

Suicide Mortality During the Perinatal Period: A
Mixed Methods Analysis of Precipitating
Circumstances Using the National Violent Death
Reporting System

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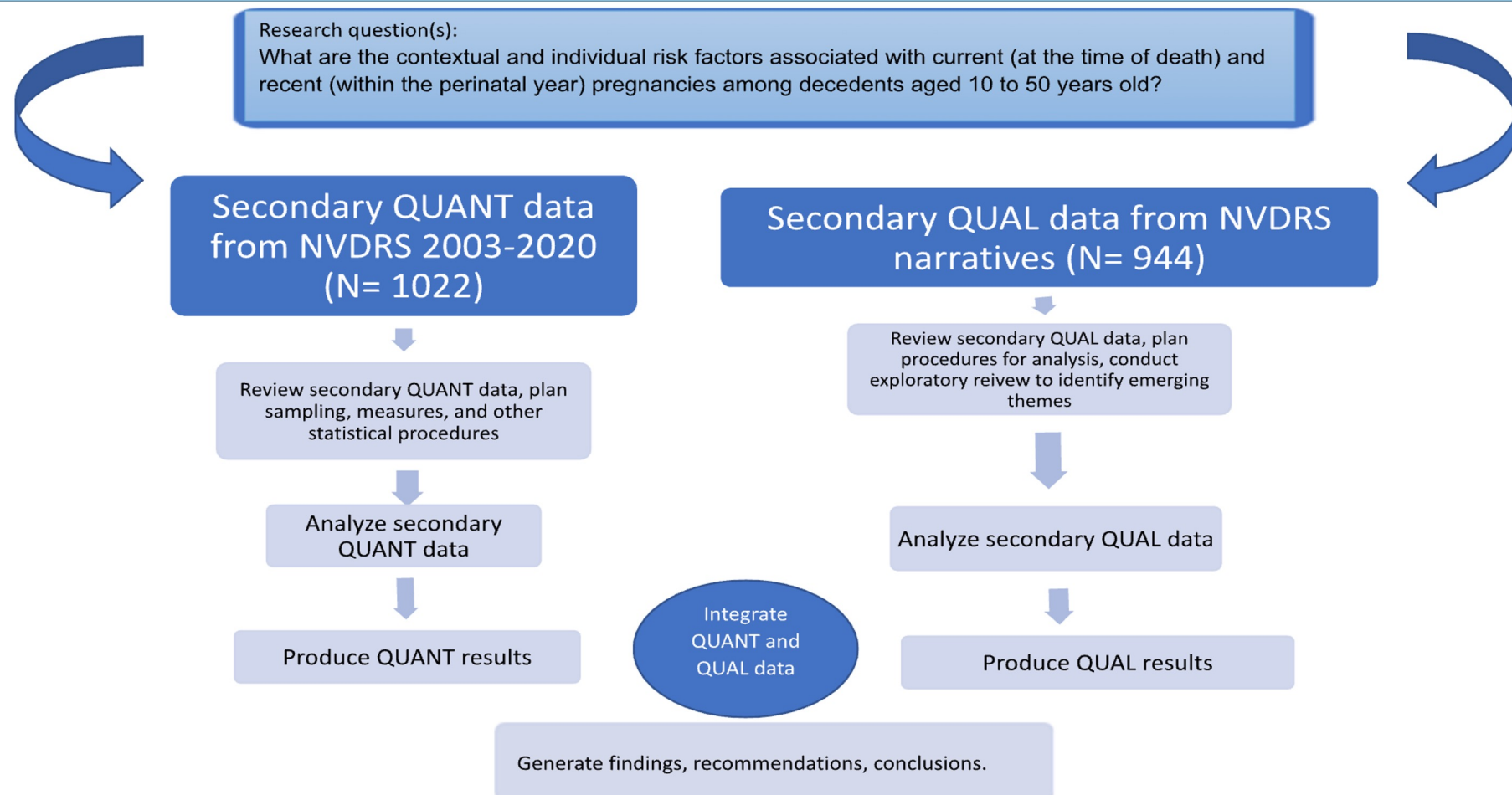
PROJECT OVERVIEW

- Background & Objective
- Method
- My Role
- Example Results

BACKGROUND & OBJECTIVE

- Background: Suicide during the perinatal period (e.g., during pregnancy and up to a year postpartum) is among the leading cause of maternal mortality and accounts for about 20% of postpartum deaths.
- Objective: Compare contextual precipitating circumstances among three groups of individuals who died by suicide: 1) during pregnancy, 2) during postpartum (within a year), 3) similarly aged women without evidence of pregnancy.

