Off to a Good Start: State Efforts to Promote Healthy Babies

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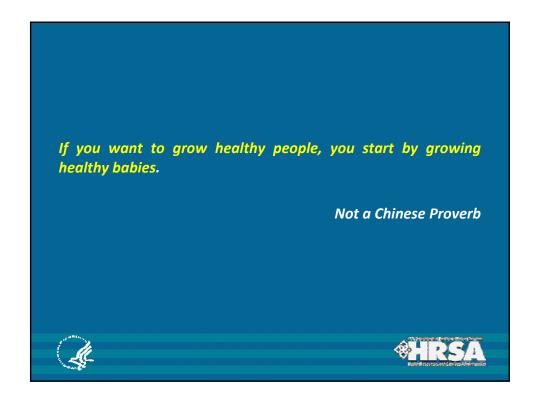


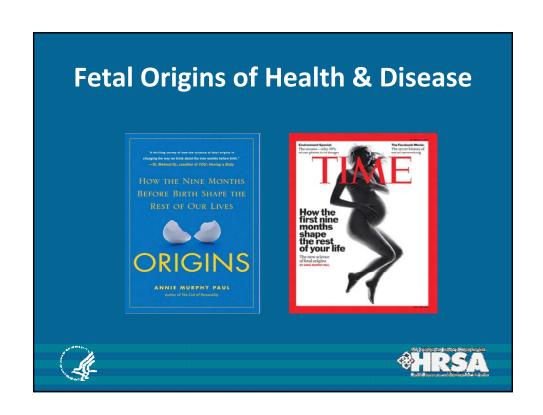
If you want 1 year of prosperity, grow grain. If you want 10 years of prosperity, grow trees. If you want 100 years of prosperity, grow people.

Chinese Proverb









Promoting healthy babies is not only good public policy.

It's good fiscal policy.





Why You Should Care About Healthy Babies

- Medicaid accounts for 23.6% of all state expenditures in 2011
- Medicaid pays for > 40% of all births
- Combined hospital bill to Medicaid for perinatal healthcare was \$39 billion in 2006
 - \$21 billion for pregnancy and delivery
 - \$18 billion for newborn care

Andrews RM. The national hospital bill: The most expensive conditions by payer, 2006. Healthcare Cost and Utilization Project. Statistical brief #59. September 2008





Why You Should Care About Healthy Babies

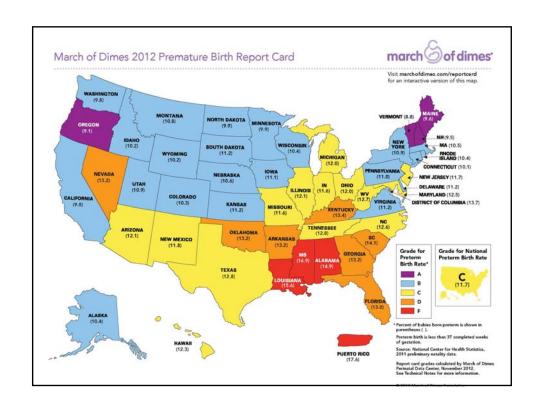
- 1 in 8 (11.7%) babies are born preterm in the U.S.
- Medical costs for first year of life
 - Term infant: \$4,551
 - Preterm infant: \$49,033

http://www.marchofdimesusa.net/prematurity/21198 15349.asp

- Preterm births cost the U.S. \$26.2 billion a year
- http://www.iom.edu/Reports/2006/Preterm-Birth-Causes-Consequences-and-Prevention.aspx









- Reduce early elective delivery
- Reduce smoking in pregnancy
- Increase safe sleep
- Improve perinatal regionalization
- Increase access to interconception care





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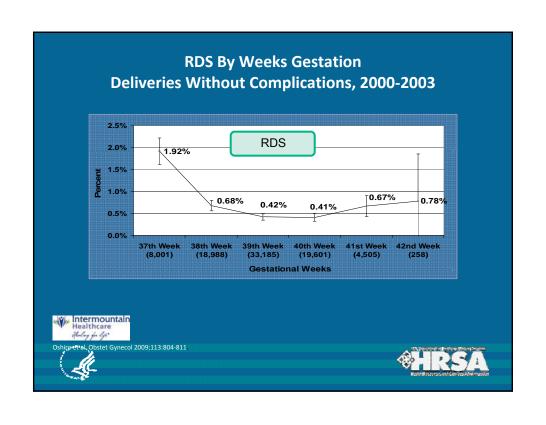
Complications of Elective Deliveries Between 37 and 39 Weeks

