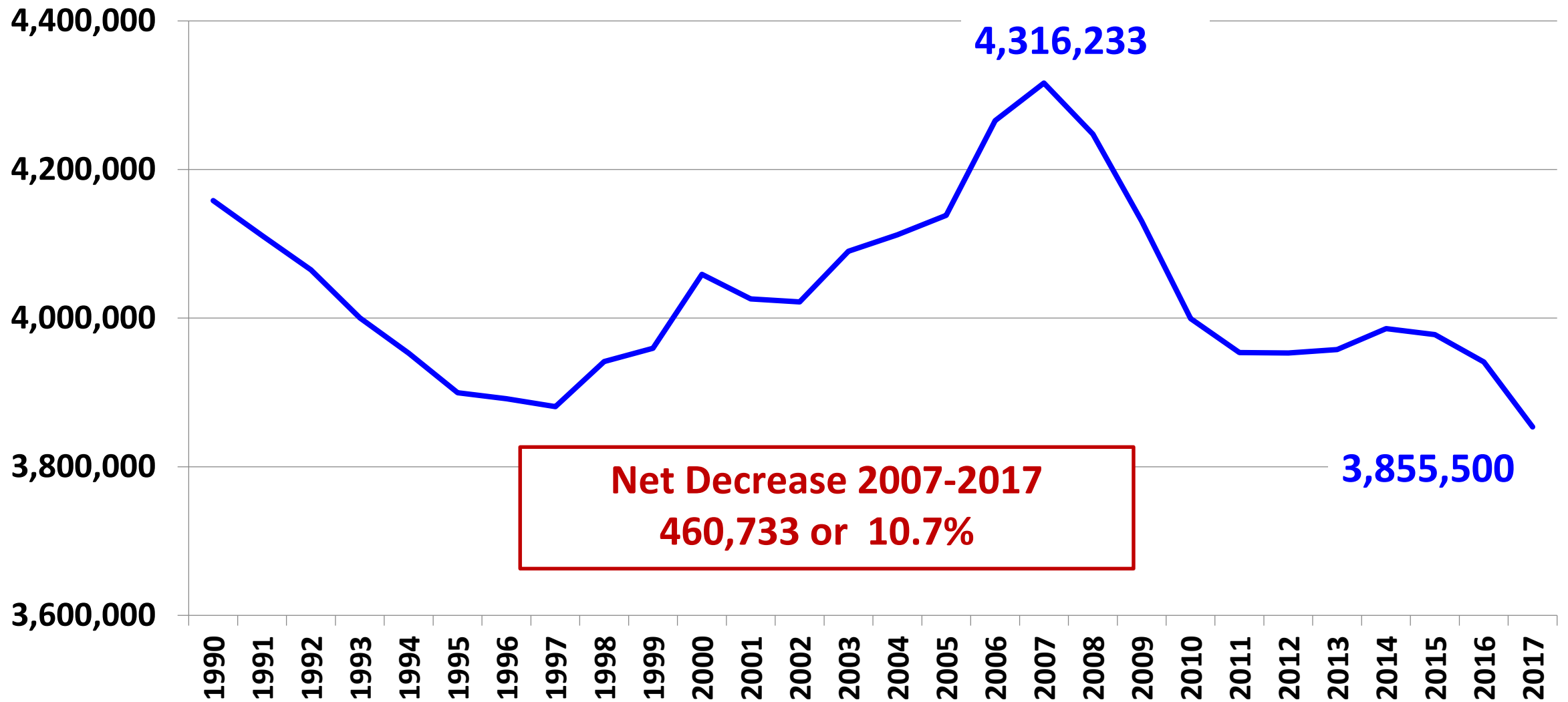


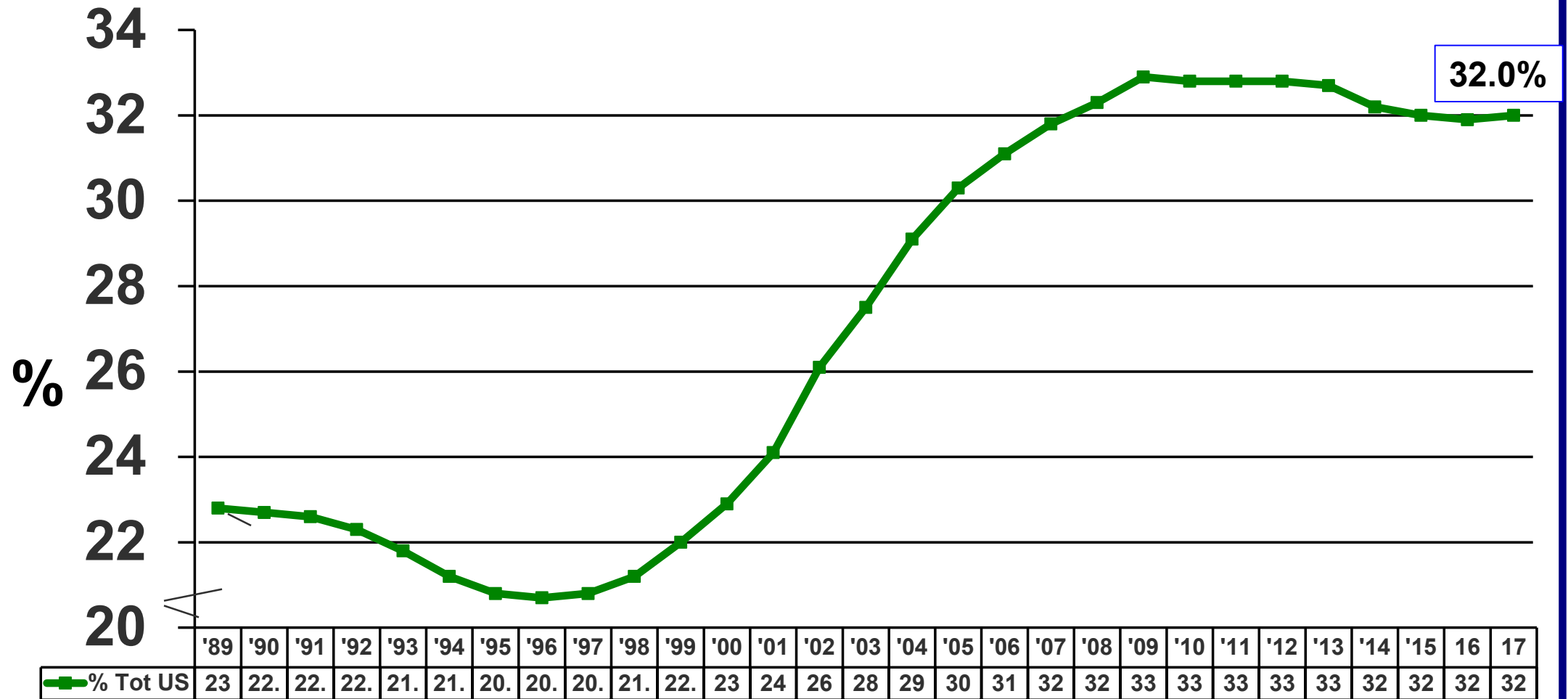
Total U.S. Births, 1990-2017



Source: Annual NCHS Reports on Births

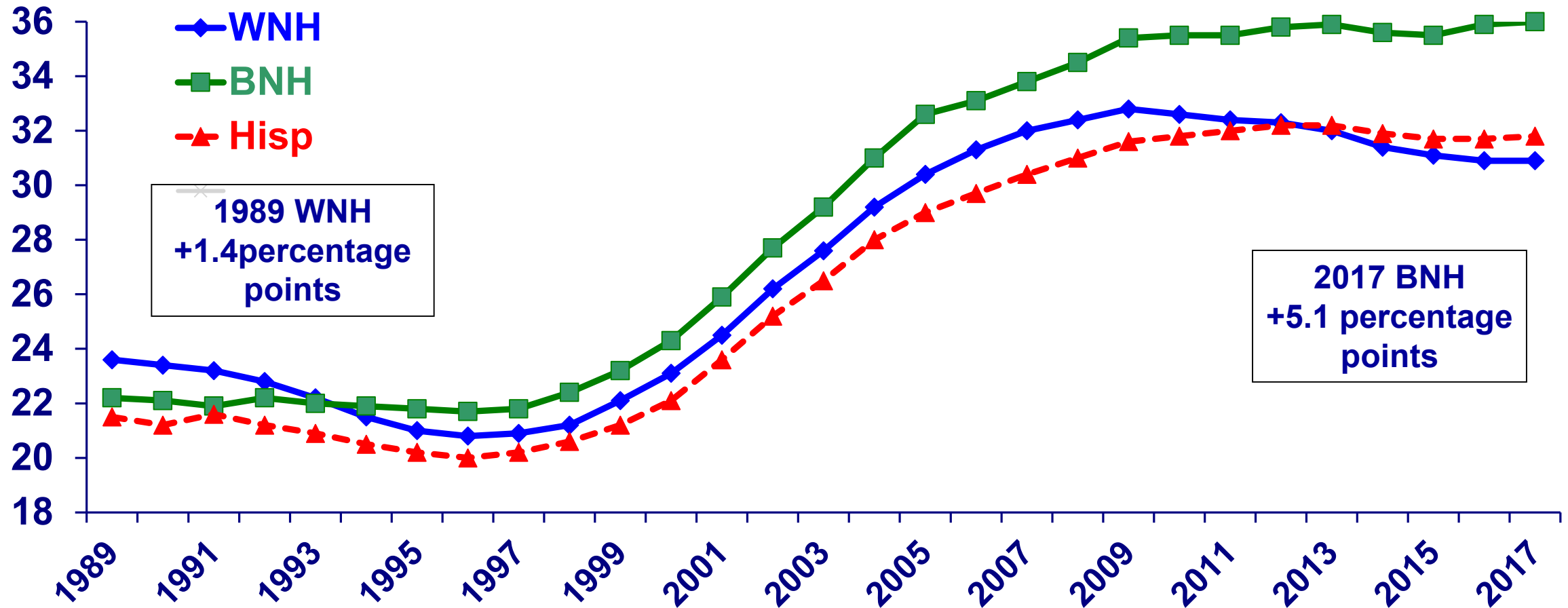
BirthByTheNumbers.org

US Cesarean Rates, 1989-2017



