

- The rate of SIDS in 2005

 Black (99 per 100 000 live births)

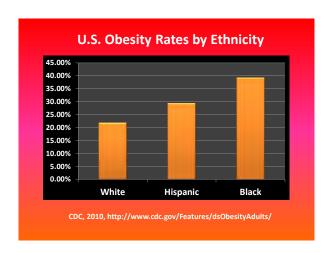
 American Indian/
 Alaska Native (112 per 100 000 live births)

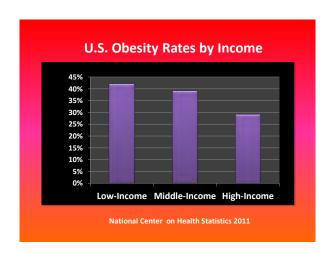
 White infants (55 per 100 000 live births)

 Asian and Hispanic have "nearly half" of the rates for whites
- CDC national survey of new mothers
 59% of African American mothers initiated breastfeeding compared to 75% of white mothers and 80% of Hispanic mothers

 MMWR 2013, 62(5); 77-80





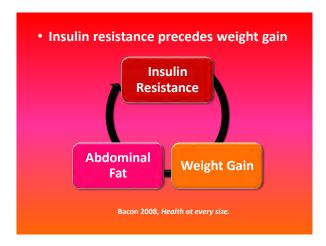




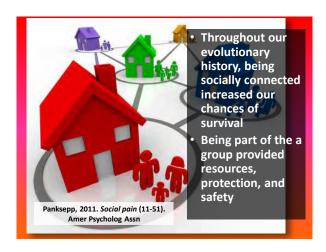






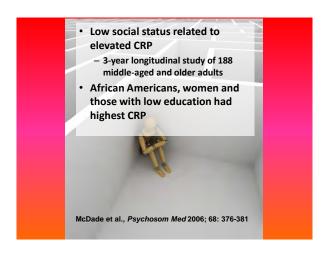








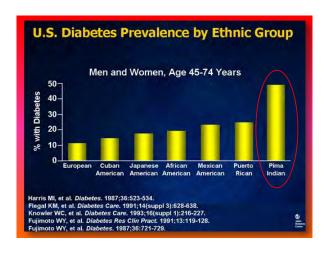




Low parental education predicted metabolic and CVD risk factors in high school students
 Higher insulin levels
 Higher glucose
 Greater insulin resistance
 Higher-LDL, lower HDL
 Higher waist circumference
 Higher BMI

Goodnan et al., Psychosom Med 2005; 67: 9-15.







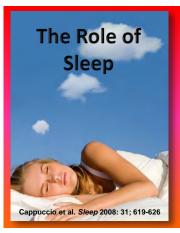








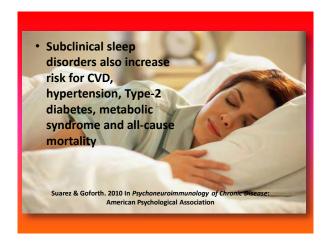


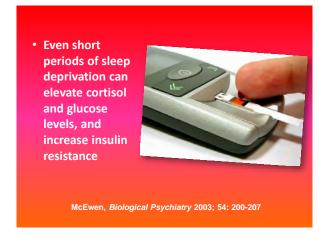


- Meta-analysis of sleep duration and obesity (36 studies, N=634,511)
- Children and adults
- Short sleep duration (< 5 hours) related to obesity worldwide



- Short sleep duration related to metabolic syndrome in middleaged adults
- Short sleep duration was related to abdominal obesity, elevated fasting glucose, and hypertriglyceridemia

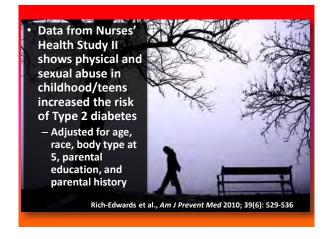


















- **Data from Black** Women's Health Study (N=33.298)
- Measured waist circumference and
- Early life sexual and physical abuse was related to overall and central obesity
 - Relationship existed even after controlling for lifestyle factors