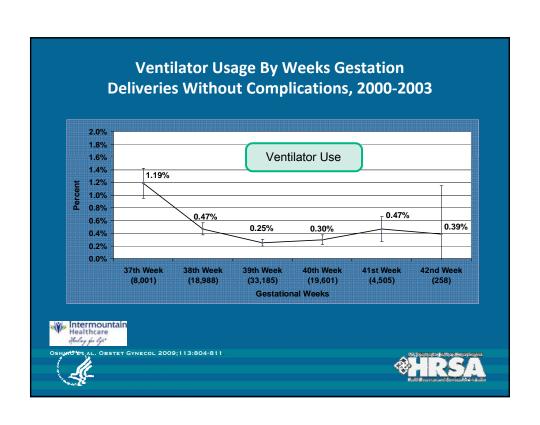
- Increased NICU admissions
- Increased transient tachypnea of the newborn (TTN)
- Increased respiratory distress syndrome (RDS)
- Increased ventilator support
- Increased suspected or proven sepsis
- Increased newborn feeding problems and other transition issues

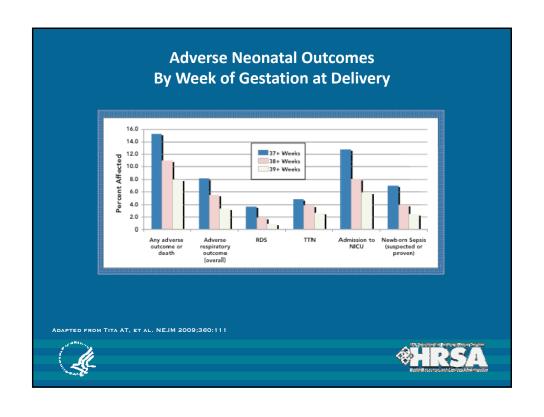
Clark 2009, Madar 1999, Morrison 1995, Sutton 2001, Hook 1997

