National Network of Depression Centers 2020 NNDC Virtual Conference

# Redesigning Suicide Research with Postpartum Women During the COVID-19 Pandemic

Becky Salomon, PhD, RN, PMHNP-BC<sup>1,2</sup>, Katie Reeves, MS, PMHNP-BC<sup>1,2</sup>, and Sandra J. Weiss, PhD, DNSc, RN<sup>1,2</sup>

1. Department of Community Health Systems, University of California, San Francisco

#### 2. UCSF Depression Center

## Background

#### Suicide in Postpartum Period

- Suicide is the second leading cause of death in postpartum women, accounting for about 20% of postpartum deaths
- Research is needed to better understand mechanisms underlying suicide risk during the postpartum period and into the first year of a child's life
- Feasibility is inherently challenging for research on sensitive subjects of suicidal ideation, past suicide attempts, and self-harming behaviors
- COVID-19 has magnified challenges of participant recruitment and safe data collection

#### **Objective:**

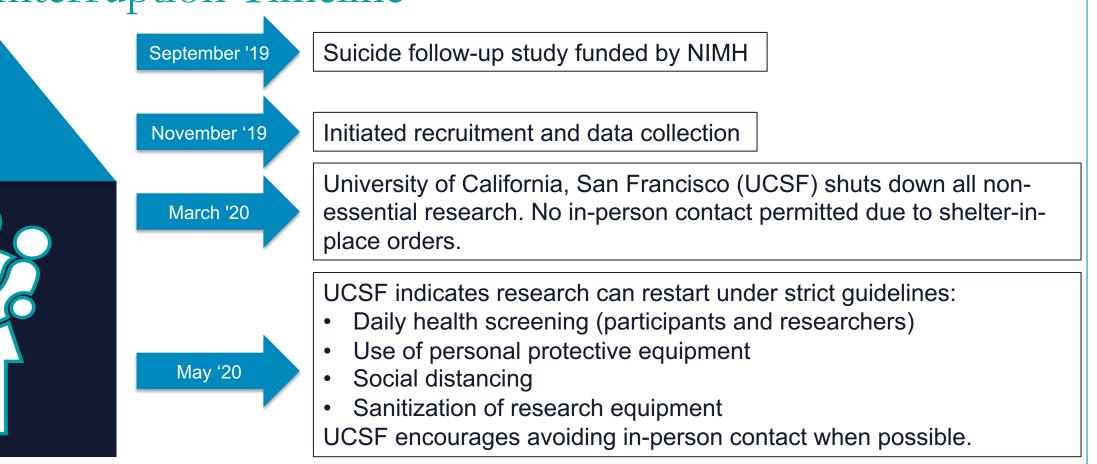
Determine necessary changes to recruitment and data collection, following the onset of COVID-19, for a mixed methods study to examine HPA axis dysregulation as a potentially heritable phenotype of suicide that may significantly increase risk.

# Planned Follow-up Study Methods

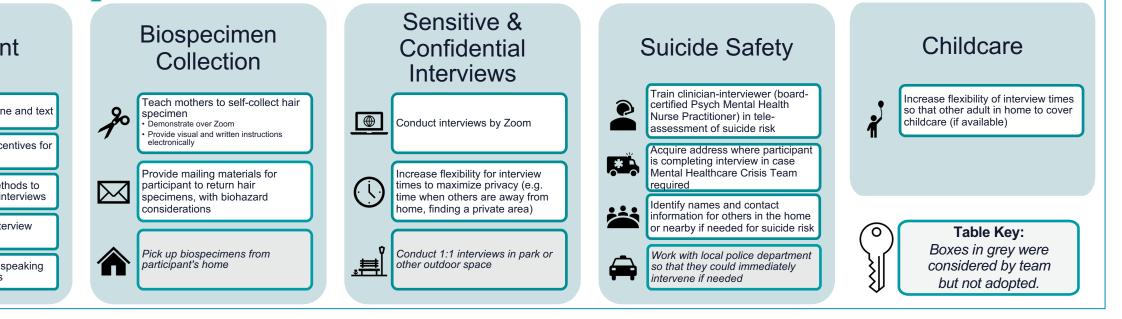
Planned Follow-up Study Methods		Protocol
Completed Data Collection	<ul> <li>Conducted pre-pandemic</li> <li>3 time points (3rd trimester through 12 months postpartum)</li> <li>Collected measures of maternal salivary cortisol and depression (PHQ-9 and Major Depression Disorder Scale of the PDSQ)</li> </ul>	Repeat contacts by phone
Follow-up Recruitment	<ul> <li>Recruited women who reported suicidal ideation at any timepoint in initial study</li> <li>Eligible sample: 30 out of 190 enrolled women</li> </ul>	Use multiple contact methor schedule & reschedule interview () Increase flexibility for interview fimes Expand use of Spanish speresearch team members
<b>Original</b> Protocol	<ul> <li>Conduct interview with a research team member in the woman's home</li> <li>Measures</li> <li>Interview built around the Columbia Suicide Severity Rating Scale</li> <li>Qualitative probes to elicit nuanced feelings and thoughts regarding suicidal ideation, plans and attempts</li> <li>Researcher also collected: <ul> <li>Additional depression measures</li> <li>Hair specimen for cortisol analysis</li> </ul> </li> </ul>	<ul> <li>Protocol</li> <li>Image: Constraint of the stabilish rape</li> <li>Or the stabilish rape</li>     &lt;</ul>

This research was supported by NICHD and NIMH Awards to S. Weiss (R01 HD081188; R01 HD081188-05S1). Rebecca Salomon and Katie Reeves were also supported by NINR (T32NR016920).

#### COVID Interruption Timeline



## Adaptations: Considered and Made



# Adaptations: Strengths, Weaknesses and Warnings

