

# Paternal Involvement in Pregnancy Outcomes: Meeting Charge

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Paternal Involvement in Pregnancy Outcomes Workshop  
Bethesda, MD  
September 25, 2013



*E Pluribus Unum*

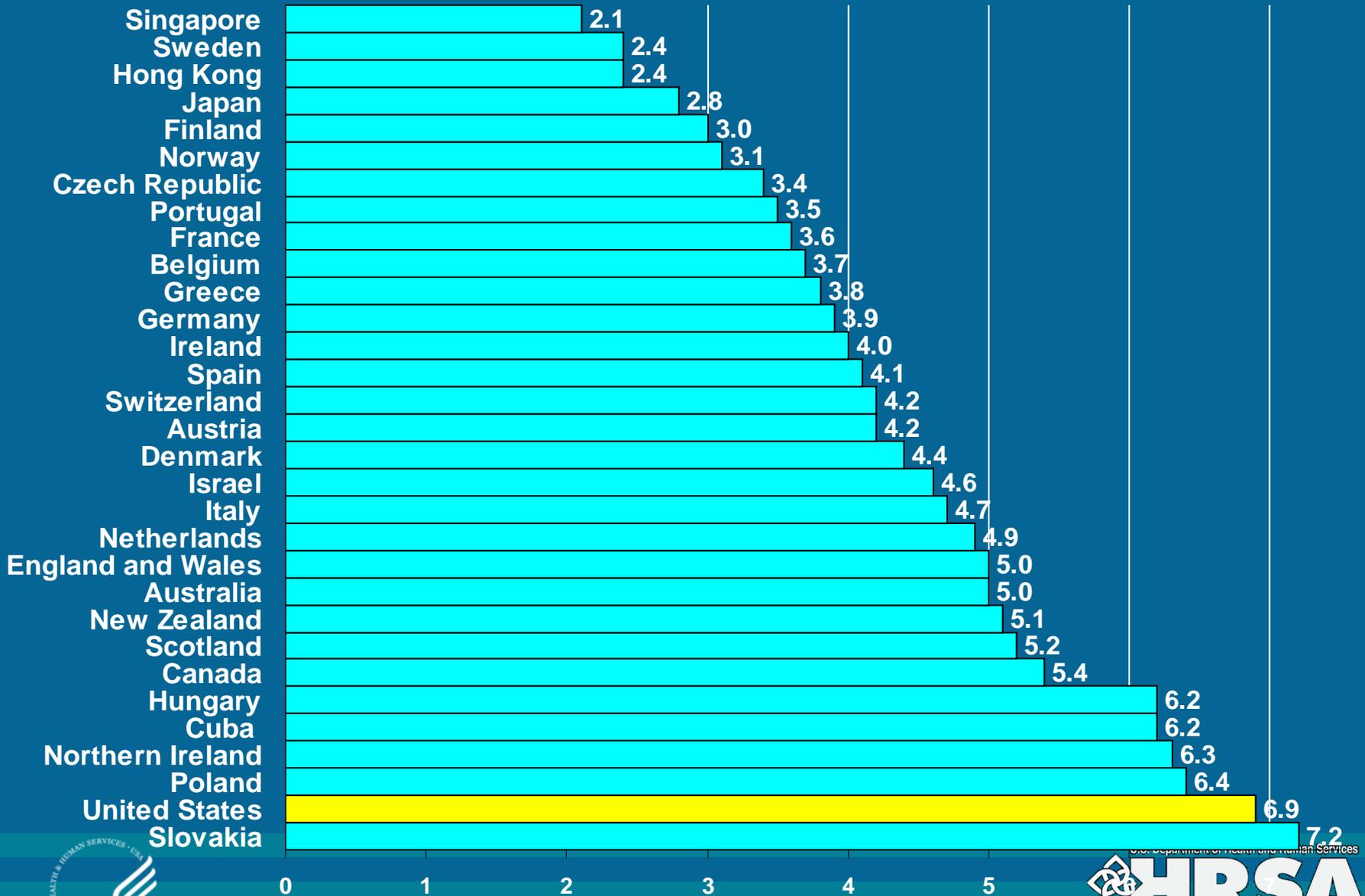


# Purpose

- To improve father involvement in pregnancy outcomes