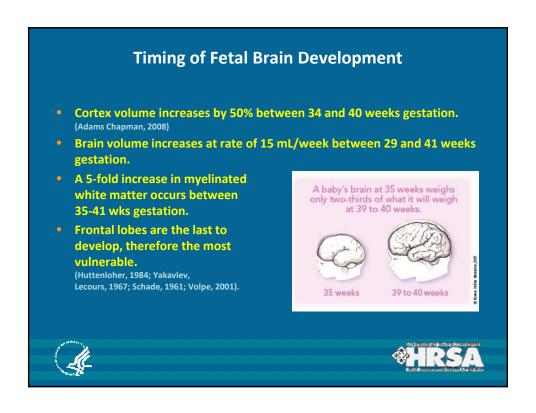


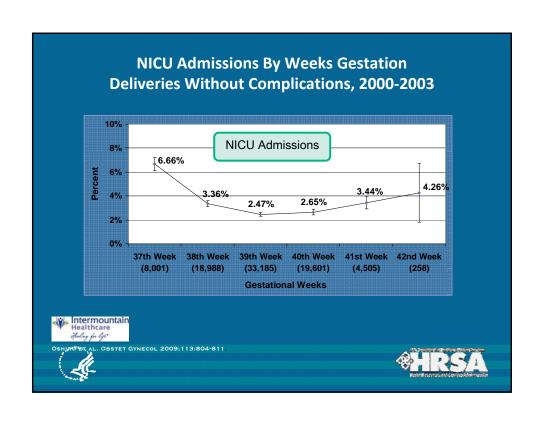


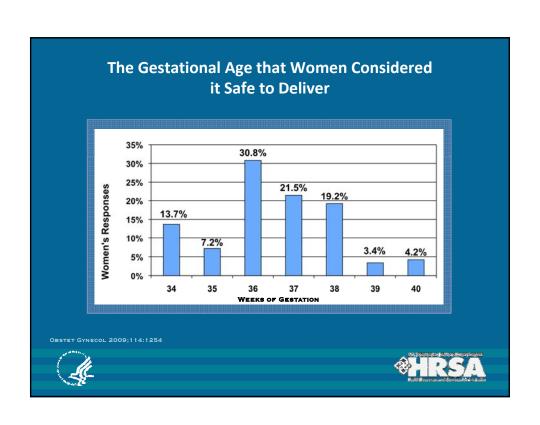


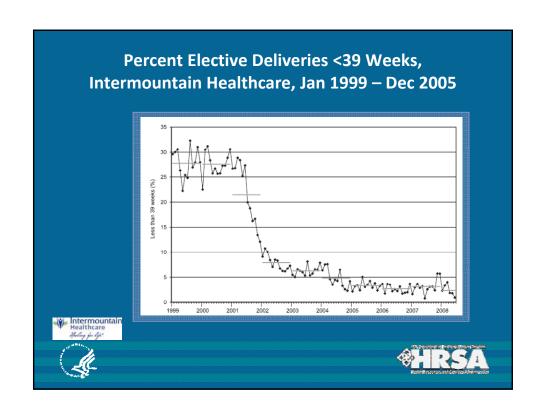


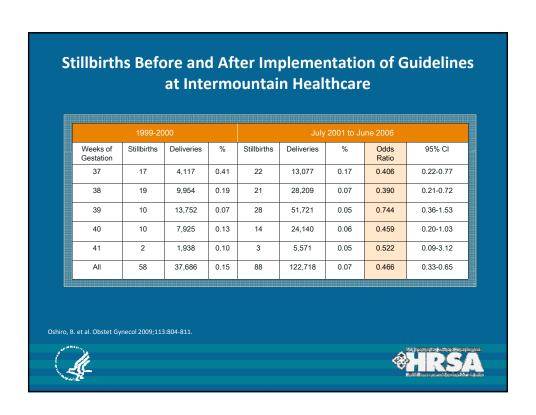












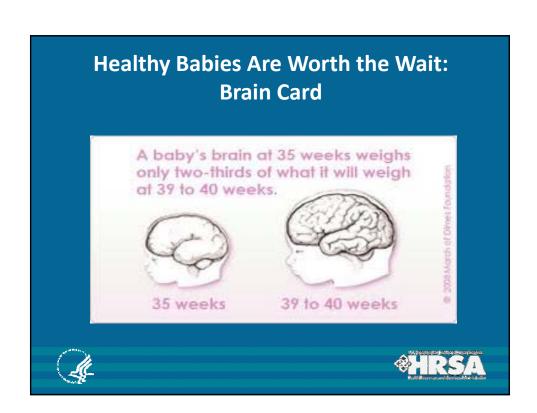


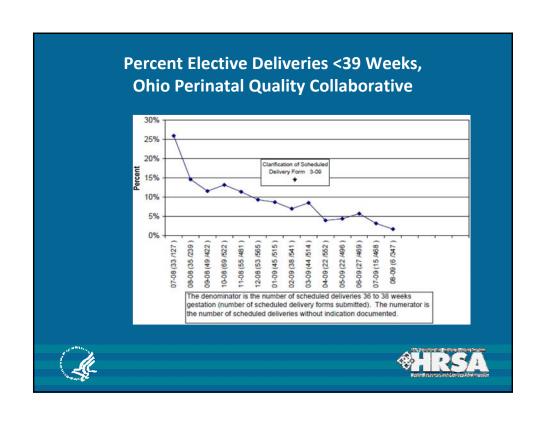
- Kentucky
 Healthy Babies are Worth the Wait
- Louisiana

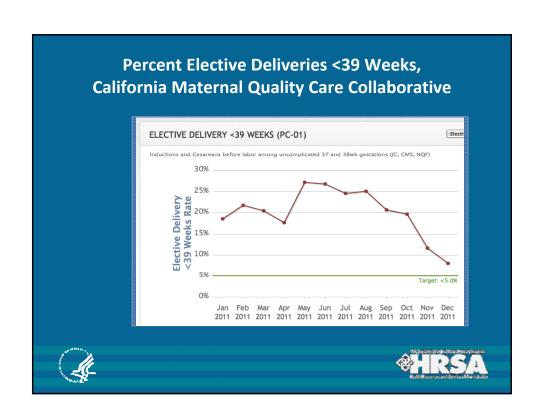
 Louisiana Birth Outcomes Project
- California
 California Maternal Care Quality Collaborative
- Ohio
 Ohio Perinatal Quality Collaborative
- Oklahoma • Every Week Counts
- Indiana
 Every Week Counts
- Texas • House Bill 1983

