The Science Series – 2016

The Northeast Node of the CTN sponsors a bimonthly Science Series on the state of the science on addiction and integrated care models. Topics will include opioid use disorder, medication assisted therapy, addiction in adolescents, the intersection of pain and addiction, among others. The Science Series occurs during the lunch hour and is open to health and mental health professionals. 1.0 AMA PRA Category 1 Credits approved by Dartmouth-Hitchcock Medical Center is available for those who attend.

Pharmacotherapy for Opioid Use Disorder
Tod Miller, MD

January 6, 2016 | 12:00 – 1:00 p.m.

Topic Description: Opiate addiction continues to spread and plague our communities, raising concerns about both public health and widespread suffering. Unlike other addictions, opiates are unique in both their persistence and lack of response to traditional abstinence-based therapies. This webinar will provide a brief overview of current prevalence, natural history, and an introduction to available pharmacotherapy treatment options.

Presenter Bio: Dr. Tod Miller was educated at Reed College (BA) and Oregon Health & Sciences University (MD). He completed his residency in psychiatry at the University of Vermont. Dr. Miller spent several years doing outpatient addictions work at Oregon Health & Sciences University in Portland, Oregon before moving east to work at the Brattleboro Retreat and Baystate Franklin Medical Center. For the past five years, he has been the Medical Director for Behavioral Health at Springfield Medical Care Systems, an unusual and innovative Federally Qualified Health Center that includes a critical access hospital with a dedicated 10-bed psych unit, the Windham Center. Their focus is providing behavioral health services that are fully integrated within primary care clinics, exploring a new model of community based care.

Interfaces of Pain & Addiction: Phenomenology, Clinical Care & Open Questions
Seddon Savage, MD, MS

March 4, 2016 | 12:00 – 1:00 p.m.

Topic Description: As opioid prescribing for pain treatment increased over the past two decades, prescription opioid overdose deaths and demand for treatment of opioid addiction increased in parallel. More recently,
cheap and abundant heroin and street fentanyl have been associated with a surge in opioid-related harm. While opioids remain the most powerful analgesic medications available, pain is an experience with sometimes complex biopsychosocial components that that may respond to diverse other treatments. This webinar will explore the phenomenology of pain, clinical management options for pain-with and without co-occurring addictive disorders, and the roles and liabilities of opioids in treatment of pain and opioid use disorders. The evolution of the current opioid epidemic and the contributions of prescribed and illicit opioid sources will be considered.

**Presenter Bio:** Dr. Seddon Savage is a clinician, educator, and advocate in the fields of addiction medicine and pain medicine. She is Medical Director of the Chronic Pain and Recovery Center at Silver Hill Hospital in Connecticut and served as Director of the Dartmouth Center on Addiction Recovery and Education from 2004 through 2015. She is an Associate Professor of Anesthesiology on the adjunct faculty of the Geisel School of Medicine at Dartmouth and is currently working with Dartmouth-Hitchcock to support substance-related education and practice improvement. She earned a BA in Art History from Barnard College, an MS in Human Nutrition from the Columbia University College of Physicians and Surgeons, and her MD from Dartmouth Medical School. She earned a certificate of added qualifications in Pain Management from the American Board of Anesthesiology in 1984 and is certified in Pain Medicine by the American Board of Pain Medicine. Dr. Savage is certified in Addiction Medicine by the American Board of Addiction Medicine and is an elected fellow of American Society of Addiction Medicine.

**Stream the webinar here**

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**The Changing Landscape of Marijuana (Cannabis): What’s Real, What’s Not**

*Alan Budney, PhD*

**May 19, 2016 | 12:00 – 1:00 p.m.**

**Topic Description:** Perceptions about cannabis are changing. This webinar will discuss the potential impact of changes in cannabis laws and regulations, limitations of the evidence for cannabis as a therapeutic substance, and concerns related to adolescents’ use of cannabis and prevention messaging, and how the changing landscape interacts with these issues.

**Presenter Bio:** Dr. Budney is a Professor at the Geisel School of Medicine at Dartmouth, Co-Director of the Addiction and Health Research Laboratory, and Director of the Treatment Development and Evaluation Core of the Center for Technology and Behavioral Health.

**This webinar will be available to stream after the presentation.**
Why Strategies to Integrate Behavioral Health in Primary Care Are Unsuccessful and What Can Be Done About It?
Mark P. McGovern, PhD

July 21, 2016 | 12:00 – 1:00 p.m.

**Topic Description:** With the Affordable Care Act and Mental Health and Addiction Parity Act, it is widely assumed that behavioral health care is in the midst of enormous transformation. Epidemiological studies and health services research document the high prevalence of behavioral health conditions in primary medical care settings, and the significant costs associated with not addressing psychiatric and substance use disorders. A variety of behavioral health interventions, both pharmacological and psychosocial, have been developed and studied in primary care situations. Examples of evidence-based interventions include the Collaborative Care Model for Depression, SBIRT for high risk alcohol use, and medication-assisted treatment (MAT) for opioid use disorders. Although these treatments have consistently been found to pass efficacy and effectiveness trials, they are not widely implemented—in fact few if any are sustained beyond the funded research time frame. Implementation science provides systematic insight into the barriers and facilitators of evidence-based practice adoption and reach in routine practice settings and health care systems. In this presentation, the challenge of implementing and sustaining integrated behavioral health in primary care will be analyzed using a pragmatic research framework. Solutions are proposed that consider policy and financing; unified trans-diagnostic approaches to typical and complex behavioral health conditions (psychiatric and substance-related); optimization of care of individual providers and teams; and, the role of technology-based platforms to enhance the quality of behavioral health care, reduce practice variation, and empower patients and families.

