THE NEWBORN SCREENING FAMILY EDUCATION PROGRAM

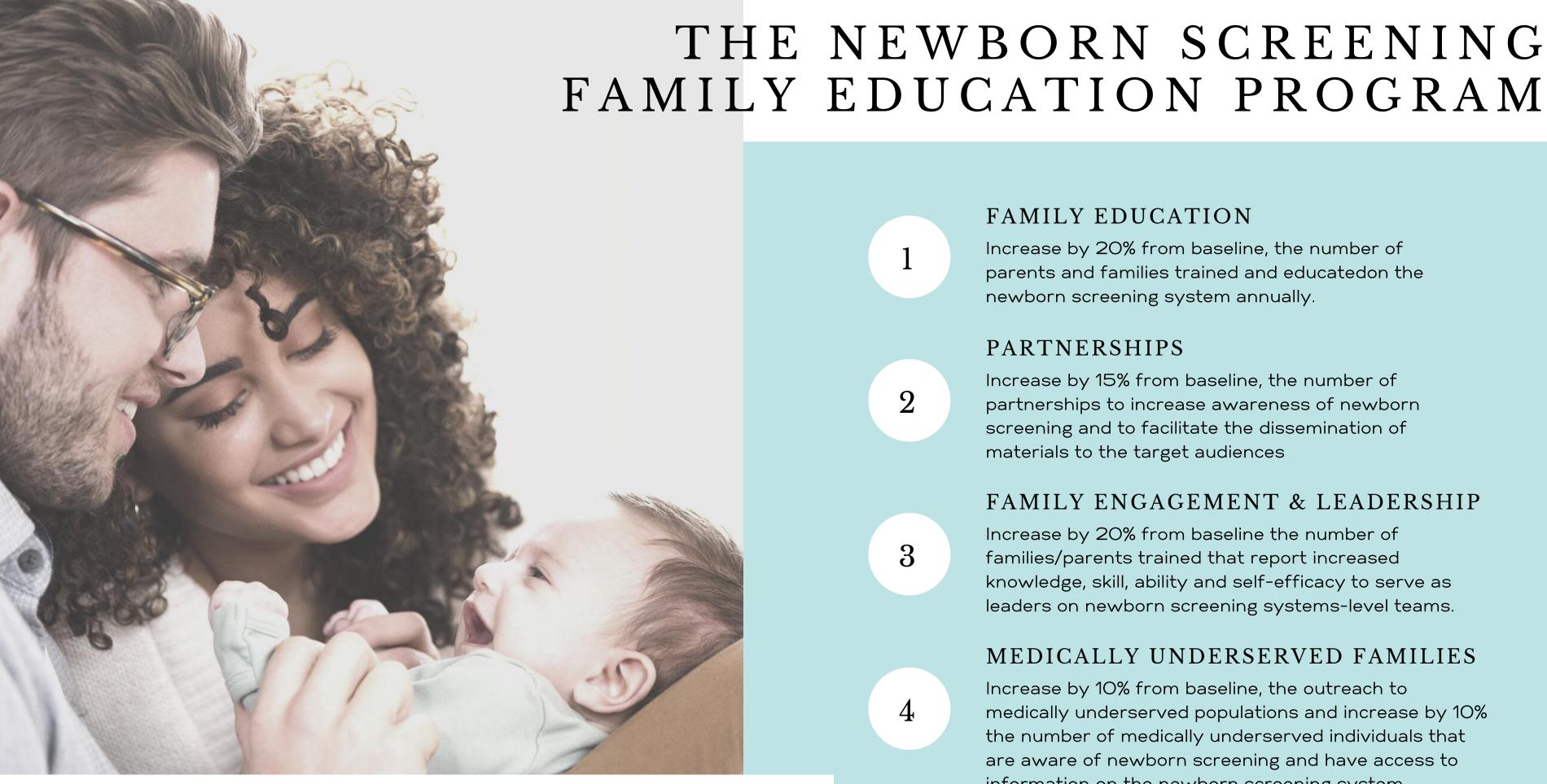
MAY 2022



THANK YOU

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The primary focus of the The Newborn Screening Family Education Program is to educate, engage and train families.

FAMILY EDUCATION

Increase by 20% from baseline, the number of parents and families trained and educatedon the newborn screening system annually.

PARTNERSHIPS

Increase by 15% from baseline, the number of partnerships to increase awareness of newborn screening and to facilitate the dissemination of materials to the target audiences

FAMILY ENGAGEMENT & LEADERSHIP

Increase by 20% from baseline the number of 3 families/parents trained that report increased knowledge, skill, ability and self-efficacy to serve as leaders on newborn screening systems-level teams.

