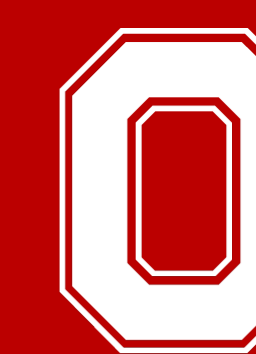


The Impact of the Opioid Crisis on Young Children:

A Collaborative Process of Developing a State-wide Web-based Training

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Introduction

- The United States is in the midst of an opioid epidemic. Ohio has one of the highest rates of opioid related deaths in the country.
- The majority of public health work has focused on addiction treatment and prevention. Pregnant women and children are especially vulnerable.
- Children are affected by the epidemic via both prenatal opioid exposure and exposure to traumatic events.
- Children with prenatal exposure and opioid-related traumatic stress are being referred into Early Intervention (EI) programs due to behaviors and delays that are developmental in nature.
- The Early Intervention and early childhood care systems are in need of professional development and technical assistance specific to this population of affected children.
- Ohio's LENDs are well-positioned to address this critical need given the interdisciplinary nature of our work and our focus on maternal child health.

Goals/Aims

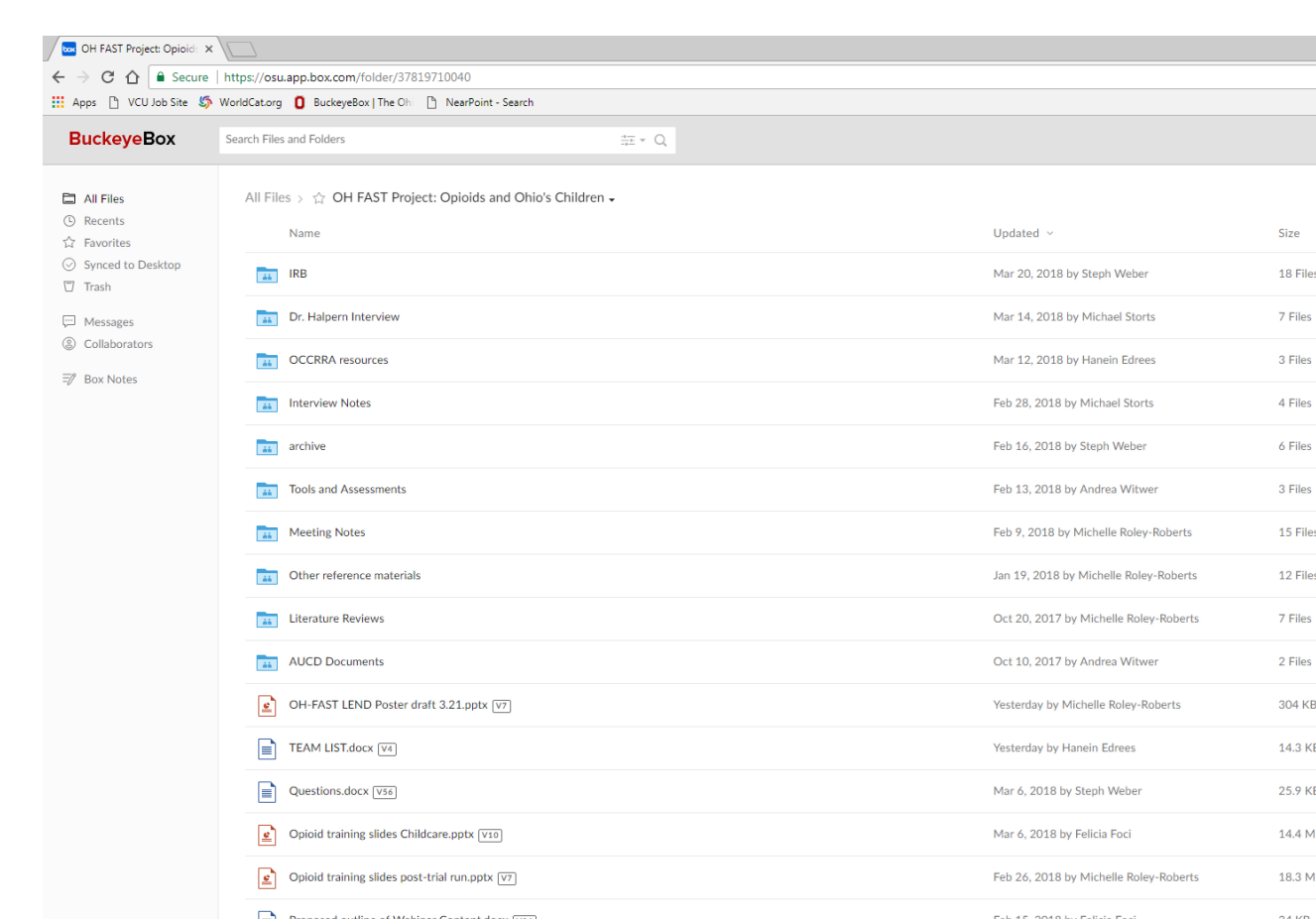
1. **To create an interactive, engaging online learning module for Ohio's early childhood educators/care providers to learn:**
 - a) Information on addiction, neonatal abstinence syndrome, and childhood traumatic stress
 - b) How to provide trauma-informed care in the context of early intervention services and childcare in the classroom
 - c) Developmental monitoring with young children affected by the opioid epidemic
2. **To strengthen collaboration between Ohio's Maternal and Child Health (MCH) training programs**
3. **To build trainees' leadership skills, especially in the following MCH Leadership Competency areas:**
 - a) Interdisciplinary Team Building
 - b) Working with Communities & Systems

