PRENATAL & INFANCY HOME VISITATION BY NURSES

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Goals

- Pregnancy Outcomes
- Child Health and Development
- Parental Life Course

Major Problems Targeted for Prevention

- Preterm Delivery and Low Birthweight
- Neurodevelopmental Impairment
- Child Abuse and Neglect
- Childhood Injuries
- Rapid Successive Unintended Pregnancies
- Reduced Participation in Work Force
- School Failure
- Conduct Disorder
- Crime and Delinquency

Families Served

- Low income pregnant women
 - often teens
 - often unmarried
- No previous live birth
- Serve families through first child's second birthday

Program

- Visit-by-Visit Protocols
 - Focus on 5 Domains
 - Maternal Health
 - Parental Role
 - Parental Life Course
 - Family and Friends
 - Linkage with Services
- Structured Visit Process Promotes Attention to Individual Needs and Prevention Objectives
- Developmental Orientation Anticipatory Guidance
- Management Information System

Frequency of Visitation

- Once a Week for the First 4 Weeks in Pregnancy
- Every Other Week Until Delivery
- Once a Week for First 6 Weeks After Delivery
- Every Other Week until 21 Months
- Once a Month From 21-24 Months
- Average Completed Visits
 - 8-9 Prenatal
 - 23-25 Postnatal

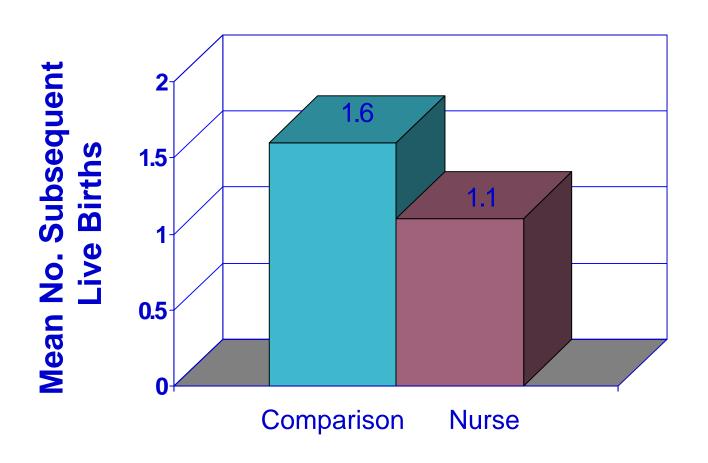
Nurse Activities

- Form a relationship with parents by reinforcing their strengths
- Work with parents for 2 and a half years
- Help women improve their health behaviors
- Promote effective and responsible care of children
- Help parents plan future pregnancies, complete their educations, and find work

Elmira Design

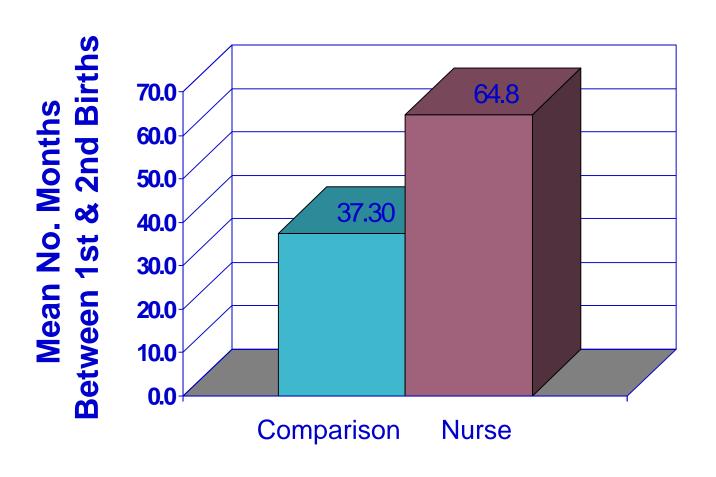
- Comprehensive Program
- Semi-Rural Setting
- Sample (N = 400)
 - 89% Caucasian
 - No Previous Live Births
 - 85% Poor, Unmarried or Teenaged
- Randomized Design
- Efficacy Trial

Subsequent Births - 0 - 15 years Low - Income Unmarried Mothers



Olds, D.L., Eckenrode, J., Henderson, Jr., C.R., et al. *JAMA* 1997; 278: 637-643.

Interpregnancy Interval - 0 - 15 Years Low - Income Unmarried Mothers

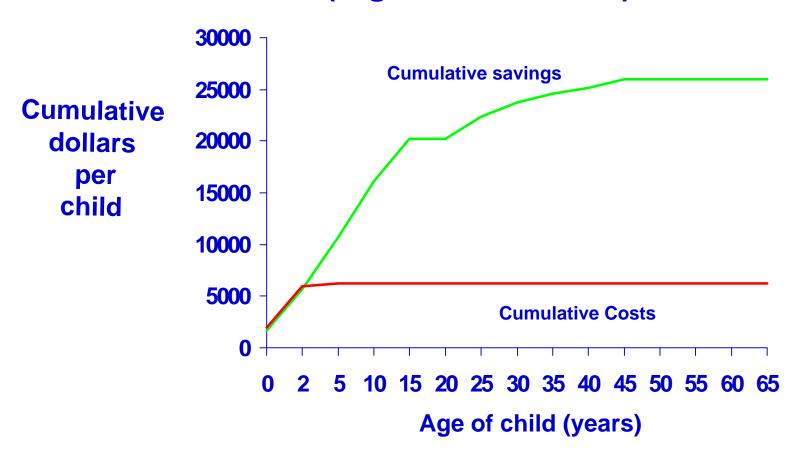


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Major Benefits - Low Income, Unmarried Women 15 year Follow-up - - Elmira, New York

- 79% fewer verified reports of child abuse or neglect
- 31% fewer subsequent live births
- over 2 years' greater interval between the birth of their first and second child
- 30 fewer months receiving welfare
- 44% fewer behavioral problems due to alcohol and drug abuse
- 69% fewer arrests among mothers

Cumulative Cost Savings: Elmira Home Visits (High-Risk Families)



Karoly LA, Everingham SS, Hoube J, et al. *Benefits and Costs of Early-Childhood Interventions: A Documented Briefing.* Santa Monica, Calif:RAND;1997

Memphis Design

- Urban Setting
- Sample (N = 1139 for prenatal and N = 743 for postnatal)
 - 92% African American
 - 98% Unmarried
 - 85% < Federal Poverty Index
 - 64% < 19 years at intake
- Randomized Trial
- Effectiveness Study

Summary of Memphis Results

- Nurse-visited women provide better care for their children
- Nurse-visited children were hospitalized for fewer days with injuries indicative of child abuse and neglect
- Nurse-visited mothers had fewer subsequent pregnancies