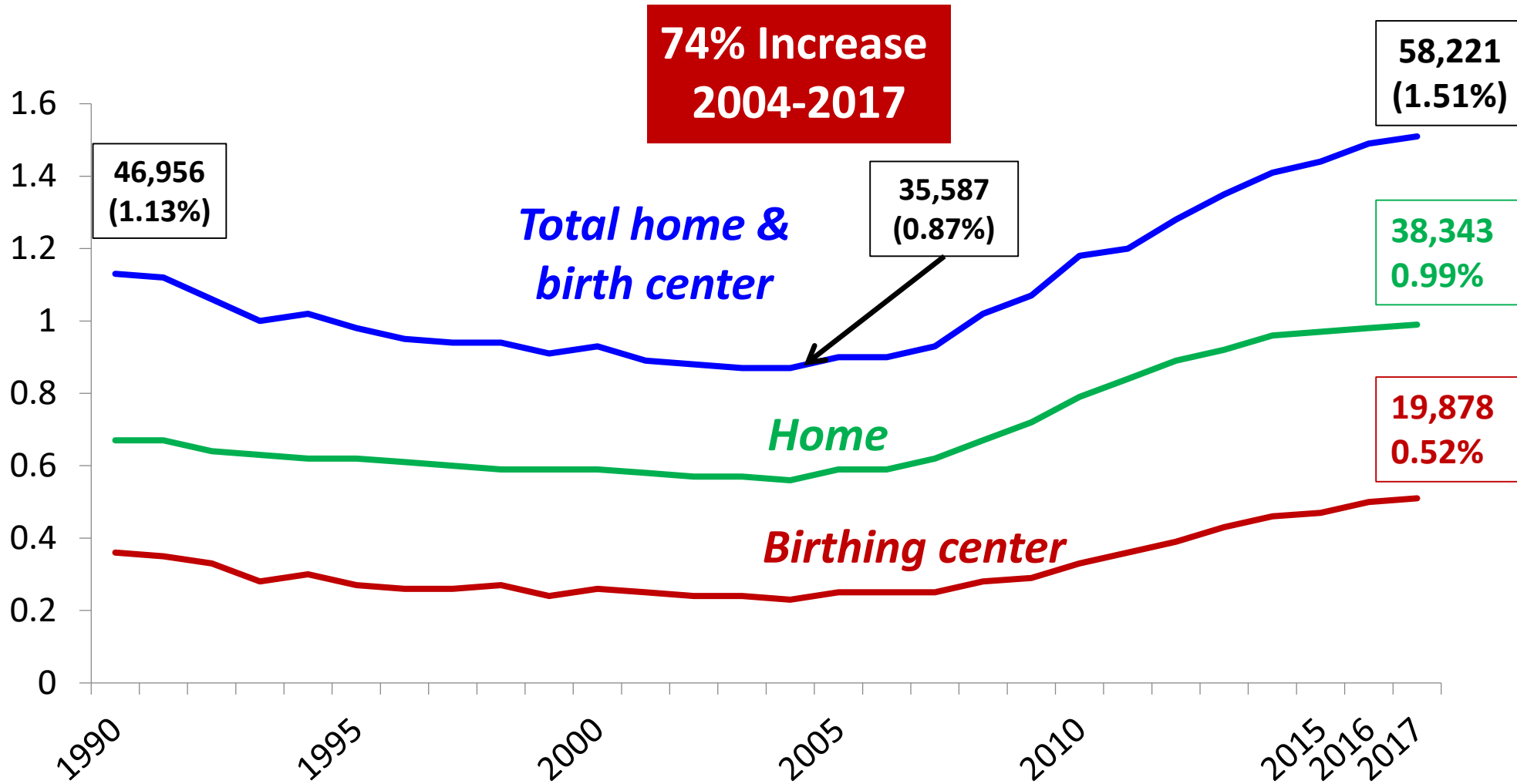
32.0%

Total cesarean rates by race/ethnicity, U.S. 1989-2017

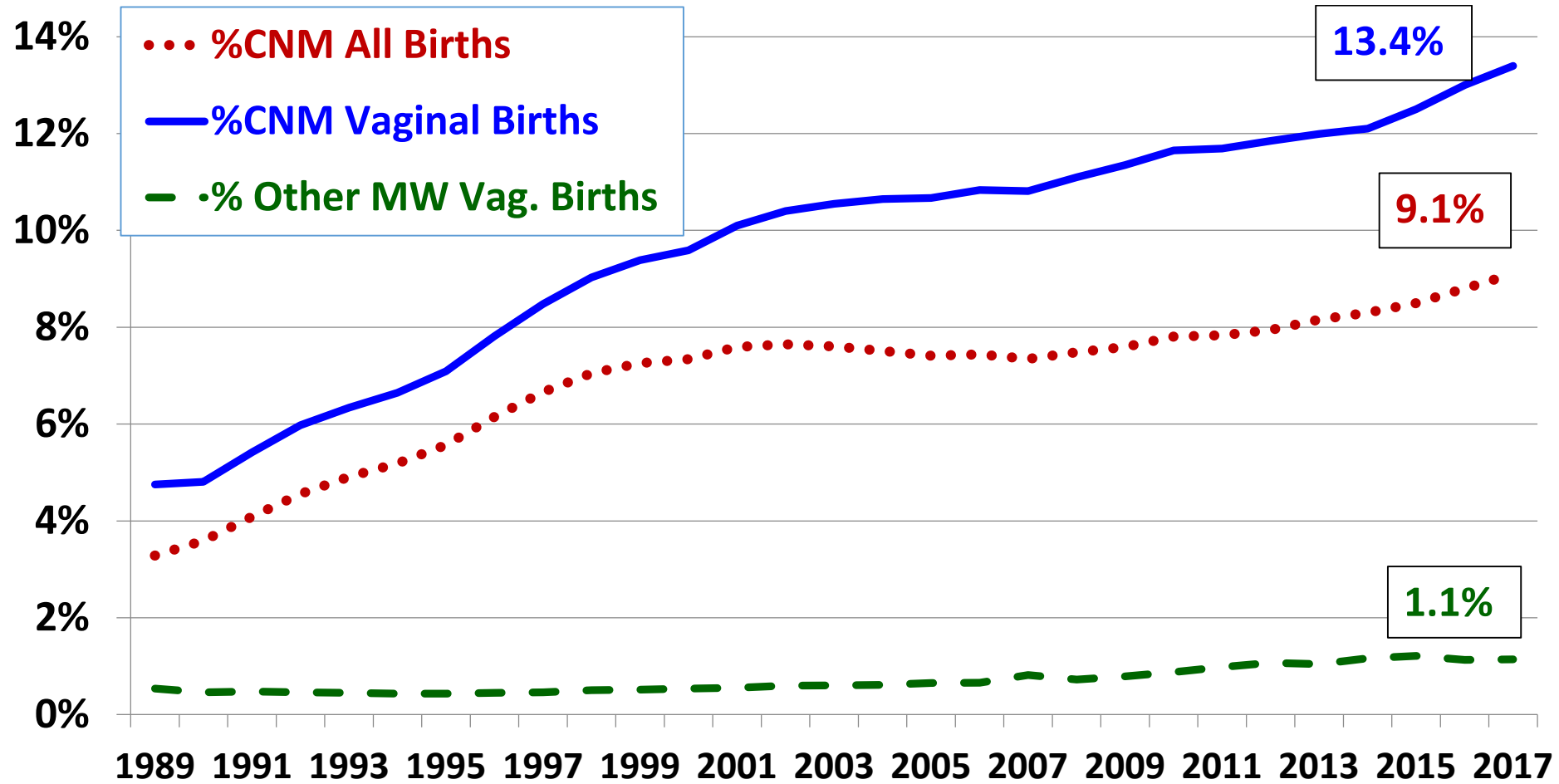


Source: National Center for Health Statistics Annual Birth Reports

Percent of all births at home, or in a birthing center, United States, 1990-2017



