

**Academic-Practice Partnerships
Partnership Expectation and Outcome Metrics Worksheet**

Partnership Goals	Activities	Outcomes
Nurse Family Partnership of Central Alabama: An Academic Practice Partnership University of Alabama at Birmingham and Jefferson County Department of Health		
<p>Improve pregnancy and birth outcomes among first-time mothers in Jefferson County.</p>	<p>Establish the NFPCA site in accordance with the national, evidence-based home visiting model utilizing bachelor's prepared registered nurses (RNs).</p> <p>Nurse Home Visitors (NHVs) conduct home visits with first-time, low-income expectant mothers every two weeks, or according to client need, from pregnancy until the child's second birthday.</p> <p>NHVs complete physical, social, environmental, home, family history, intimate partner violence, and mental health assessments at home visits.</p> <p>NHVs provide mothers with education and resources related to pregnancy, labor and delivery, and other resources as needed by the individualized family need.</p> <p>Certified lactation counselor (CLC) provides a breastfeeding consultation with mothers through a 2-hour individual breastfeeding workshop.</p>	<ul style="list-style-type: none"> • NFPCA established August 2017 • Nurses hired <ul style="list-style-type: none"> ○ 2 in September 2017 ○ 2 more in January 2018 ○ 2 more in October 2018 • 545 first-time mothers served to date • 382 total births to date (373 singleton births) • Decreased rate of preterm birth <ul style="list-style-type: none"> ○ 8.9% among Jefferson County NFPCA mothers compared to state (12.1%) and Jefferson County (12.5%) average • NFPCA low birthweight still above Jefferson County average at 14%. • 58% smoking cessation or reduction • Improved rates of breastfeeding initiation <ul style="list-style-type: none"> ○ 85% for NFPCA mothers compared to state (69%) and Jefferson County (82%) average

<p>Improve child health and development among babies of first-time mothers in Jefferson County.</p>	<p>NHVs provide mothers with education related to safe sleep, infant bonding, infant childcare, car seat safety, and other resources as needed by the individualized family need.</p> <p>NHVs connect families to needed resources for food, shelter, transportation, education opportunities/job training, employment opportunities, family planning, health care, mental health services,</p>	<ul style="list-style-type: none"> • 100% of mothers receive safe sleep education and other educational resources provided by Alabama Department of Public Health. • Providing safe sleep environments (e.g., cribs for families who do not have access) <ul style="list-style-type: none"> ○ 86% of mothers, with infants born through April 2023, reported always placing infants on back to sleep • 235 completed Ages & Stages Questionnaire (ASQ) assessments for infants and toddlers • Children meeting appropriate developmental milestones screened with Ages and Stages Questionnaires at 4, 6, 10, 12, 18, 24 months <ul style="list-style-type: none"> ○ 100% in 2022 • Increased rate of child immunizations <ul style="list-style-type: none"> ○ 94% immunized at 6 months • Increased rate of mothers reading to their child <ul style="list-style-type: none"> ○ More than 90% of mothers, with infants born through April 2023, reported reading, telling stories, and/or singing songs to their child at least one day during a typical week. • Reductions in child abuse and neglect <ul style="list-style-type: none"> ○ Through April 2023, only 1% of all infants born were involved in reports of referrals to social services for child abuse and/or neglect.
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<p>Increase economic self-sufficiency and improve maternal life course development among first-time mothers in Jefferson County.</p>	<p>NHVs provide mothers with education and resources related to economic self-sufficiency, employment, budgeting, and other resources as needed by the individualized family need.</p> <p>NHVs provide mothers with education and resources related to parenting, family planning, and other resources as needed by the individualized family need.</p>	<ul style="list-style-type: none"> • Higher rates (79.1%) of NFPCA mothers’ annual employment or school enrollment status 12 months following birth compared to state (63.5%) and Jefferson County (68.8%) average • Decreased rate of closely spaced subsequent pregnancies <ul style="list-style-type: none"> ○ Through April 2023, only 3% of clients had a subsequent pregnancy within 6 months postpartum).

**Nurse Family Partnership of Central Alabama (NFPCA) and the Jefferson County Department of Health (JCDH) Academic Practice Partnership
Goals and Outcomes**