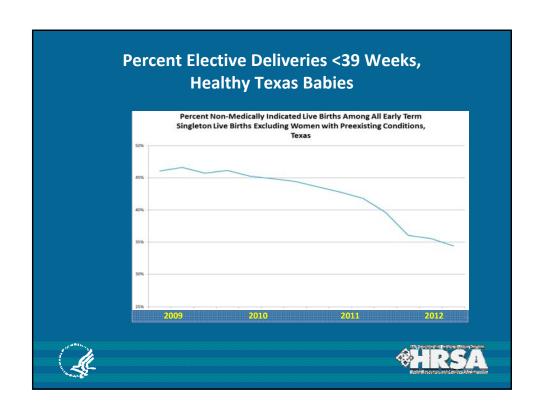












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Smoking Cessation in Pregnancy

- Smoking cessation interventions work
 - Review of 72 clinical trials involving 25,000 pregnant women
 - Reduced smoking by 6% overall (by 24% in most effective interventions)
 - Reduced low birth weight and preterm births by about 15%
 - http://summaries.cochrane.org/CD001055/interventions-to-help-women-to-stop-smoking-in-pregnancy
- State Medicaid programs must now cover tobacco cessation services for pregnant women without cost-sharing
 - States may claim 50% administrative match for quit lines





Smoking Cessation

- Colorado
 - Colorado QuitLine, a free program for pregnant women
- Oklahoma
 - Practice facilitation model in obstetric care settings; SoonerQuit statewide media campaign
- North Carolina
 - You Quit Two Quit Project
- Massachusetts
 - QuitWorks referral program
- Michigan
 - Free quitline counseling for uninsured or Medicaid enrollees

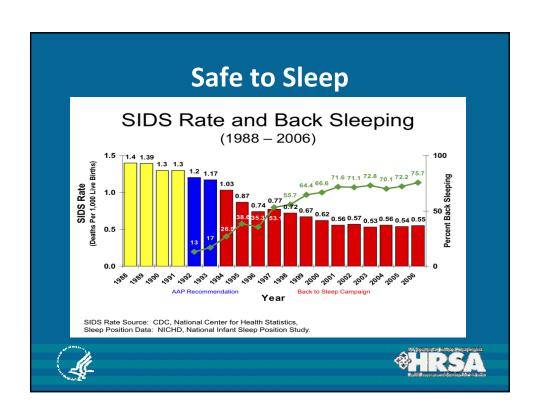


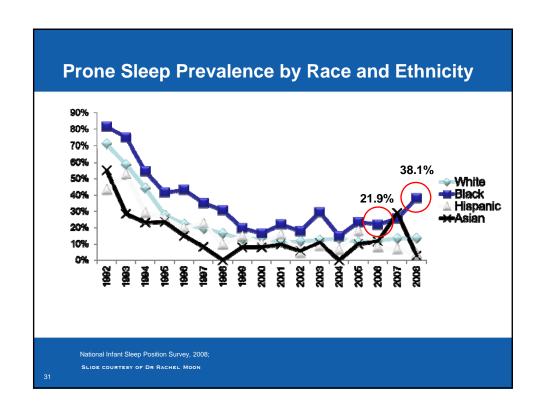


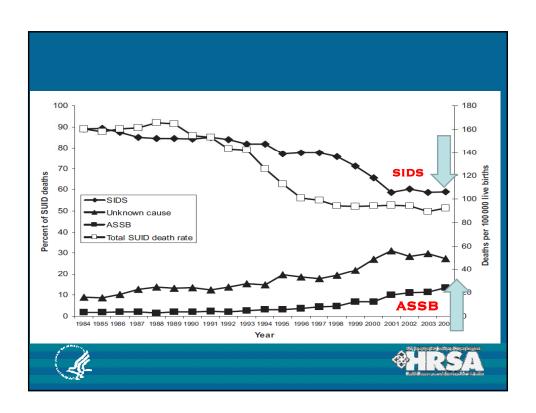
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Side or prone position (OR 2.3-13.1) Bedsharing (OR 2.88): risk increases with Smoker parent (OR 2.3-17.7) Infant <3 months (OR 4.7-10.4), regardless of parental smoking status Soft surfaces (couches, armchairs (OR 5.1-66.9) Soft bedding (OR 2.8-4.1) Multiple bedsharers (OR 5.4) Parent consumed alcohol, drugs, or is overtired (OR 1.66) Soft bedding (OR 5.0; + prone = 21.0) Smoke exposure (prenatal + postnatal) Prenatal drug and alcohol use (OR varies, >3.0)

