Program Description

• This presentation will discuss social determinants of health within the context of the Nurse-Family Partnership model. Nurse-Family Partnership is an evidenced based model in which nurses visit first time mothers and their children in the home. Experiences of NFP with assessing and planning interventions to address health determinants will be discussed.
Program Objectives

• Participants will identify core elements of the Nurse-Family Partnership model
• Participants will recognize 6 areas of social determinants of health
• Participants will relate NFP nursing practice to strategies that positively impact social determinants of health.
Needs

• Health Disparities
• Maternal - Child Health Outcomes
• HEDIS Measures
• State Specific Targets
• Community Needs Assessment Targets
• Access to Care
• Social Determinants
• Population Health
Community Health Nursing

- For Low income, first time moms
- With Registered Nurses
- Starts in the First or Second Trimester
- Ends at child’s age of 2
- Visits in the home
NFP Goals

1. Improve Pregnancy Outcomes

2. Improve Child Health and Development

3. Improve Economic Self-Sufficiency of the Family
NFP Coverage

34,000+ Families in Care Today

280,000+ FAMILIES SERVED
Since replication began in 1996

42 STATES
the U.S. Virgin Islands and five Tribal communities

1,888 Nurses

NPS Score: 87
1. Healthy Pregnancy and Improving Birth Outcomes
   • 79% ↓ in pre-term births
   • 35% fewer hypertensive disorders of pregnancy
   • Fewer cases of pre-eclampsia or complications of pregnancy
   • Fewer subsequent births on Medicaid
   • Increased birth spacing/fewer closely-spaced births

2. Improve Child Health and Development
   • 48% ↓ in child abuse & neglect
   • 56% ↓ in ER visits for accidents and poisonings
   • 39% fewer injuries among children
   • 50% ↓ in language delays

3. Economic Self Sufficiency:
   • 83% ↑ in labor force participation by child’s 4th birthday
   • 67% ↓ in behavioral/ intellectual problems at age 6 yrs
   • 59% fewer arrests among 15 yr olds (who were infants in the program)

For a full listing and details on the outcomes visit:
https://www.nursefamilypartnership.org/about/proven-results/published-research/
Principles of Replication:

1. **Develop** it well
2. **Test** thoroughly *before* investment
3. **Replicate** carefully
4. **Improve** continuously

Link to additional information on replication including national and international implementation research:

https://www.nursefamilypartnership.org/about/proven-results/
Return on Investment

Every dollar invested in NFP can yield up to $5.70 in return.
NFP Funding Sources

Medicaid
MIECHV- Federal Grant
State Grants
State and Local General Funds
Local Grants
Private Philanthropy
Tobacco Settlement
Pay for Success/Social Impact
Bond
Managed Care
TANF/Public Welfare
Child Abuse Prevention
Juvenile Justice
Substance Abuse and Mental Health
School Readiness
Hospital Systems
Determinants of Health

Figure 2
Impact of Different Factors on Risk of Premature Death

Health and Well Being

- Genetics 30%
- Individual Behavior 40%
- Social and Environmental Factors 20%
- Health Care 10%

## Social Determinants of Health

### Figure 1

#### Social Determinants of Health

<table>
<thead>
<tr>
<th>Economic Stability</th>
<th>Neighborhood and Physical Environment</th>
<th>Education</th>
<th>Food</th>
<th>Community and Social Context</th>
<th>Health Care System</th>
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</thead>
<tbody>
<tr>
<td>Employment</td>
<td>Housing, Transportation, Safety, Parks, Playgrounds, Walkability, Zip code / geography</td>
<td>Literacy, Language, Early childhood education, Vocational training, Higher education</td>
<td>Hunger, Access to healthy options</td>
<td>Social integration, Support systems, Community engagement, Discrimination, Stress</td>
<td>Health coverage, Provider availability, Provider linguistic and cultural competency, Quality of care</td>
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<td>Income</td>
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<td>Expenses</td>
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<td>Medical bills</td>
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<td>Support</td>
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### Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations
Model Elements

Who We Serve
Nursing Workforce
Nursing Practice and Skills
Supervision and Administration
Community Engagement
Who NFP Serves