Methods & Progress to Date

We have taken steps toward our goals in the following areas:

Team Coordination

- Completion of trainee self-assessment through MCH Navigator for Leadership Competencies #10 and #11
- Met weekly via conference calls to collaborate on training content, project needs, and next steps
- Disseminated weekly e-mails with meeting minutes and project updates
- Collaborated on content and resources via BuckeyeBox



Literature Review

- Completed reviews and summaries on opioid epidemic, addiction, substance use disorders, neonatal abstinence syndrome, traumatic stress, trauma-informed care, and child development

Key Informant Interviews

- Interviewed subject matter experts in various healthcare disciplines including neonatology, psychology, pediatrics, and occupational therapy
- Interviewed community members/partners including Early Intervention providers/supervisors, childcare center providers/supervisors, and foster parents
- Solicited feedback from a variety of professionals including childcare professionals, psychologists, occupational therapists, and neonatologists on module content



Conference Attendance

- Attended Children of Addicted Parents Conference in November 2017
- Presented workshop to professionals on childhood traumatic stress and the opioid epidemic in Appalachia, March 2018

Methods & Progress to Date

Pilot Presentation/Feedback

- Presented content in a trial run to trainees within the LEND program and The Nisonger Center
- Incorporated feedback from trial run, key informants and experts into current content
- Wrote questions for pre and post quizzes to align with content

Credentialing and Marketing

- Explored necessary information for Ohio Child Care Resource & Referral Association (OCCRRA) accreditation
- Developed flyer to advertise our online training at conferences/workshops
 - Family-to-Family Health Information Center Conference: Jackson, OH
 - Division of Early Childhood Annual Conference: Columbus, OH



Exploration of Online Platforms

- Investigated multiple platforms to disseminate a web-based training module including Adobe Captivate (selected), Articulate 360, Lectora, Camtasia and Learning Management System Platforms
- Incorporating the research content with project aims to generate the module topics: The Opioid Crisis, Addiction, Trauma-Informed Care, Impact on Conception to Age 2, Impact on Ages 3 to 5, Developmental Milestones, Glossary, Resources and References



Lessons Learned

Content

- Synthesizing the high volume of information learned
- Balancing education levels of web-based learners/participants with the complexity of the information to be delivered

Online Methods

- All e-learning programs have many pros and cons; Captivate was best choice for current project due to capabilities of program for our educational purposes
- Using e-learning to improve quality and effectiveness of teaching is complex due to responsive/non-responsive nature of options in program (impact of ability to use tablet/phone)

Interdisciplinary Teamwork

- Interdisciplinary team building and eliciting expertise and skills of team members; learning strengths and weaknesses in expertise
- Capitalizing on leadership strengths to increase collaborative and inclusion of each member's unique perspective
- Tuckman's stages of group development are more challenging when not in-person = increased skill in written communication and clarification

Research

- Early planning on the process for how to get webinar participants to complete the research project
- Evaluating teaching effectiveness by analyzing learner feedback through pre and post quizzes

Video Methods

- Capturing high quality videos without expertise in videography and on a very limited budget
- Balancing time versus money when deciding on method
- Accounting for road blocks (e.g., no expertise with MAC computers and video editing software, which led to not knowing that the video and audio recordings were saved separately – had to figure out how to integrate the two again after uploading them into the software.)



Next Steps

- Complete module development in Adobe Captivate
- Obtain Ohio Step Up to Quality approval
- Obtain IRB approval for research study
- Launch training module into OCCRRA system
- Analyze data obtained from participants
- Prepare manuscript and present outcomes

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LEND

Leadership Education in Neurodevelopmental and related Disabilities