

# National Institute of Nursing Research (NINR)

## MMM Updates

Yvonne Bryan

301-594-1580

[bryany@mail.nih.gov](mailto:bryany@mail.nih.gov)

Sung Sug (Sarah) Yoon

301-402-6959

[sungsug.yoon@nih.gov](mailto:sungsug.yoon@nih.gov)

# NINR MMM Program Updates

- **Severe Maternal Morbidity:** An Investigation of Racial-Ethnic Disparities, Social Disadvantage, and Maternal Weight
- Longitudinal Changes in Weight and Biology in the **Pregnancy - Postpartum Period and Subsequent Cardiometabolic Risk**
- **Maternal Stress**, Obesity, and Influenza Virus Vaccine Immunogenicity in Pregnancy
- RCT of a tailored walking program to reduce stress among pregnant women
- Birth Outcomes of Second Children after **Community-based Home Visiting**
- Development of a **Group Prenatal Care Intervention to Address Maternal and Child NCD Risk** in American Samoa
- **Metabolomics of Labor Dysfunction** in African-American Women

# NINR MMM Future Research/Programs

- Improving management of pregnancy-related critical conditions—**antepartum, intrapartum and postpartum care**
- **Coping behaviors** in women with severe maternal morbidity
- **Risks** for severe maternal morbidity and maternal mortality
- **Health disparity** in maternal health
- The **microbiome, exogenous hormones** related to maternal health
- Factors linked to **resilience** in maternal morbidity and mortality
  - Programs/Clinical Trial Networks
    - Maternal Nutrition and Pre-pregnancy Obesity: Effects on Mothers, Infants and Children