Midwife Attended Births 1989-2017

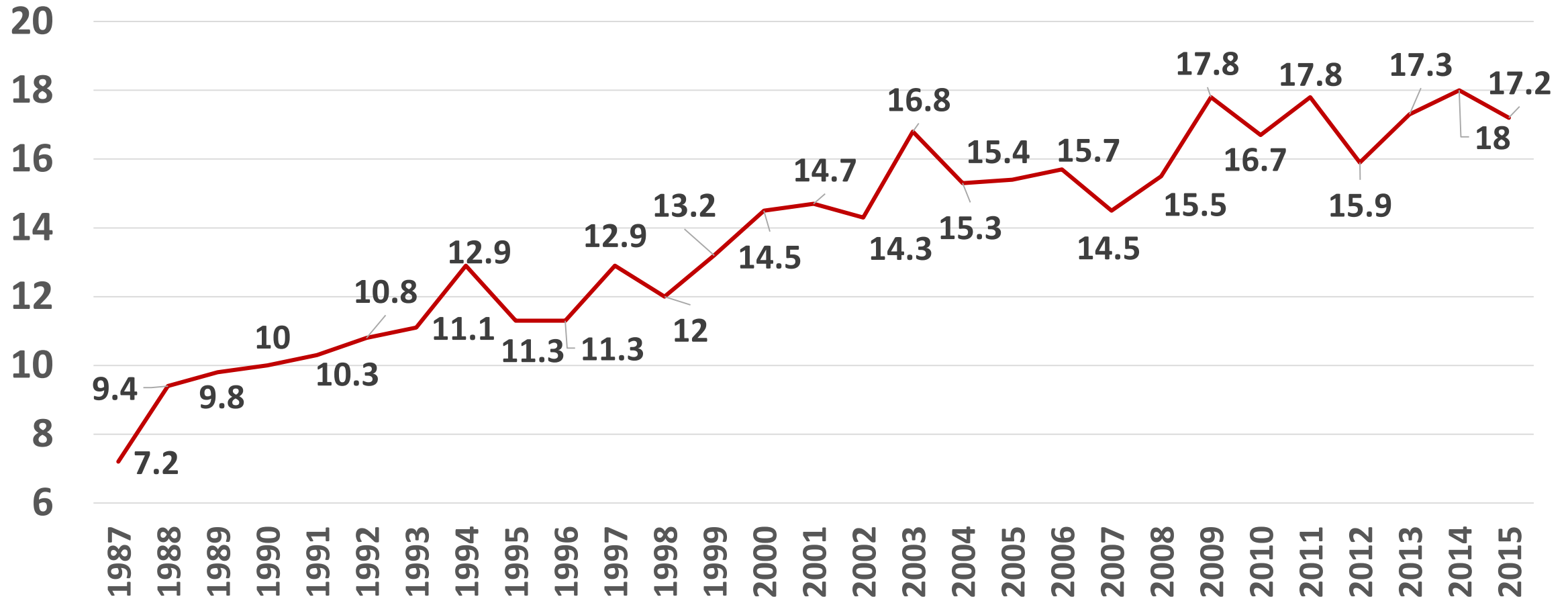


Three Definitions of Maternal Death (in the U.S.)

- **Pregnancy Associated Death** – The death of a women while pregnant or *within one year* of termination of pregnancy, *irrespective of cause*. *Starting point for analyses*.
- **Maternal Mortality Ratio** – the death of a woman *while pregnant or within 42 days of termination of pregnancy*, irrespective of the duration and site of the pregnancy, from any cause *related to or aggravated by the pregnancy* or its management but not from accidental or incidental causes. Typically reported as a ratio per 100,000 births. *Used in international comparisons*.
- **Pregnancy Related Death** – the death of a woman during pregnancy or *within one year* of the end of pregnancy from a pregnancy complication, a chain of events initiated by pregnancy, or the aggravation of an unrelated condition by the physiologic effects of pregnancy. *Used by CDC for U.S. trends*.