METHOD



MY ROLE

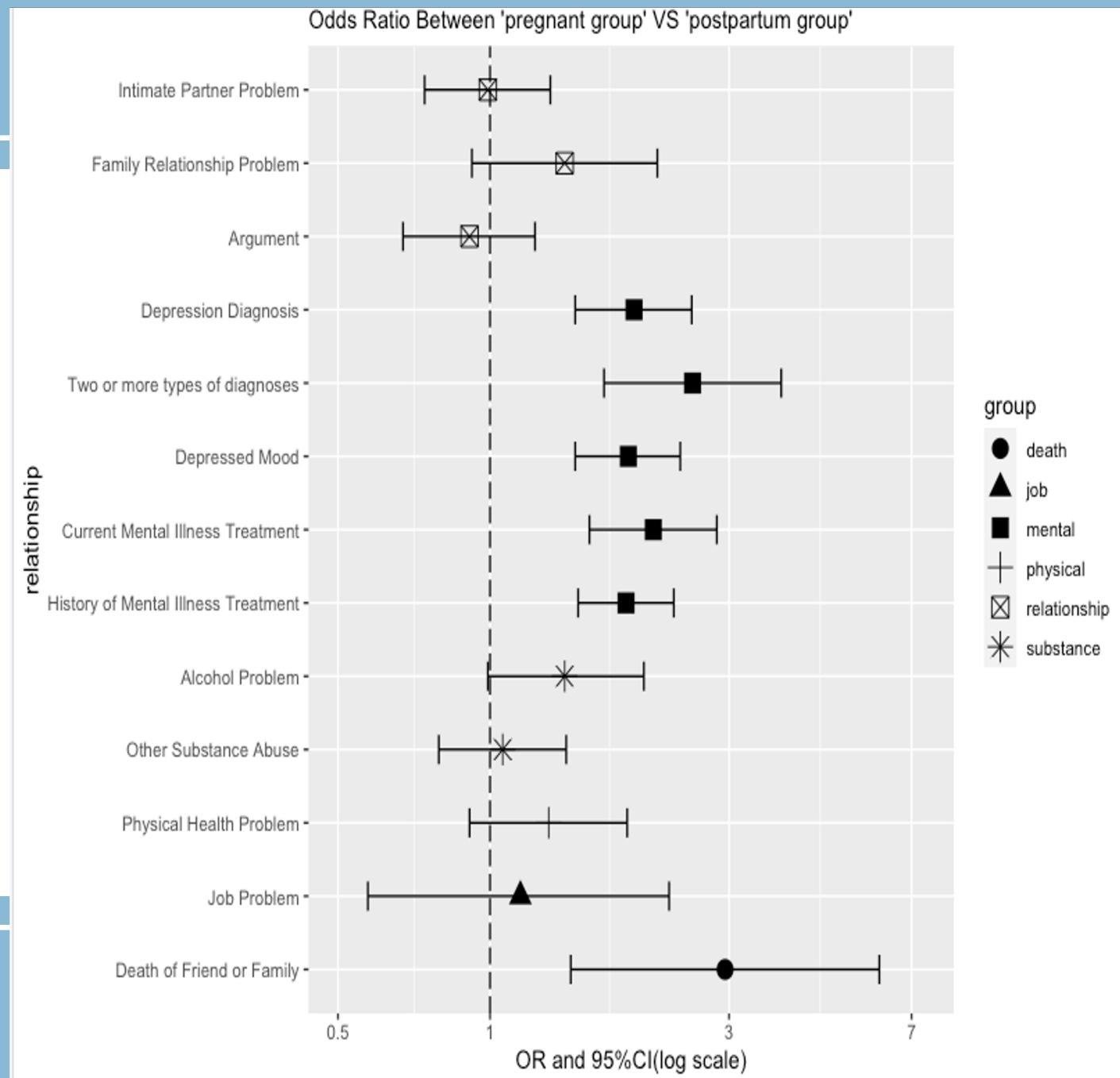
Qualitative Portion:

- Build and iteratively update qualitative codebook
- Lead the [POTATO annotation tool](#) setup for team collaboration based on the codebook
- Annotate the first round of NVDRS narratives (N = 189) through POTATO on Armis2