<p>Provide comprehensive, population-based nursing experiences for faculty and students.</p>	<p>Establish and sustain NFP faculty practice (e.g., Director) through the Office of Clinical and Global Partnerships to demonstrate leadership, scholarship, and research.</p> <p>Establish pre-licensure (e.g., BSN and Accelerated Masters in Nursing Pathways) nursing experiential learning opportunities to practice in-home assessment skills and formulate an individualized plan of care recognizing not only the physical health of a mother and child, but also the social determinants of health that influence the lives of clients.</p> <p>Utilize experienced expert nursing faculty to direct and build NFPCA and provide learning experiences in nursing, maternal child health, population health, and social determinants of health for interdisciplinary students.</p>	<ul style="list-style-type: none"> • Now retired Associate Dean of OCGP, Dr. Cindy Selleck, identified a PhD prepared nursing faculty (Dr. Candace Knight) with passion for improving maternal child health to initiate NFPCA. Subsequent Associate Deans have continued to support, expand, and sustain the program. • Over 1,000 BSN and AMNP nursing students, 4 medical students, 3 social work students, and 3 dental students provided clinical and project-based experiences over 5 years. • 4 UABSON faculty members have reimbursed faculty practices related to NFPCA partnership
<p>Increase access and rate of referrals to mental health services for first-time mothers in Jefferson County.</p>	<p>Administer screening tools for anxiety (GAD-7) and depression (PHQ-9) at intake, pregnancy (36 weeks) and then at 4 different intervals post-partum (1-8 weeks, 4-6 months, 12 months and 24 months) to assess symptoms of perinatal mood and anxiety disorders (PMAD).</p> <p>JCDH establish additional funding for a psychiatric mental health nurse practitioner (PMHNP) faculty member to conduct in-home and telehealth visits with clients for whom mental health is a concern.</p> <p>Develop a tele-psych consultative method to support the PMHNP for more serious mental illness utilizing UAB Medicine psychiatry residents.</p>	<ul style="list-style-type: none"> • 427 GAD-7 assessments completed for anxiety. <ul style="list-style-type: none"> ○ For those who screened positive, 93% were referred to treatment and 72% received mental health services. <ul style="list-style-type: none"> ▪ Of those who had a positive GAD-7 screening and at least one follow-up assessment after the positive screening, 87.5% improved on the most recent assessment. • 426 PHQ-9 assessments completed for depression. <ul style="list-style-type: none"> ○ For those who screened positive, 96% referred to

		<p>treatment and 68.5% received mental health services.</p> <ul style="list-style-type: none"> ▪ Of those who had a positive PHQ-9 screening and at least one follow-up assessment after the positive screening, 82% have improved on the most recent assessment. <ul style="list-style-type: none"> • One PMHNP providing individualized mental health diagnosis and treatment for NFPCA mothers • PMHNP implementing telehealth psychiatric clinic in conjunction with 3 UAB psychiatry residents, one afternoon each week. <ul style="list-style-type: none"> ○ 29 clinic huddles have been held since August 2022
<p>Expand partnership opportunities to establish community connections and garner support locally and statewide.</p>	<p>Establish referral partnerships with maternity clinics at JCDH health centers.</p> <p>Collaborate with other local agencies that support mothers and children to introduce the NFP model, seek client referrals, and establish relationships.</p> <p>Meet with obstetric health care providers, school counselors, law enforcement agencies, transportation providers, shelter/housing providers, childcare agencies, and other home visiting agencies.</p> <p>Establish a Community Advisory Board of representatives from various funding agencies, community agencies, and key community stakeholders that meet quarterly.</p>	<ul style="list-style-type: none"> • Graduation, to date, includes 136 first-time mothers in Jefferson County, from the NFPCA program. • Establishment of a NFPCA Community Advisory Board with over 30 individuals who represent various funding agencies, community agencies, and key stakeholders. • Ongoing and open discussion about establishing additional community connections and garnering support locally and statewide. • Staff of NFPCA and JCDH sit on various maternal child health initiatives including the Alabama Maternal Health Task Force (AL-MHTF), Jefferson

	<p>Join local and state maternal child health advocacy groups to share perspectives of the population of families they serve.</p> <p>Collect, analyze, and disseminate research data demonstrating the effectiveness of the NFP model of population-based care.</p>	<p>County Maternal Child Health Roundtable, Alabama Perinatal Quality Collaborative, State Perinatal Advisory Committee, Alabama Maternal Child Health Partnership.</p> <ul style="list-style-type: none"> • Dissemination of 4 scholarly publications and 13 professional presentations (6 national, 1 regional, 6 state).
<p>Identify philanthropic donors and strategies for NFPCA financial sustainability.</p>	<p>NFPCA and JCDH establish philanthropic donors which include the JCDH's Public Health Advised Fund, the Community Foundation of Greater Birmingham, the Daniel Foundation of Alabama, and Blue Cross Blue Shield of Alabama/The Caring Foundation.</p> <p>Develop a plan for the program's long term financial sustainability.</p> <p>Development of an MOU between UABSON and UAB Medicine to bill for Medicaid reimbursement to sustain the NFPCA program.</p>	<ul style="list-style-type: none"> • Donors pledged over \$1.76 million dollars over the first three years. • UAB's Office of Development and Advancement received and managed enough donations from multiple philanthropic partners to launch the pilot phase of the project. • Sustained funding of \$6.1 million. • Expansion to 13 NHV positions to cover an 8-county footprint of NFPCA services. • Successful Medicaid billing and reimbursement for NFPCA services began 7/1/2022 to sustain funding for the future.