1\textsuperscript{st} time mothers

Voluntary

Enrolled Before the 28th Week

Low-Income - Highest Risk

"When I was pregnant, I felt I didn't have anybody to lean on. I was so lucky to have a nurse like her."
Nursing Workforce

Registered Nurses

Bachelor Degree in Nursing

Specializing in Community Health Nursing Practice

Receive Extensive Education in the Model
Supervision and Administration

- Supervisor Specific Education
- Nurse Consultation
- 1:8 Supervisor to Nurse
- Weekly reflective supervision
- Case conferences
- Team meetings
- Joint visits
- Using the data

On Friday mornings, we meet to share our highs and lows for the week. Sometimes the stories are frustrating or heavy, but mostly it’s rewarding, and it helps us emotionally refuel. We’ve found a job that feels like us.”

Pat Yoder, NFP Nurse Supervisor
Administration and Community

Proximity to other services

Research and Evidence Focus

Driven by a Commitment to Vulnerable Families

Mission Alignment

Data Driven

Community Oriented

Strong Nursing Practice Support

Commitment to Model Fidelity

Strong Community Advisory Board

Results and Sustainability
Nursing Practice

- Case Load 25+
- 60-90 Minute Visits
- Flexible Frequency
- Flexible Content
- In-home or Telehealth
- 1 Nurse: 1 Mom
Skills - Visits in NFP

- Maternal Health
- Environmental Health
- Life Course Development
- Child Health and Development
- Relationship Health
- Health & Human Services
NFP STAR (Strengths and Risks) Framework

**Economic Capacity – Employment and Education**

- Economic Adversity
- Maternal Education and Employment
- Criminal Justice/Legal Issues
- English Literacy Limitations

**Neighborhood and Physical Environment**

- Homelessness and Residential Instability
- Environmental Health
- Home Safety
NFP STAR (Strengths and Risks) Framework

Community and Social Context

- Social Isolation
- Intimate Partner Violence
- Unsafe Family/Friends
- Use of Other Community Services

Health Care System

- Pregnancy Planning
- Health Services Utilization
- Coordination of Care with Other Providers
Pregnancy Visits

- Danger Signs, Fetal Movement, Preterm Labor signs
- Sexual Health, Care and Follow Up
- Management of New and Chronic Conditions
  - Asthma, Diabetes, Hypertension, Mental Health
- Oral health, Dental needs
- Diet, Nutrition, Appropriate Weight Gain
- Smoking and Substance Use/Abuse
- Depression (PHQ9) and Anxiety (GAD 7) Screenings
- Intimate Partner Violence screening
- Relationship Health
- Preparation for Labor and Delivery, C section, Inductions
- Caring for Infant
- Postpartum Care and Needs
- Breastfeeding
- Keeping appointments, Getting Coverage

Strengths and Risks Framework
Infancy Visits

- Postpartum health and keeping pp visit
- Breastfeeding
- Follow up on health conditions
- Depression and Anxiety Screens,
- Substance Use, Smoking
- Nutrition, Sleep, Exercise, family planning
- Newborn and Infant Assessments
- Developmental Screens
- Safe sleep and Safe Environment
- Infant Care
- Ill child care, use of ER and services
- Safety, Injury Prevention
- Infant Feeding and Nutrition
- Well child Visits, Immunization Schedules
- Safe Childcare
- Follow up on chronic or new health conditions
- Dyadic Assessment
- Life Course

- **Strengths and Risks Framework**
Toddler Visits

- Personal Health goals
- Well woman care, family planning,
- Substance Use
- Intimate Partner Violence Screening
- Increased focus on Work/School and economic self sufficiency
- Transition after NFP
- Safety
- Child Nutrition
- Child Routines
- Well Child Checks,
- Immunizations
- Developmental Screenings
- Childcare
- Dyadic Assessment

Strengths and Risks Framework
Partnering with HealthCare – Providers and Payers

- Serving More Patients/Members
- Coordinating Care
- Communication Workflows
- Continuous Quality Improvement/PDSA
- Research
- Payment Mechanisms
- Financial support
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