

Project Abstract

1. Project Title	Optimizing Pregnancy and Infant Outcomes In Drug (OPIOID) Addiction
2. Requested Award Amount	\$200,000
3. Project Focus Areas	Treatment and Recovery
4. Applicant Organization Name	Regents of the University of California (Davis)
5. Applicant Organization Address	1850 Research Park Drive, Suite 300 Davis, CA 95618
6. Organization Facility Type	Academic Hospital
7. Describe the Target Population	Pregnant and parenting women with opioid use disorder and their neonates
8. Applicant Organization Website	https://health.ucdavis.edu/medicalcenter/
9. Project Directors Name and Title	- Shannon Clark, MD; Associate Physician, Department of Obstetrics and Gynecology - Kara Kuhn-Riordon, MD; Assistant Professor, Department of Pediatrics
10. Project Directors Contact Information	- Dr. Clark: slcla@ucdavis.edu ; (916) 734-8989 - Dr. Kuhn-Riordon: kmkuhn@ucdavis.edu ; (916) 703-5015
11. How Applicant Learned about Funding Opportunity	HRSA website
12. Target Service Area	Entirely Rural Counties: Nevada, Plumas Partially Rural Counties: Butte, El Dorado

Opioid use in pregnancy and the impact on neonates is a public health crisis. This is particularly a problem in rural areas where fewer providers are trained to care for these vulnerable populations. In order to enhance the care provided to pregnant and parenting women with Opioid Use Disorder (OUD) and their infants with Neonatal Abstinence Syndrome (NAS), increase access to care, and increase the workforce capacity in rural areas, we propose the following project: Optimizing Pregnancy and Infant Outcomes In Drug (OPIOID) Addiction.

We will use the one-year planning project to establish a consortium of five rural hospitals to work collaboratively with opioid specialists at an academic hospital to develop a tele-mentoring and capacity building program aimed at increasing rural providers’ ability to care for pregnant and parenting women with OUD and their newborns. The hospitals included in the consortium are on the front-lines of the rural opioid epidemic, serving rural and underserved communities in both Northern California and Nevada. Efforts will be focused on increasing and improving *treatment and recovery* practices in these *rural communities*.

The goals of the one-year planning project are to: 1) conduct an interactive and community-based needs assessment on resources, gaps in service, and provider capacity; and 2) design a curriculum and care protocols for OUD in pregnant women and NAS in neonates tailored to these rural communities using the ECHO model. The long-term goals of this project are to 3) demonstrate the effectiveness of the ECHO curriculum on improving provider comfort, treatment, and outcomes among pregnant and parenting women with OUD; and 4) demonstrate the effectiveness of the ECHO curriculum on improving provider comfort, treatment, and outcomes among opioid exposed neonates.