Pregnancy Related Mortality, U.S., 1987-2015

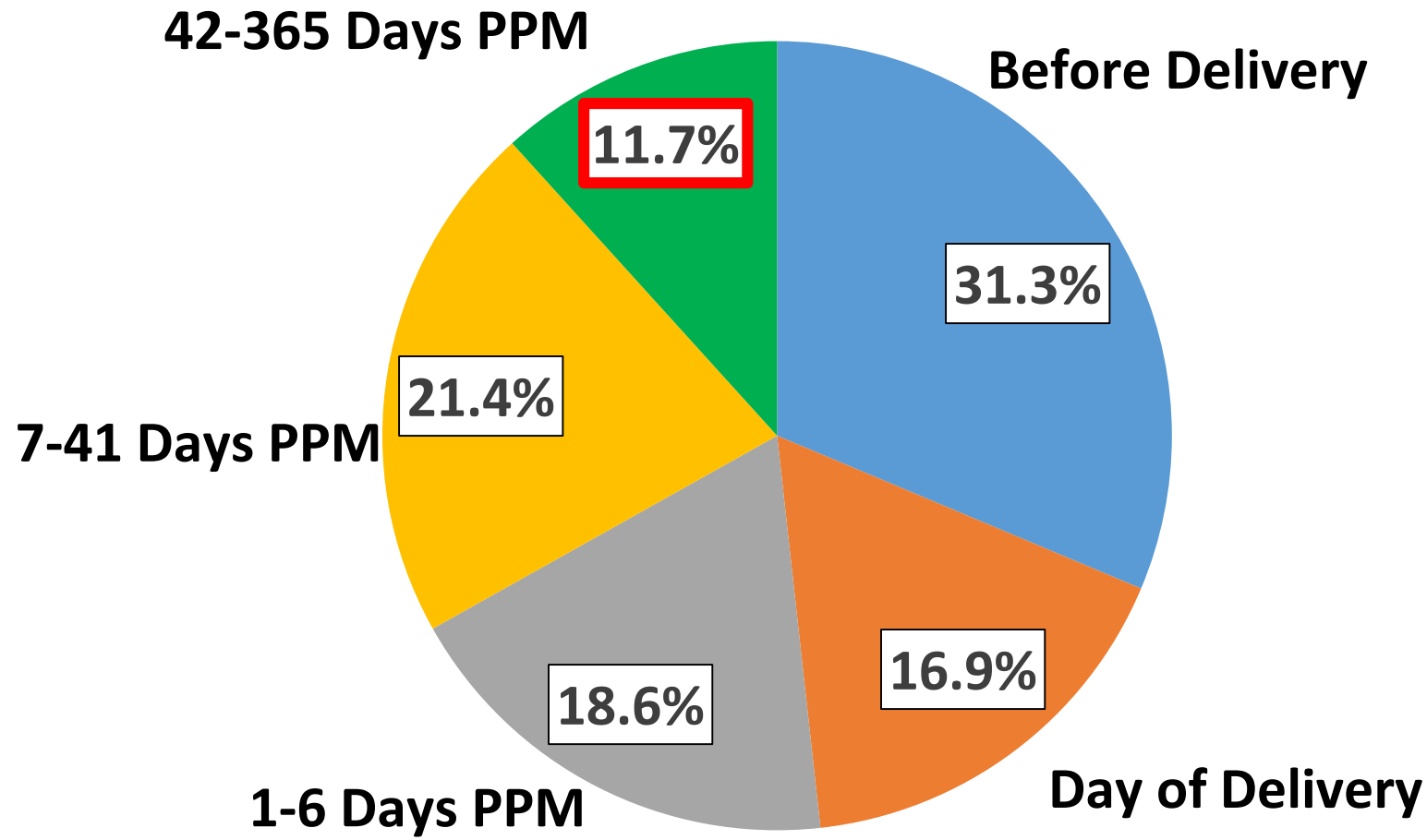
Pregnancy Related Mortality Ratio (per 100,000 births)



Source: CDC. Adapted from Creanga. Pregnancy-Related Mortality in the United States. *Obstet Gynecol* 2017 & Petersen E. et al. Vital Signs: Pregnancy-Related Deaths, United States, 2011–2015,. *MMWR* .vol.68. May 7, 2019. 1-7.