Boynton-Jarrett et al. Pediatrics 2012; 130: 245-253



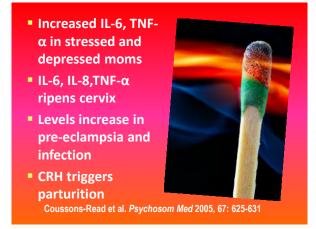
Health 2011; 14(4): 295-306

- National survey of 1,581 pregnant women (709
- More lifetime PTSD and trauma exposure for Black women
- **Current prevalence of** PTSD was 4 times higher for Black women
 - Rates did not differ by SES
 - **Explained by greater** trauma exposure
 - Child abuse was the most common cause of PTSD for both groups





- **Prospective 3 cohort** sample first-time pregnant women
 - 255 PTSD+
 - 307 trauma-exposed, resilient
 - 277 non-trauma exposed
- **PTSD+** babies birthweight 283 g less than resilient women; 221 g less than nonexposed women
- PTSD also associated with shorter gestation





Mother-Infant Sleep and Infant Mortality







"Co-sleeping deaths are the most preventable form of infant death in this community," Barrett said.

"Is it shocking? Is it provocative?" asked Baker, the health commissioner.
"Yes. But what is even more shocking and provocative is that 30 developed and underdeveloped countries have better (infant death) rates than Milwaukee."

- Milwaukee's infant mortality rate in 2009 was 10.4 deaths for every 1,000 live births, according to the health department
- For white babies, it was 5.4. The rate for black babies was nearly three times as high: 14.1



- Do campaigns such as these keep babies safe?
 - Unfortunately, the answer is "no"



One-month-old infant dies in cosleeping incident

Medical Examiner's report says baby was sleeping on floor with three other children

WITI-TV, MILWAUKEE—

The Milwaukee Medical Examiner reports a one month, 28 day old infant died in a co-sleeping incident on New Year's Eve, while sleeping on two crib mattresses on the floor of a living room with three other children......

http://www.fox6now.com/news/witi-20120103-co-sleeping-onemonth-old,0,4277315.story

This latest co-sleeping death comes just days after 10day-old Egypt Holloway died while sleeping in a queen size bed with three other children.

The City of Milwaukee just launched a provocative ad campaign to raise awareness about the dangers of cosleeping. They advise parents to put their babies, especially those under three months of age, in a crib or bassinet alone, next to the parents' bed.

http://www.fox6now.com/news/witi-20120103-co-sleeping-onemonth-old,0,4277315.story The topic of safe infant sleep is considerably more complex than it is frequently portrayed



- Not all "bedsharing" is created equally
- What we are referring to:
 - Breastfeeding mother
 - Non-smoking mother
 - No substances that can impair maternal responsiveness
 - Including prescription medications
 - Baby on back on non-fluffy, safe surface
 - Mom between baby and anyone else in bed

PEDIATRICS

OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

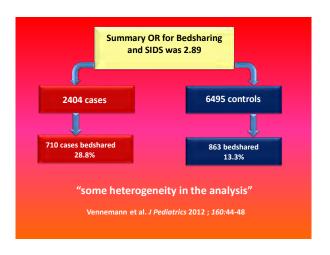
- SIDS and Other Sleep-Related Infant Deaths: Expansion of Recommendations for a Safe Infant Sleeping Environment
 - POLICY STATEMENT
 - TECHNICAL REPORT
- Published November, 2011



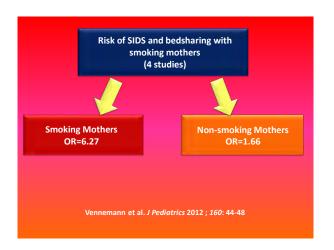
Avoid alcohol and illicit drug use during pregnancy and after birth
 Breastfeeding is recommended
 Consider offering a pacifier at nap time and bedtime
 Avoid overheating
 Do not use home cardiorespiratory monitors as a strategy for reducing the risk of SIDS