# Infant mortality rates, selected countries, 2005



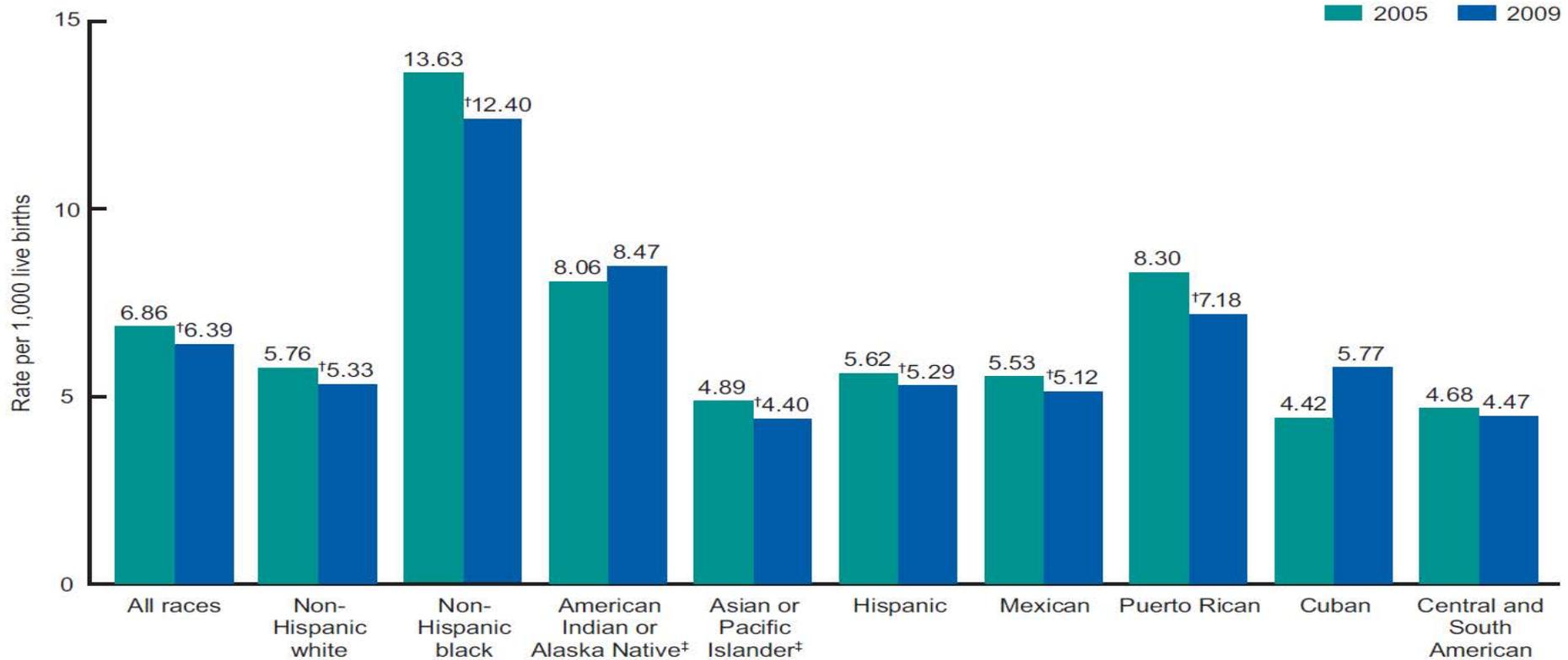
Source: Health, United States, 2008

Rate per 1,000 live births



# Infant mortality rates, United States, 2005 and 2009

Source: CDC/NCHS linked birth/infant death data set.



† Significant decline.