MEDICALLY UNDERSERVED FAMILIES

Increase by 10% from baseline, the outreach to medically underserved populations and increase by 10% the number of medically underserved individuals that are aware of newborn screening and have access to information on the newborn screening system.

OUR APPROACH

- Connect
- Convene
- Create
- Collaborate
- Collect
- Communicate







OUR PROGRAM TODAY

234
families trained

25
org & individual
partners

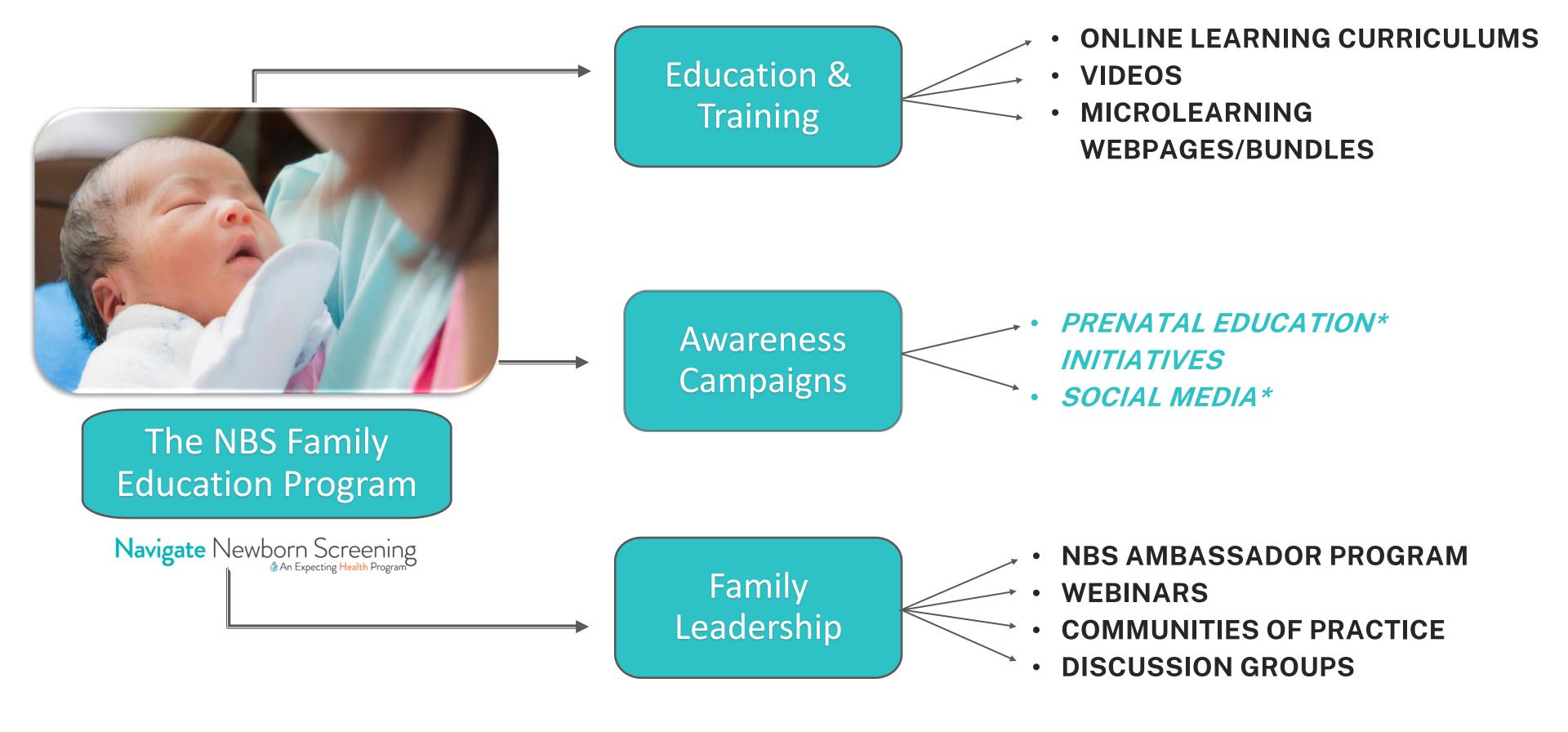
12

Ambassadors M

>3000

MUP aware of NBS

The Newborn Screening Family Education Program (Navigate Newborn Screening) is dedicated to developing opportunities for all families to learn about newborn screening and to develop training and educational resources that build confidence for families to become leaders in the newborn screening system.



