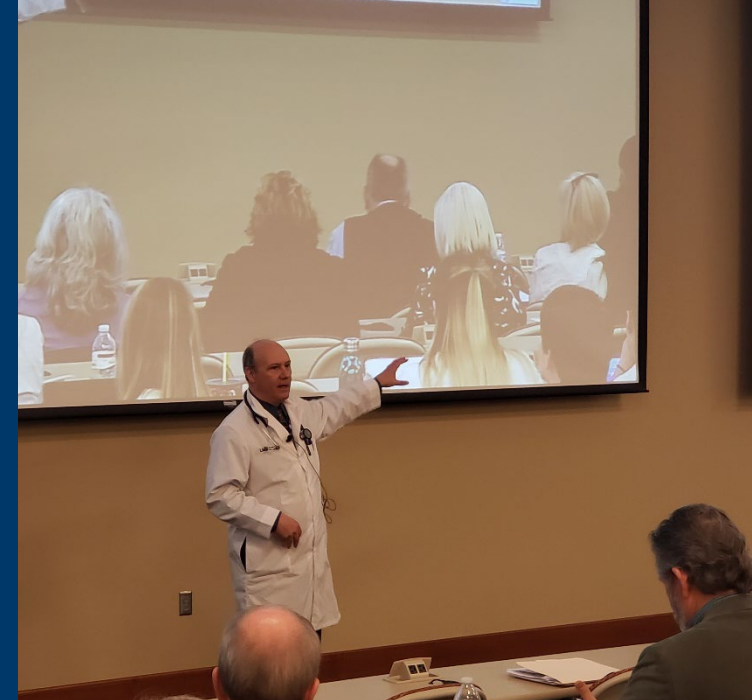
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Please use this QR Code to submit questions
throughout today's symposium



5

00:14



2019 Opioid Education Symposium

Great line up once again.



What we learned:

- Too many speakers in a short time
- IPE Activity was cumbersome; investigate alternatives
- Need more longer breaks and sessions transitions
- Community attendees were engaged; invite more next year and investigate ways to involve them more in the discussion

Synthetic Opioid Surge: A State of Emergency

11:30 - 12:00	Participant Registration / Meet and Greet
12:00 - 12:05	Introduction: Dr. Sherry Jimenez
12:05 - 12:35	Opening Remarks: Dr. Lindy Clapp
12:35 - 12:45	Setting the Context: Dr. Anthony Littrell
12:45 - 1:15	Synthetic Opioid Surge (S.O.S), A Public Health Emergency: Assistant U.S. Attorney Tracy Stone
1:15 - 1:35	Recognition of Local Community Leaders in Attendance and Question and Answer Session Moderator: Dr. Anthony Littrell
1:35 - 1:45	- Break -
1:45 - 2:15	Public Health: TN Department of Health representatives Shoana Anderson , Opioid Program Director for the State of TN and Erica Wilson , Community Services Director for the East Tennessee Region
2:15 - 2:45	Effects of the Opioid Epidemic in Rural Healthcare: Dr. Cathy Suto with Dayspring Family Health Center
2:45 - 3:15	Recovery: Founder Mark LaPalme from Isaiah House In-Patient/Outpatient treatment facility accompanied by Vice President Kevin Horn CSW.
3:15 - 4:30	Center Stage Experience (75 minutes) CSE Moderator: Dr. Sherry Jimenez Clinical Lead: Dr. Anthony Littrell <ul style="list-style-type: none">o <u>5 minutes</u> – Center Stage Introduction and Review case specificso <u>20 minutes</u> – Emergency Room Encountero <u>20 minutes</u> – In-Pt Follow-up and Resource Education by Discharge Plannero <u>30 minutes</u> - Group debrief session with audience and expert panel of faculty and guests.
4:30 - 5:00	Panel Discussion, Q&A, and closing remarks: Dr. Jimenez and Dr. Littrell