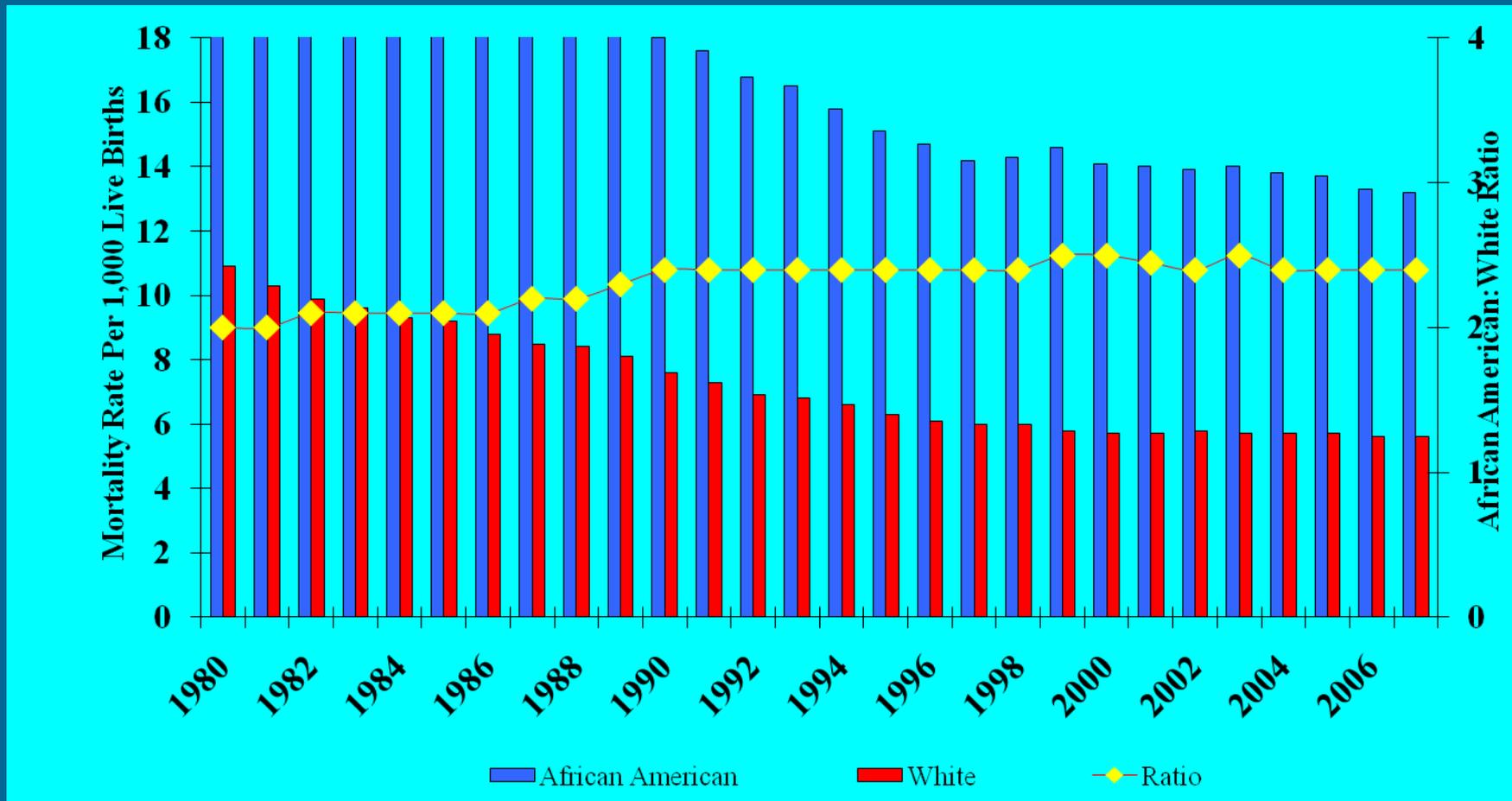
‡ Includes persons of Hispanic and non-Hispanic origin.

SOURCE: CDC/ NCHS, National Vital Statistics System.

Figure 1. Infant mortality rates, by race and ethnicity of mother: United States, 2005 and 2009



# Black-White Gap in Infant Mortality 1980-2007



Data Source: NCHS

- **What does father involvement have to do with pregnancy outcomes?**
- **How do we get fathers more involved in pregnancy outcomes?**



# Agenda

## Day 1

- 9:00-12:30 Plenary Presentations: *Moderator: Tonse Raju, MD, Chief, Pregnancy and Perinatology Branch, NICHD, NIH*
- 9:00-9:30 Voices of fathers: Kathryn Edin, Ph.D., Harvard University
- 9:30-9:55 Father's role in preconception health: Milton Kotelchuck, Ph.D., M.P.H., Massachusetts General Hospital
- 9:55-10:20 Paternal involvement during pregnancy: Amina Alio, Ph.D., University of Rochester
- 10:20-10:35 Break
- 10:35-11:05 Biological basis of paternal behavior: Karen Bales, Ph.D., University of California, Davis
- 11:05-11:30 Paternal involvement and birth outcomes: Dawn Misra, Ph.D., Wayne State University
- 11:30-11:55 Paternal involvement: First year: Natasha Cabrera, Ph.D., University of Maryland
- 11:55-12:15 Measuring fathers' involvement: Brent McBride, Ph.D., University of Illinois, Urbana-Champaign
- 12:15-12:30 Question / Answer Session
- 12:30-1:30 **WORKING LUNCH:** *Moderator: Benjamin Margolis, PhD, MPH, Health Scientist, MCHB, HRSA*  
Why we should be concerned about father's role in preconception health, pregnancy and birth outcomes: Ronald Mincy, Ph.D., Columbia University