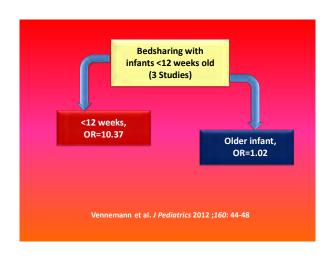


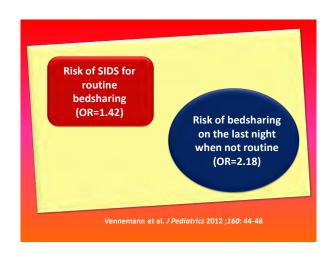












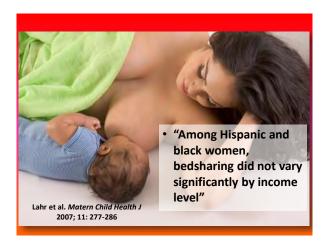


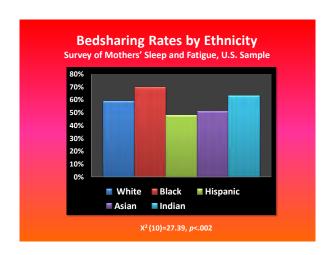
- Bedsharing varied by ethnicity ("Always" bedshare)
 - 41.1% Hispanic
 - 43.1% Black
 - 23.8% Asian/PacificIslander
 - 26% AmericanIndian/Alaska Native
 - 15.7% White

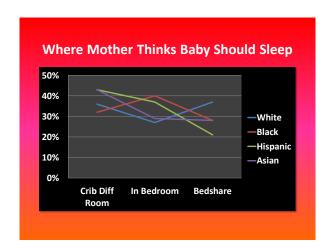
Lahr et al. Matern Child Health J 2007; 11: 277-286

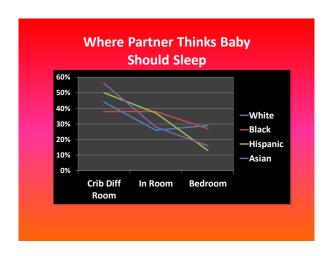


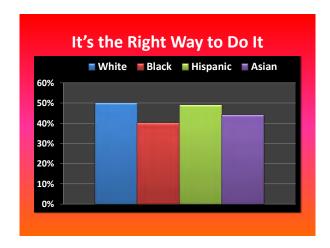


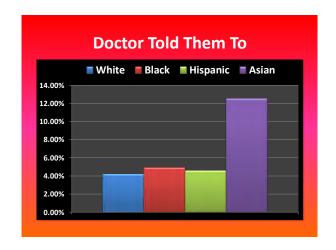


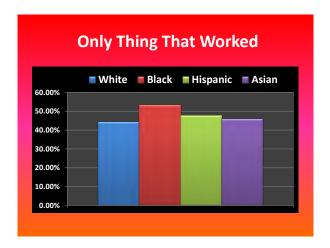




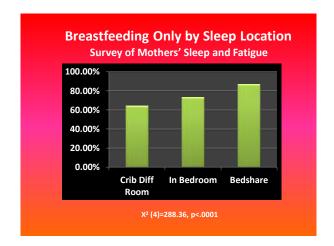














- Study from Germany of 333 infant deaths, 998 age-matched controls
- Breastfeeding reduced the risk of sudden infant death syndrome by 50% at all ages throughout infancy



"Advice on whether bed sharing should be discouraged needs to take into account the important relationship with breastfeeding."



1. Acknowledge discrimination and take steps to counter its physiological effects



2. Lower inflammation in pregnancy

 Be proactive with depression and PTSD



Randomized trial with DHA-enriched vs. regular eggs 291 low-income moms in last trimester of pregnancy **Increased gestation** length by 6 days (+ 2.3) Smuts et al., Obstet Gyn 2003; 101: 469-479

3. Encourage and support breastfeeding within communities at risk

- A More Excellent Way
- ROSE
- Free to **Breastfeed**



- In a study of 32 U.S. baby-friendly hospitals had breastfeeding initiation rates of 83.8% compared to the national average of 69.5%
- Exclusive breastfeeding rates in the hospital were 78.4% compared with a national rate of 46.3%
- Rates were similar even for hospitals with high proportions of black or low-income patients





4. Support safe sleep practices for all families

- Office of Child Services policy
 - Use the least intrusive possible measure while still mitigating the threat
- Changes that are the least disruptive preserve the integrity of a family and are more likely to be followed

Angie, Mothering 2009; Jan-Feb: 48-49



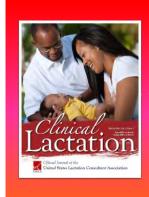
- Parents can be taught to create a safe sleeping environment
 - Remove bulky covers, not allowing other children in the bed
- Asking mom and dad to stop bedsharing, buy a crib, and change their entire nighttime routine is highly intrusive; A request more likely to be ignored or only appeared to be followed

Angie, Mothering 2009; Jan-Feb: 48-49



 We can make a difference in infant mortality





 USLCA's journal www.ClinicalLactation.org