2019 Pre/Post Data

Question Description	Answered: Yes	
	Pre (N=292)	Post (N=264)
I know the difference between an opioid and synthetic opioid. +41	57%	98%
Question Description	Moderately/Very Aware	
	Pre (N=292)	Post (N=264)
Please rate the extent to which you are aware of the following:		
Ways that professionals can influence positive change in regards to the opioid epidemic. +29	66%	95%
Different types of synthetic opioids +63	29%	92%
Different treatment options available for those suffering with opioid addiction. +51	42%	93%
How treatment options are presented to patients in a hospital setting. +53	33%	86%
Risks that both clinical and non clinical personnel are exposed to as they provide care to individuals that have overdosed from synthetic opioids. +45	47%	92%
How widespread opioid use is regionally. +17	81%	98%
How widespread opioid use is nationally. +18	79%	97%
Question Description	Answered Correctly 50-100x more potent	
	Pre (N=292)	Post (N=264)
How much more potent is Fentanyl compared to Morphine? +22	55%	77% 
Question Description	Answered Correctly Naltrexone	
	Pre (N=292)	Post (N=264)
Which of the following is an example of an Opioid Antagonist? +19	73%	92% 

2020 Opioid Education Symposium

Adverse Childhood Experiences and Opioid Abuse

Objectives:

Recognize the devastating factors contributing to opioid abuse regionally and nationally including but not limited to Adverse Childhood Experiences

Recognize the importance of engaging individuals that have suffered Adverse Childhood Experiences with a trauma informed approach.

Recognize diverse perspectives of those addressing opioid addiction (i.e. cultural, disciplinary, and ethical.)

Awareness of the unique needs of different populations when addressing opioid addiction.

2020 Opioid Education Symposium
Adverse Childhood Experiences and Opioid Abuse

- Half day event
- Required for first year Osteopathic Medical Students, Physician Assistant Students, and Family Nurse Practitioner Students.
- Reserved Tex Turner Arena (large venue)
- Live streaming to multiple cities and institutions
- Held April 20, 2020
- IPE Networking Activity w/ prizes
- Panel with interactive Q/A
- Pre-read with Pre/Post survey (quiz questions)

Pre-reads



2020 Opioid Education Symposium

Adverse Childhood Experiences and Opioid Abuse

This event will be streamed from LMU - Tex Turner Arena

6965 Cumberland Gap Pkwy, Harrogate, TN 37752

Monday, April 20, 2020 from 12:45 – 4:30

12:15 - 12:45 Participant Registration / Meet and Greet

12:45 - 12:50 Introduction: **Dr. Sherry Jimenez**

12:50 - 1:00 Setting the Context: **Dr. Richard McGill**

1:05 - 1:30 Substance Abuse and Prevention: **Dr. Brian Winbigler**

1:35 - 2:05 Keynote: Risk of Opioid Abuse
Associated with Adverse Childhood Experiences **Dr. Sarah Bacon**

2:05 – 2:30 Break and IPE Networking Activity: **Dr. Sherry Jimenez** (25 minutes)

2:30 – 2:45 Networking Debrief and Student Winners: **Dr. Sherry Jimenez**

2:45 - 3:05 Adverse Childhood Experiences and Opioid Abuse: **Ms. Lena Horn**

3:10 – 3:55 Panel Presentation: The Experience of Three Tennessee Court Judges

- Juvenile Court **Judge Robert Estep**
- Juvenile Court **Judge Tim Irwin**
- Circuit Court **Judge O. Duane Sloan**

4:00 - 4:30 Panel Discussion, Q&A, and closing remarks with Dr. Brian Winbigler, Dr. Sarah Bacon, Judge Robert Estep, Judge Tim Irwin, and Judge O. Duane Sloan. **Moderator: Dr. Richard McGill**

Student IPE Networking Form

☐ Q1

Please submit the following information about you and the person you networked with.



What is your name?



Your SCHOOL NAME,
CITY/PROVINCE, COUNTRY

Your email address?

What is the name if the person
you spoke with?

What is their school and program
of study?

What has drawn them to this
profession?

What will be their responsibilities
as a practitioner?