# Agenda

## Day 1

- **1:40-3:10 Breakout Groups meet in Pre-assigned sections (Part 1: Research Questions)**
  - Group 1: Father's role in preconception health: Milton Kotelchuck, Ph.D., M.P.H., Massachusetts General Hospital
  - Group 2: Pregnancy and paternal involvement: Craig Garfield, M.D., Northwestern University
  - Group 3: Paternal involvement and birth outcomes: Hamisu Salihu, M.D., Ph.D., University of South Florida
  - Group 4: Father involvement: First year: Catherine Tamis-LeMonda, Ph.D., New York University
- **3:10-3:25 Break**
- **3:25-4:55 Breakout Groups meet in pre-assigned sections (Part 2: Methods)**
  - Group 1: Father's role in preconception health: Milton Kotelchuck, Ph.D., M.P.H., Massachusetts General Hospital
  - Group 2: Pregnancy and paternal involvement: Craig Garfield, M.D., Northwestern University
  - Group 3: Paternal involvement and birth outcomes: Hamisu Salihu, M.D., Ph.D., University of South Florida
  - Group 4: Father involvement: First year: Catherine Tamis-LeMonda, Ph.D., New York University
- **5:30-6:30 WORKING DINNER**     *Moderator: Tonse Raju, M.D., Chief, PPB, NICHD, NIH*
  - Community Child Health Research Network (CCHN) Report:
  - Sharon Ramey, Ph.D., Virginia Tech Carilion & Peter Schafer, M.S., Baltimore Healthy Start



# Agenda

## Day 2

- **8:30-12:15 Breakout Groups Reports:** *Moderator: Lauren Supplee, Ph.D., Director, Division of Family Strengthening, ACF*
  - 8:30- 9:00 a.m. Working Groups reconvene to finalize presentations
  - 9:00- 9:30 a.m. Group 1 presentation: Milton Kotelchuck, Ph.D., M.P.H., Massachusetts General Hospital
  - 9:30-9:45 a.m. Discussion/Q &A
  - 9:45-10:15 a.m. Group 2 presentation: Craig Garfield, M.D., Northwestern University
  - 10:15-10:30 a.m. Discussion / Q & A
  - 10:30-10:45 a.m. Break
  - 10:45-11:15 a.m. Group 3 presentation: Hamisu Salihu, M.D., Ph.D., University of South Florida
  - 11:15-11:30 a.m. Discussion / Q & A
  - 11:30 a.m.–12:00 p.m. Group 4 presentation: Catherine Tamis-LeMonda, Ph.D., New York University
  - 12:00-12:15 p.m. Discussion / Q & A
- **12:15-1:15 WORKING LUNCH** *Moderator: Reiko Toyama, Ph.D., Health Scientist Administrator, OHE, NICHD, NIH*  
Father Involvement - A Community Perspective: Rueben Warren, D.D.S., M.P.H., Tuskegee University
- **1:15- 2:15 Reflections:** Allen Herman, M.D., Ph.D., Econometrica, Inc.
- **Synthesis:** Milton Kotelchuck, Ph.D., M.P.H.
- **2:15-2:30 Closing Remarks**
  - Yvonne Maddox, Ph.D., Deputy Director, NICHD, NIH
  - Earl Johnson, Ph.D., Director, Office of Family Assistance, ACF



# Aims

- Develop transformative research agenda
  - *What are the key priority research questions we need answers to if we want to help fathers in this country get a lot more involved in pregnancy outcomes?*



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*"Never, ever, think outside the box."*



# Aims

- Develop transformative research agenda
- Engineer transdisciplinary collaboration
  - **Multidisciplinary research**
    - Researchers from different fields work independently or sequentially, each from his or her own disciplinary perspective, to address a particular research topic
  - **Transdisciplinary research**
    - Researchers work together to develop a shared conceptual framework that integrates and extends discipline-based concepts, theories, and methods to address a common research topic (Stokols D, Misra S, Moser RP, Hall KL, Taylor BK. The Ecology of team science: understanding contextual influences on transdisciplinary collaboration. Am J Prev Med. 2008 Aug;35(2 Suppl):S96-115.)
- Inform translational research