EDUCATION IS MEETING FAMILIES WHERE THEY ARE

WHAT WE HAVE SEEN



WE HAVE INCREASED
AWARENESS &
EDUCATION
OPPORTUNITIES, BUT IT
REQUIRES MULTIPLE
STRATEGIES FOR SUCCESS



BOTH ORGANIZATIONAL
AND INDIVIDUAL
PARTNERSHIPS ARE
CRITICAL TO MEET
FAMILIES WHERE THEY
ARE



INNOVATIVE ONLINE
& IN-PERSON
STRATEGIES ARE
REQUIRED TO REACH
FAMILIES IN MUC

WHY DO WE NEED PRENATAL NBS EDUCATION



Receiving NBS information prenatally and from a health care provider increases parent satisfaction.¹



Parents state that NBS education should start prior to labor and delivery. ^{2,3,4}



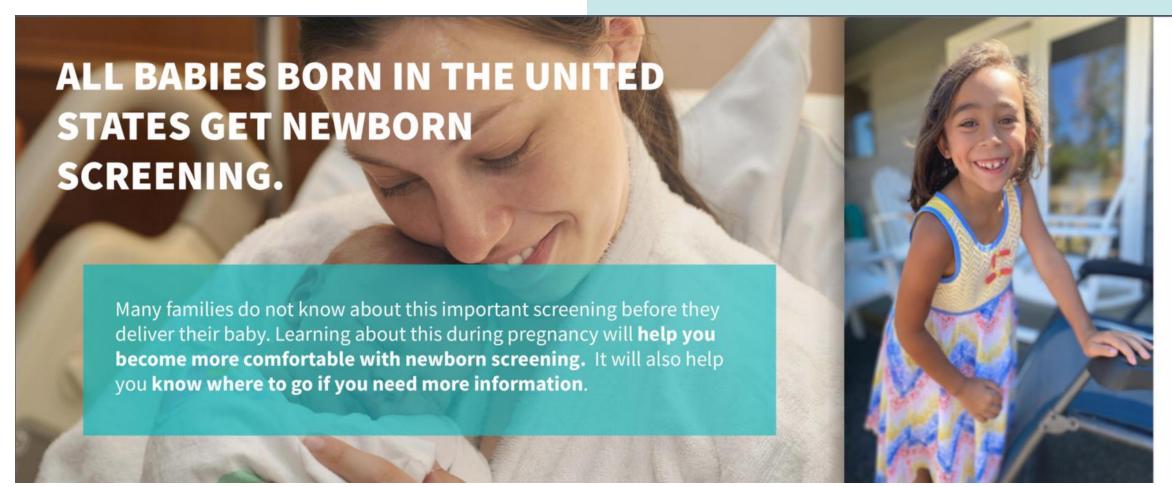
Prenatal NBS
education is
recommended by
experts, including
ACOG. 5,6



Prenatal NBS education is not common practice among prenatal care providers. ⁷

PRENATAL EDUCATION PILOT

- To increase awareness of the process and importance of newborn screening (NBS) in medically underserved populations by introducing education during routine pregnancy visits.
- To assess accuracy of knowledge regarding how, when and why newborn screening occurs.
- To provide resources for families for additional information regarding newborn screening should their baby have an out-of-range result.



That was the blood draw that would reveal she had a life threatening treatable metabolic disorder called Maple Syrup Urine Disease.

Because of this public health program we were able to get a timely and accurate diagnosis, begin treatment, and prevent irreversible brain damage. We are forever thankful for newborn screening!

-Susan Mays Mother of a child with a newborn screening co

KEY STRATEGIES USED IN PILOT DESIGN



UNDERSTAND CULTURAL PERSPECTIVES



LEVERAGE
TRUSTED
HEALTH CARE
PARTNERS



INCORPORATE
INTO EXISTING
WORKFLOWS



USE PRACTICAL
MATERIALS &
RELATABLE
EDUCATIONAL
MATERIALS



BE
TRANSPARENT
TO BUILD
TRUST

WHAT DID WE DO?

