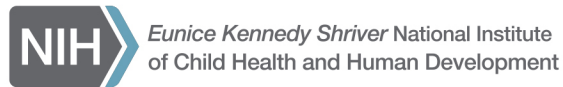


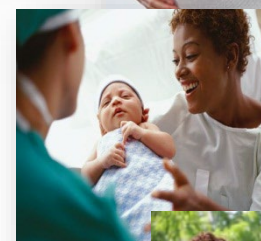
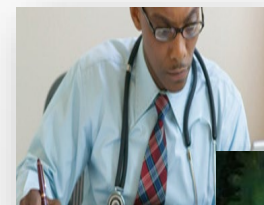
NICHD Sexual & Gender Minority Health Research

Sonia Lee, PhD
SGMRO Regional Workshop
Atlanta, GA, May 30, 2019



The NICHD Mission is to ensure...

- That every person is born healthy and wanted
- That women suffer no harmful effects from reproductive processes
- That all children have the chance to achieve their full potential for healthy and productive lives, free from disease or disability
- The health, productivity, independence, and well-being of all people through optimal rehabilitation



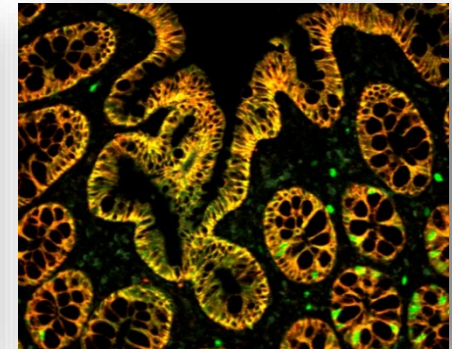
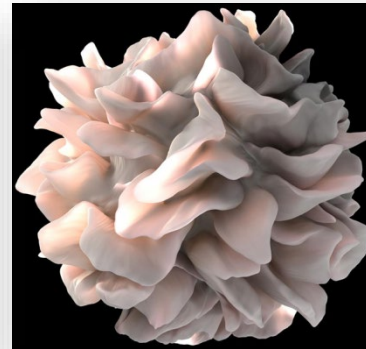
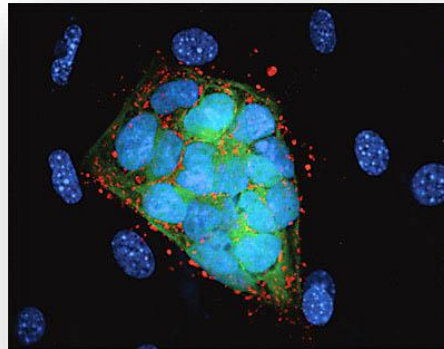
NICHD's efforts encompass:

Activities from basic science to clinical applications to public and provider education



NICHD...

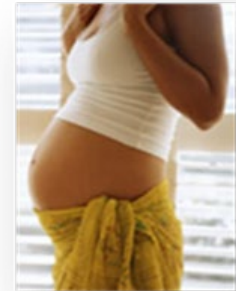
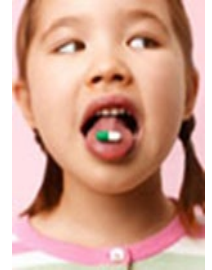
Fulfilling the mission through extramural research



NICHD Populations



- ☐ infants
- ☐ children
- ☐ adolescents
- ☐ emerging/young adults
- ☐ orphans and vulnerable children
- ☐ pregnant and non-pregnant women
- ☐ sexual and gender minorities







- Large-scale population-representative surveys examining the demographic and social characteristics
- Household composition and outcomes for children and families
- Methods for estimating size and characteristics of small and/or hard-to-reach populations
- Studies based on population-representative samples and related to reproductive health or overall health
- Behavioral interventions to improve reproductive health outcomes

Child Development and Behavior



- Social, emotional, psychological, and cognitive development in SGM youth
- Methods of conducting research with SGM youth populations in domains relevant to mission areas
- Identity-related issues and experiences of stigma and discrimination in children, adolescents, and young adults
- Impact of brain development of hormonal therapy in children/adolescents





- Effects and consequences of surgical procedures and hormone administration on gynecological health outcomes
- Barriers to/options for fertility care, including assisted reproductive technologies
- Impact of hormonal or other therapies on reproductive function, fertility options and fertility preservation, and gamete quality





- Domestic and international research related to the epidemiology, diagnosis, clinical manifestations, pathogenesis, transmission, treatment, and prevention of HIV infection, complications, co-infections and co-morbidities
- Barriers and facilitators to accessing HIV/AIDS and/or STI care
- Contributions of intimate partner violence and anti-SGM victimization to rates of HIV and STI transmission
- Behavioral and social science; implementation science



Study Topics in DASH (*biospecimens available)

Autism Spectrum Disorders
Birth Defects
Cerebral Palsy
Children's Bone Health & Calcium
Diabetes
Driving Risk
Early Learning
High-Risk Pregnancy & Pregnancy Loss
HIV/AIDS*
Infant Care & Health
Infant Mortality
Infertility & Fertility
Labor & Delivery
Neuroscience
Necrotizing Enterocolitis
Obesity & Overweight
Obstetrics
Pediatric Injury

Pelvic Floor Disorder
Pharmacology
Preconception & Prenatal Care
Preeclampsia & Eclampsia
Pregnancy*
Preterm Labor & Birth*
Primary Ovarian Insufficiency
Rehabilitation Medicine
Sleep
Spinal Cord Injury
Stillbirth
Stroke
Sudden Infant Death Syndrome
Traumatic Brain Injury
Turner Syndrome
Women's Health

**133** Studies**35** Study Topics**136** Data Requests**15** Data Use Publications**8** Studies Offering Biospecimens

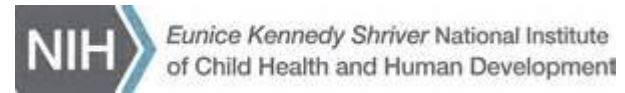
- Centralized resource for researchers to store de-identified data and to access data and associated biospecimens from NICHD supported studies
- Can help investigators meet NIH's data sharing requirements for their own studies
- Data sharing launched in August 2015; biospecimen request launched in March 2019
- Governed by the NICHD DASH Committee
- Aims to accelerate scientific findings to ultimately improve human health

- **NICHD DASH has added a new function: managing requests for NICHD biospecimens.**
- **While not a biorepository itself, DASH serves as a portal for access to biospecimens associated with DASH data collections.**
- **Investigators worldwide can now request both biospecimens and data for secondary analyses; other than the costs of preparing and shipping biospecimens, these specimens are free to investigators.**
- **Studies with biospecimens currently available include:**
 - **Genomic and Proteomic Network for Preterm Birth Research (GPN) – three studies**
 - **NICHD International Site Development Initiative (NISDI) – four studies**
 - **Mothers and Infants Cohort Study (MICS)**

Study Topic Areas of Current Biospecimens	Currently Available Biospecimens		
<ul style="list-style-type: none"> ▪ HIV/AIDS ▪ Pregnancy ▪ Preterm Labor and Birth 	<ul style="list-style-type: none"> ▪ Amniotic fluid ▪ Blood ▪ Breast milk 	<ul style="list-style-type: none"> ▪ DNA/RNA/Proteins ▪ Saliva ▪ Serum/Plasma 	<ul style="list-style-type: none"> ▪ Tissue samples ▪ Urine ▪ Vaginal fluid



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NICHD website:

<https://www.nichd.nih.gov/about/org/der/branches/mpidb>