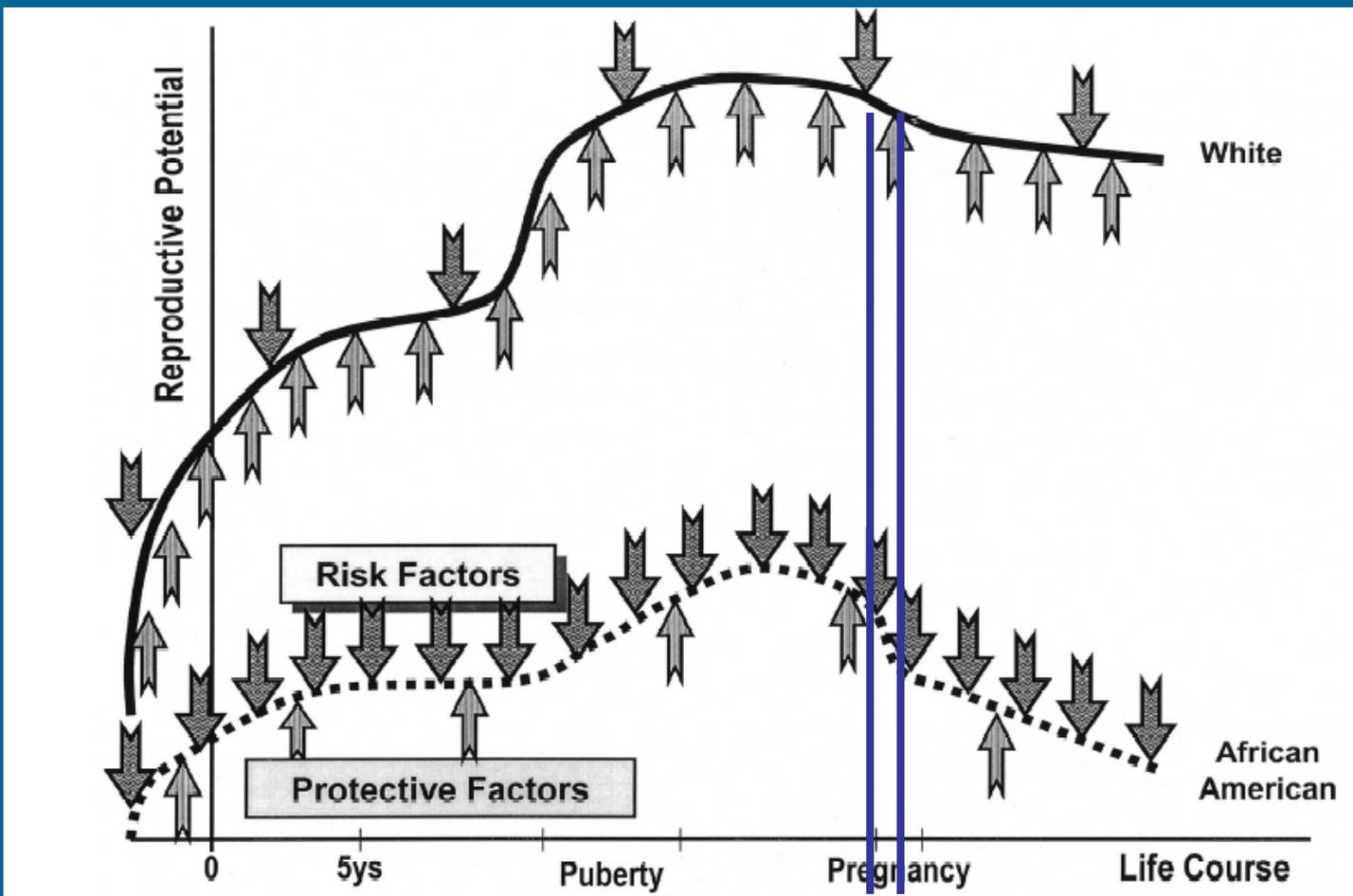
# Ecological Framework: Determinants of Father Involvement

- **Individual**
  - Knowledge, attitudes, and skills
  - Human capital (educational & employment status)
- **Interpersonal**
  - Relationship with the mother
  - Relationship with maternal grandmother, mother's new partner, others
- **Institutional & community**
  - Norms, values, expectations
  - Unemployment
  - Incarceration
  - Institutionalized racism
- **Public policy**
  - Temporary Assistance for Needy Families
  - Earned Income Tax Credit
  - Child Support

Lu MC, Jones L, Bond MJ, Wright K, Pumpuang M, Maidenberg M, Jones D, Garfield C, Rowley DL. Where is the F in MCH? Father involvement in African American families. *Ethn Dis.* 2010;20:S2-49-61.



# Life Course Perspective



Lu MC, Halfon N. Racial and ethnic disparities in birth outcomes: a life-course perspective. *Matern Child Health J.* 2003;7:13-30



# Determinants of Father Involvement

*How do boys become men, and how do men become fathers?*



# Aims

- Develop transformative research agenda
- Engineer transdisciplinary collaboration
- Catalyze translational research
  - *What kind of research should we be doing now if we want to get a lot better in helping fathers get involved in pregnancy outcomes 5 or 10 years from now?*



# 3T's

- Develop **transformative** research agenda
- Engineer **transdisciplinary** collaboration
- Catalyze **translational** research