**Presenter Bio:** Dr. Mark McGovern is a Professor of Psychiatry, of Community & Family Medicine, and of The Dartmouth Institute of Health Policy and Clinical Practice at the Geisel School of Medicine at Dartmouth in Lebanon New Hampshire USA. His clinical practice is based at the Hanover Psychiatry, and his scientific program is focused on behavioral health services and implementation research.

**This webinar will be available to stream after the presentation.**

Perinatal Substance Use Disorders: Rationale for Integrated Care
Daisy Goodman, CNM, DNP, MPH

September 15, 2016 | 12:00 – 1:00 p.m.

**Topic Description:** Perinatal substance use disorders are a public health problem of increasing severity in northern New England, straining the capacity of the maternity care system. Providing adequate and effective services for this vulnerable population requires an understanding of their complex needs. Because pregnancy is a time of high motivation for self-care, women often seek treatment for substance use disorders for the first time after conception. Integrating addiction treatment with maternity care provides a unique opportunity to increase access, address comorbid conditions, and improve perinatal outcomes.
Presenter Bio: Daisy Goodman is a certified nurse midwife in clinical practice at Dartmouth Hitchcock Medical Center, and an Instructor in Obstetrics and Gynecology at the Geisel School of Medicine at Dartmouth. She received a certificate in nurse-midwifery and women’s health at the Frontier Nursing University, a Masters in Public Health from the Dartmouth Institute for Health Policy and Clinical Practice, and a Doctorate in Nursing Practice at the Massachusetts General Hospital Institute of Health Professions. Her area of clinical and research interest is focused on improving access to care for pregnant women with opioid use disorders, and on the intersection of trauma and substance use in women’s lives. Dr. Goodman currently practices at Dartmouth-Hitchcock Medical Center in the Department of Obstetrics and Gynecology, and is part of the treatment team at the DHMC Perinatal Addiction Treatment Program. She is currently involved in the development of a toolkit to help standardize practice among maternity and addiction treatment providers caring for pregnant women with substance use disorders. Prior to coming to Dartmouth-Hitchcock in 2013, she worked in the community hospital setting in Maine where she led implementation of a screening and brief intervention program in maternity care and participated in a workgroup sponsored by Maine CDC which developed state guidelines for the management of perinatal substance use.

This webinar will be available to stream after the presentation.

Harnessing Digital Technologies in the Treatment of Substance Use Disorders
Lisa Marsch, PhD

November 17, 2016 | 12:00 – 1:00 p.m.

Topic Description: A growing line of research has highlighted the promising role that interactive technologies (e.g., web, mobile devices) may play in the assessment, prevention, treatment, and recovery management of substance use disorders. In this presentation, Dr. Marsch will provide an overview of the state of the science in the development, evaluation, and implementation of technology-based therapeutic interventions for substance use disorders. This research underscores the role that technology may play in improving treatment for substance use disorders in a manner that increases access to care, is cost-effective, ensures fidelity, and enables the rapid diffusion and widespread adoption of science-based interventions.

Presenter Bio: Dr. Lisa A. Marsch is the Director of the Dartmouth Center for Technology and Behavioral Health, a designated “Center of Excellence” supported by the National Institute on Drug Abuse at the National Institutes of Health. She is also the Director of the Dartmouth Psychiatric Research Center, the Director of the Northeast Node of the National Drug Abuse Clinical Trials Network based out of Dartmouth, and the Andrew G. Wallace Professor within the Department of Psychiatry at the Geisel School of Medicine at Dartmouth College. The Dartmouth Center for Technology and Behavioral Health (CTBH) is a national interdisciplinary Center housed at Dartmouth and includes affiliates within the Geisel School of Medicine, the College of Arts and Sciences, The Thayer School of Engineering, and the Dartmouth Institute for Health Policy and Clinical Practice. CTBH also includes interdisciplinary partners across the U.S. and internationally. This Center uses science to inform the development, evaluation, and sustainable implementation of technology-based tools (that leverage web, mobile, sensing and/or social media approaches) for behavior change targeting a wide array of populations and health behaviors. These tools are designed to deliver engaging and effective health monitoring and health behavior interventions and to collectively lead to transformations in the delivery of science-based health care.
In addition to directing this national Center, she has led the development, evaluation and implementation of technology-based therapeutic tools for addiction treatment, HIV prevention, mental health, chronic pain management, substance abuse prevention, smoking cessation, and obesity. She additionally maintains a priority focus on mentoring investigators, including junior faculty as well as students and post-doctoral fellows.

Dr. Marsch publishes extensively and is a regular keynote speaker at national and international scientific meetings (including invited presentations at the White House, Congressional briefings, the World Bank, and for the US Surgeon General). She has served as a consultant to the Department of Mental Health and Substance Abuse at the World Health Organization. She serves on the National Advisory Council to the National Institute on Drug Abuse at the National Institutes of Health. And, she serves on the Health Information Technology Policy Committee on Advanced Health Models and Meaningful Use for the U.S. Office of the National Coordinator.

She also led the development of a recently-published seminal book from Oxford University Press on the state of the science of leveraging technologies in transforming behavioral health care.

This webinar will be available to stream after the presentation.