Target & partner with a medically underserved community-based prenatal groups

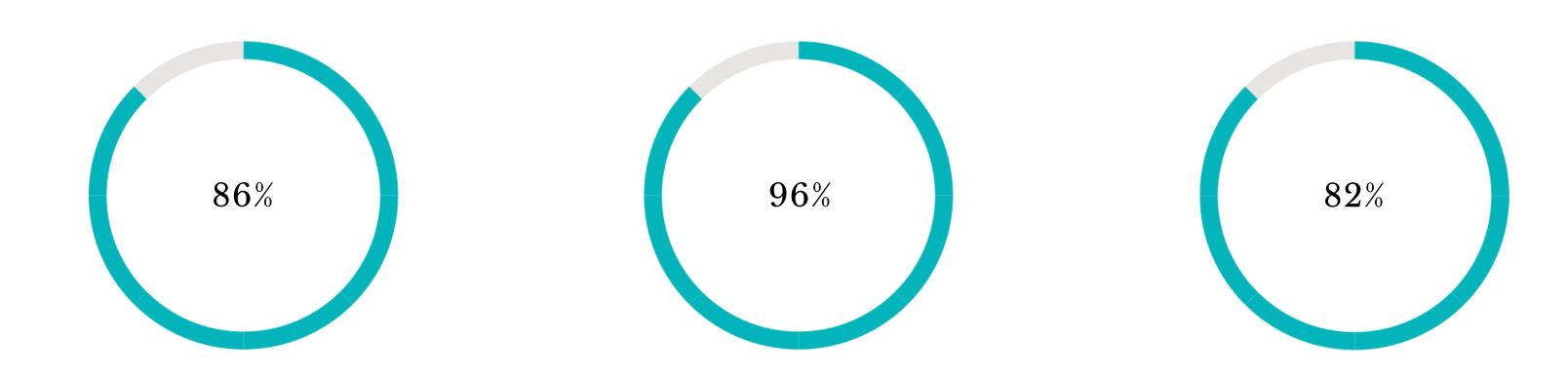
Develop & implement an educational initiative for patients

Develop a repeatable model for other prenatal care centers to leverage

- 1. LBJ Hospital: Latino Community in Houston, TX (June-Aug 2021)
- 2. Indiana Community Health Clinic: Plain Community in Indiana (Oct 2021-Jan 2022)
- 3. Prenatal Tribal Health Clinic: Tribal Community (launching spring 2022)

RESULTS FROM INITIAL PILOT PROGRAM AT LBJ

Correctly Defining NBS went from 32% to 86% post intervention



CORRECTLY DEFINED NBS

Prior to reading the book, 18 (32%) participants correctly identified the definition of NBS while 48 answered correctly after reading the book.

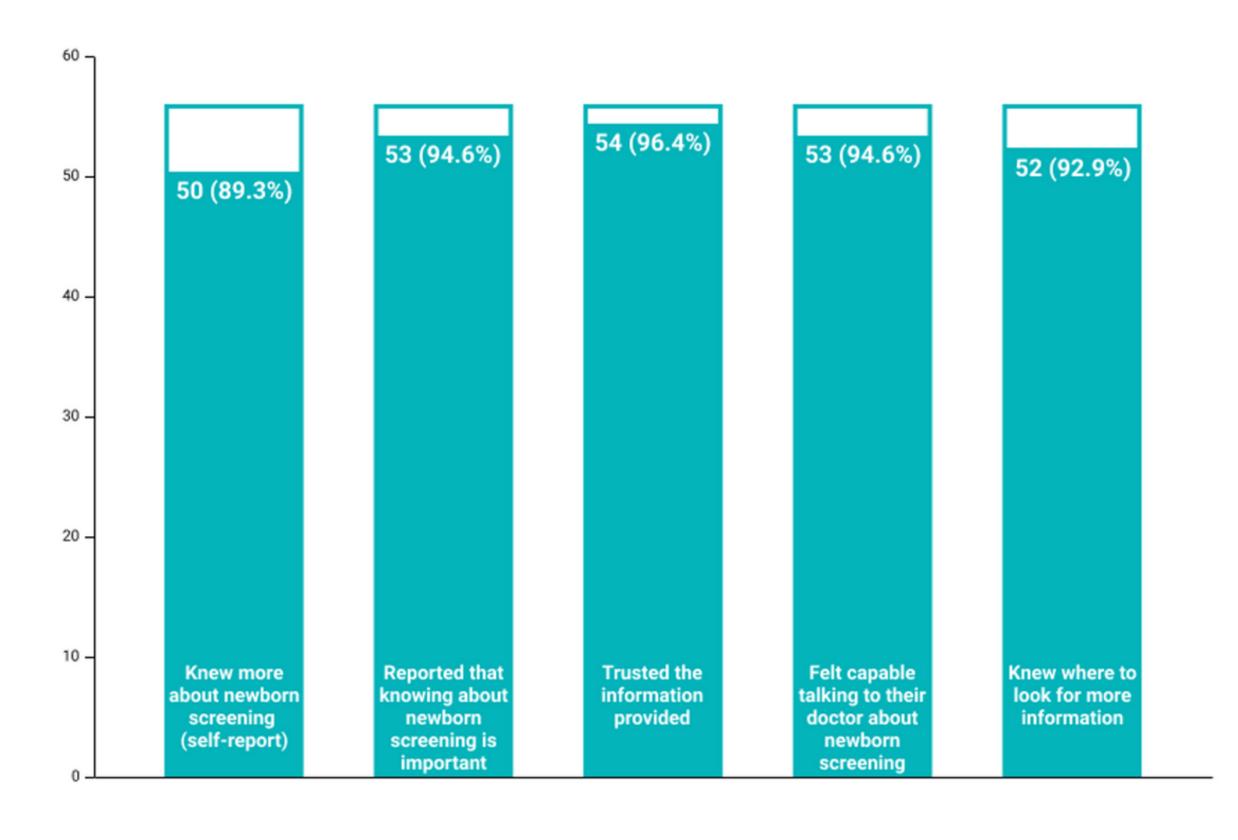
IDENTIFIED THAT THERE ARE 3 PARTS TO NBS