Protective Factors for Sleep-Related Deaths
 □ Roomsharing without bedsharing (OR 0.5) □ Breastfeeding: ever (OR 0.4); any exclusive (OR 0.27) □ Pacifier use (OR 0.39) □ Immunizations (OR 0.5)
OR: odds ratio SLIDE COURTESY OF DR RACHEL MOON 34

Level A AAP Recommendations for Reducing the Risk of SIDS/SUID

- ☐ Based on good and consistent scientific evidence
 - Back to sleep for every sleep
 - Room-sharing without bed-sharing
 - Keep soft objects and loose bedding out of the crib
 - Use a firm sleep surface
 - > Pregnant women should receive regular prenatal care
 - Avoid smoke exposure during pregnancy and after birth
 - > Avoid alcohol and illicit drug use during pregnancy and after birth
 - Breastfeeding is recommended

Pediatrics. 2011; 128(5)

SLIDE COURTESY OF DR RACHEL MOON

Safe Sleep

- Georgia
 - Crib Matching Program through SIDS Injury Prevention Program
- Maryland
 - B'more Babies Safe Sleep Campaign





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Safe to Sleep

Perinatal Regionalization for Very Low-Birth-Weight and Very Preterm Infants

A Meta-analysis

Sarah Marie Lasswell, MPH Wanda Denise Barfield, MD, MPH Roger William Rochat, MD Lillian Blackmon, MD

Context For more than 30 years, guidelines for perinatal regionalization have recommended that very low-birth-weight (VLBW) infants be born at highly specialized hospitals, most commonly designated as level III hospitals. Despite these recommendations, some regions continue to have large percentages of VLBW infants born in lower-level hospitals.

Conclusion For VLBW and VPT infants, birth outside of a level III hospital is significantly associated with increased likelihood of neonatal or predischarge death. IAMA 2010:304(9):992-1000





VLBW infants (<1500g) Admitted Directly to NICU

	No. of infants		Total*		
State	with VLBW	No.	%	95% CI [†]	
Overall [§]	25,231	19,512	77.3	(76.8–77.9)	
California	5,965	3,801	63.7	(62.5-64.9)	
Delaware	193	172	89.0	(84.5 - 93.4)	
Florida	3,306	2,718	82.2	(80.9-83.5)	
Idaho	206	176	85.4	(80.5 - 90.2)	
Kansas	411	331	80.7	(76.9 - 84.5)	
Kentucky	647	573	88.6	(86.1-91.0)	
North Dakota	82	77	93.4	(87.8 - 99.0)	
Nebraska	276	232	84.3	(79.9 - 88.6)	
New Hampshire	121	102	84.3	(77.8 - 90.8)	
New York**	1,588	1,401	88.2	(86.6 - 89.8)	
Ohio	1,991	1,534	77.0	(75.2 - 78.9)	
Pennsylvania	1,998	1,667	83.4	(81.8-85.0)	
South Carolina	944	815	86.4	(84.2 - 88.6)	
South Dakota	111	104	92.8	(87.2 - 98.3)	
Tennessee	1,316	1,132	86.0	(84.1 - 87.9)	
Texas	5,266	4,107	78.1	(76.9 - 79.2)	
Vermont	57	45	79.0	(68.4 - 89.5)	
Washington	726	518	71.5	(68.2-74.8)	



MMWR Nov 12, 2010 59:144-7



Improve Perinatal Regionalization

- New York
 - Regional Perinatal Center (RPC) leads and coordinates affiliated hospitals
- Tennessee
 - Perinatal Advisory Committee; five statewide centers provide 24-hour consultation and referral





Barriers to Perinatal Regionalization

- Lack of standards and definitions for levels of NICLL care
 - American Academy of Pediatrics issued new policy statement on levels of neonatal care

http://pediatrics.aappublications.org/content/130/3/587.full.pdf+htm

• Reimbursement policies





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Access to Interconception Care

- Georgia
 - Expanded Section 1115 Medicaid waiver
- Oregon
 - Innovative Reproductive Health Program combines Title X and Medicaid family planning waiver programs
- South Carolina
 - Campaign to Prevent Teen Pregnancy website
- California
 - The Interconception Care Project