Interprofessional Aspects of a Vehicular Collision Scenario

A short film created to gauge the efficacy of imparting IPE knowledge through the use of an educational video

OBJECTIVES:

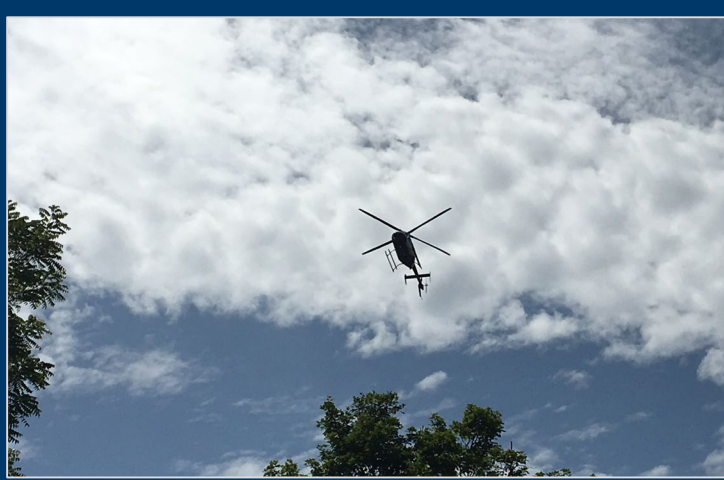
Recognize proper ethical behavior when providing quality team-based patient care

Discuss how to collaborate effectively with other professionals in order to optimize both patient and public health outcomes

Analyze communication techniques and recognize how they contribute to better patient care and population health outcomes



Shooting the Short Film



Classroom Implementation

Mandatory participation (2 hour):

Attendees: OMS II Students, Social Work Students, Criminal Justice Students
Short Film (25 min) with intermittent interruptions for questions and discussion at built in pause points throughout the video

Pre/Post-Survey quizzes will be administered

Will conclude with Power Point/Debrief

Questions & Answer session will be faculty driven



IRB approved – Pre/Post survey

☐ Strongly Agree ☐ Agree ☐ Disagree ☐ Strongly Disagree

- I am aware of the different types of collaboration associated with patient care.
- I am aware of the different types of effective communication techniques used within the healthcare setting.
- I am aware of how communication skills can be impacted by stress.
- I am aware of how important effective communication techniques are when interacting with other disciplines.
- I am aware of the impact nonclinical professionals, such as Law Enforcement have on patient care

Presentation Objectives

- TN overview of the opioid epidemic
- Describe two methods for incorporating IPE into opioid education in health professions curricula
 - Opioid Symposium
 - Vehicular Collision Video (Team Based Learning)
- Share outcomes data associated with required content

Questions?

References

- Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple cause of death 1999-2017 on CDC Wonder, released December 2018.
- Scholl L, Seth P, Kariisa M, Wilson N, Baldwin G. Drug and Opioid-Involved Overdose Deaths — United States, 2013–2017. *MMWR Morb Mortal Wkly Rep* 2019;67:1419–1427. DOI: <http://dx.doi.org/10.15585/mmwr.mm675152e1>
- Substance Abuse and Mental Health Services Administration (US); Office of the Surgeon General (US). *Facing Addiction in America: The Surgeon General's Spotlight on Opioids* [Internet]. Washington (DC): US Department of Health and Human Services; 2018 Sep. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK538436/>
- Temple, John, (2015). *American Pain: How a young felon and his ring of doctors unleashed America's deadliest drug epidemic*. Rowman & Littlefield.
- U.S. Department of Health and Human Services (HHS), Office of the Surgeon General, *Facing Addiction in America: The Surgeon General's Spotlight on Opioids*. Washington, DC: HHS, September 2018.
- Derefinko, K. J., García, F. I. S., Talley, K. M., Bursac, Z., Johnson, K. C., Murphy, J. G., ... & Sumrok, D. D. (2019). Adverse childhood experiences predict opioid relapse during treatment among rural adults. *Addictive behaviors*, 96, 171-174.