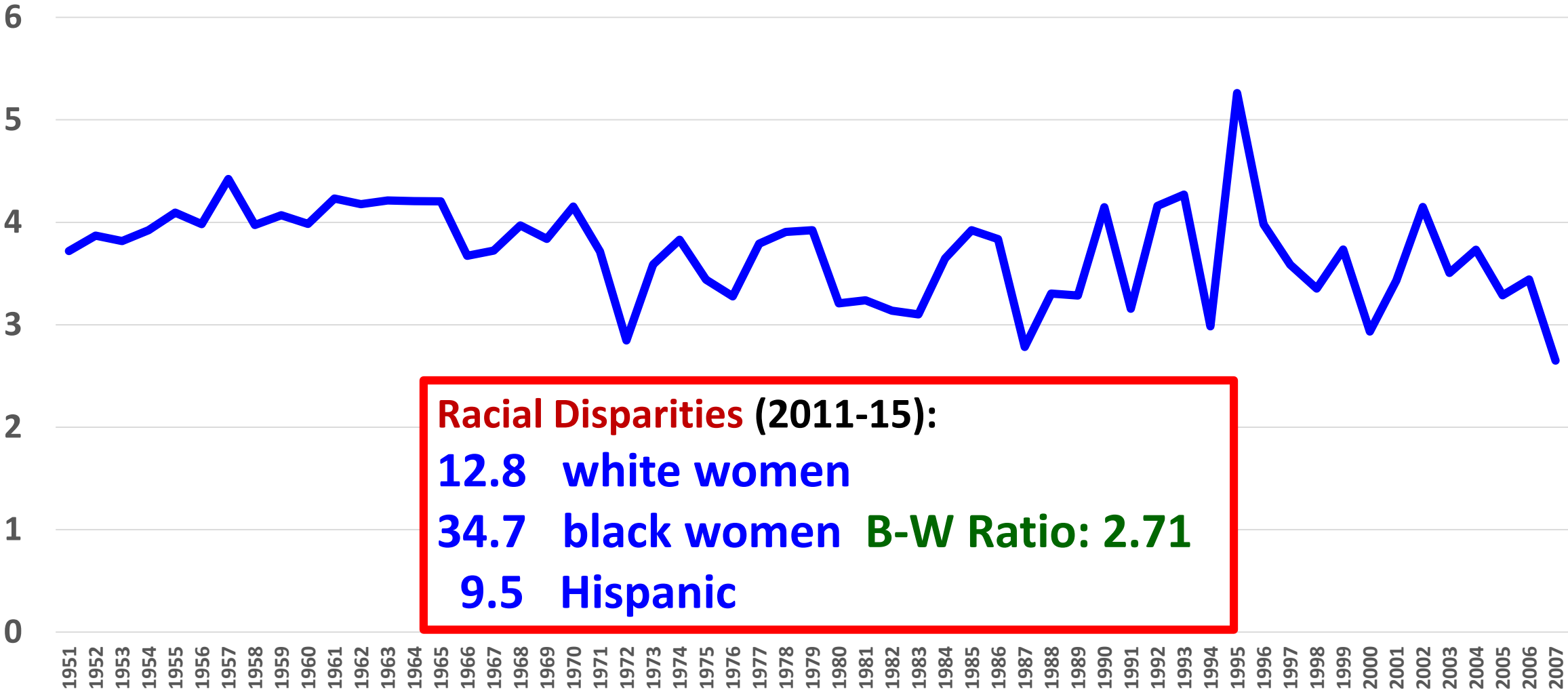
www.BirthByTheNumbers.org

Timing of Maternal Deaths



Source: Petersen E. et al. Vital Signs: Pregnancy-Related Deaths, United States, 2011–2015, and Strategies for Prevention, 13 States, 2013–2017. *MMWR* .vol.68. May 7, 2019. 1-7.

U.S. Maternal Mortality Ratio of Black to White Rates 1951-2007



Racial Disparities (2011-15):
12.8 white women
34.7 black women **B-W Ratio: 2.71**
9.5 Hispanic

Source: (1951-2007)Hoyert DL. Maternal mortality and related concepts. NCHS. Vital Health Stat 3(33). 2007 & NCHS, Annual Death Reports; (2011-2015) *MMWR* .vol.68. May 7, 2019. 1-7

Maternal Mortality is the Canary in the Coal Mine for Women's Health

Florida's Pregnancy-Associated Mortality Review
2007 Update



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Partners in Perinatal Health
30th Annual Meeting

Four Points by Sheraton, Norwood, MA
May 8, 2019

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