Prior to reading the book, 25 (44%) of participants were aware of the 3 parts to NBS, while 54 correctly answered after reading the book.

RECOGNIZED MEANING OF AN ABNORMAL RESULT

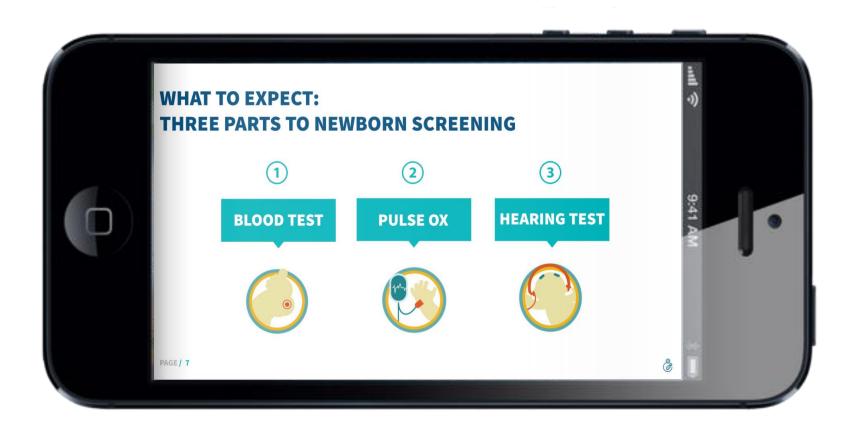
Prior to reading the book, 9 (16%) of participants recognized that an abnormal NBS result does not always mean there is something wrong with their baby, while 48 correctly answered after reading the book.

RESULTS FROM INITIAL PILOT PROGRAM AT LBJ



• 89% or more reported increases in awareness, knowledge, confidence and skill to lead and advocate for newborn screening and their families (N=56).

SUCCESSES & OPPORTUNITIES



- Integrate into existing workflows
- Leverage relatable mechanisms for learning
- Consistency
- Prenatal groups AND state NBS programs have shown interest in increasing efforts to educate families about newborn screening during pregnancy.
- Longitudinal studies are needed to demonstrate the impact of education on all parts/experiences of the newborn screening system.

SOCIAL MEDIA CAMPAIGN

- Social media is a well known tool for communicating preconception and pregnancy related health topics with over 90% of adults ages 18-24 engaging with some platform (1).
- Multiphase approach utilizing multiple strategies
 - Can we reach a target audience?
 - How does the target audience engage with NBS education?

Know early.
Know now.
Know newborn screening.

Get free information to promote a healthy start for your baby!



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EARLY SUCCESSES



30

Day Campaign*

1.9 M

MUP reached

3.7M

Impressions

5000

Clicks

67%

Ages 18-44 reached

- *Phase 1: August 2021
 - Successful test of our ability to reach a targeted audience
- Phase 2: Launch March 2022
 - Will the targeted audience we reach engage in education about newborn screening?





HOW TO GET INVOLVED?

PARTNERSHIPS ARE INTEGRAL TO FAMILY EDUCATION

67%

Doulas

Each of these activities highlighted that providers also have gaps in the knowledge and confidence of newborn screening.

ACTIVITY	DETAILS	OUTCOME
Doula Focus Group	9 doulas elected to complete Navigate and join a discussion group	 67% of doulas reported taking the training was a good use of their time
CA Midwives Focus Group & Training	2 midwives joined a discussion group to review prenatal initiative	 Midwives rely on the state brochure which will no longer be available
University of GA Undergraduate Course	70 undergraduate students completed Navigate NBS	 Unique Opportunity to educate future providers and parents.
Ambassador Task Force	12 Ambassadors participated in quarterly meetings	 Some family leaders experience frustration with provider experiences

Thank You



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MEET THE TEAM









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