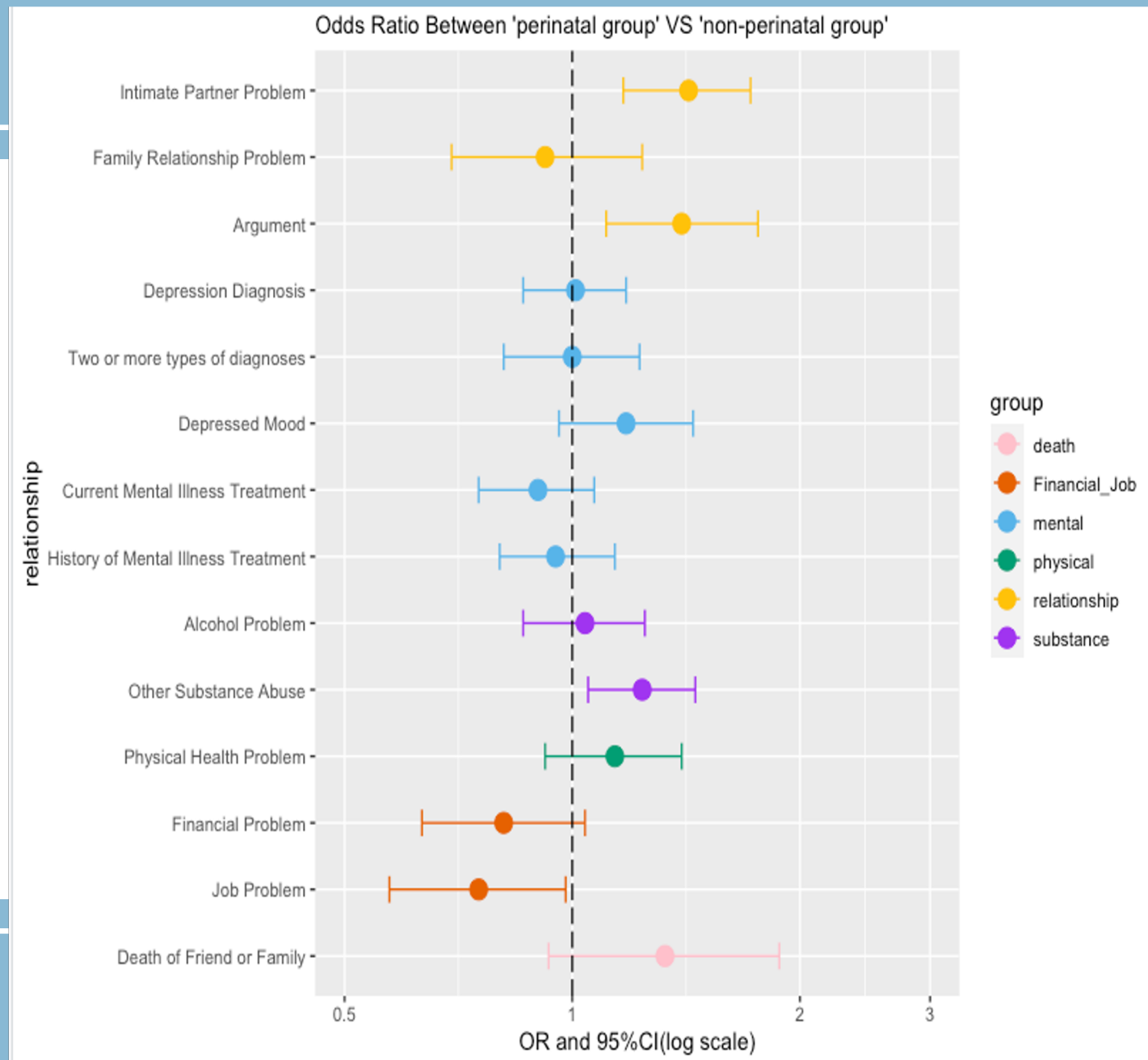
Quantitative Portion:

- Co-lead quantitative portion of the project
 - Model building
 - Results writing
- Attend weekly/biweekly project meeting

EXAMPLE RESULTS - Quantitative Analysis



EXAMPLE RESULTS - Quantitative Analysis



EXAMPLE RESULTS - Qualitative Themes

- Frequent themes coded in preliminary qualitative content analysis:
 - Depression diagnosis: 36%
 - Use of psychiatric prescription medication(s): 28%: (preg 23% vs post 31%, $p=0.003$)
 - Had other children: 24%
 - Use or abuse alcohol: 23%, (preg 18% vs post 26%, $p=0.003$)
 - Suicide note found: ~23%
 - Fight with intimate partner within the past 48 hours: 22%
 - Recent suicidal thoughts/plans (within the past two weeks): 17.6%

AREAS OF GROWTH

- Work with population-based surveillance data
- A new set of knowledge for conducting mixed method analyses
- Value of teamwork and communication
- Utilize people as resources & Always feel confident to seek support

FUTURE GOALS

- Right after graduation from the MPH program, I hope to get a job in the industry or a research center connected to environmental health / risk assessments.
- After a year of work (ideally), I'll decide whether I want to pursue a Ph.D. in Epidemiology.

Suicide Prevention Month

SUICIDE IS
COMPLEX
BUT IT IS
PREVENTABLE

- My
- IPC
- Tayl
- Preg
- Emr
- Oth
- part
- Dan
- IPC

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