

**Newborn Hearing
Screening:
Collaborating
With Midwives In
Colorado**





How I Got Started...

In June of 2020, my granddaughter, Bella was born at home with the help of a midwife

Hearing screening options at the time were hospital or clinic

Bella's hearing was screened in the comfort of her mother's arms, at home

Maybe there are other families who would love to have NBHS their homes too?



Newborn Hearing Legislation

HB18-1006 (1997;2018): NBS & NBHS
are mandated by law

Code of Colorado regulations: 6 CCR
1009-6: newborn hearing screening
(effective March 16, 2020).

Midwives and birthing centers are also
required to either screen babies for
hearing loss or provide information to
parents on where to obtain a newborn
hearing screening.



Quality Improvement And Evaluation Of EHDI Programs

Applied at each level of the program,
including: •

- The overall state EHDI program.
- Individual hospital and birthing center programs.
- **Home births.**
- Diagnostic and intervention programs (pediatric audiologists, amplification, cochlear implants).
- Tracking and surveillance programs.



R E S E A R C H

Is not my responsibility (91.1%)

Lack the resources & knowledge to guide families (92.9%).

They did not know what to say (47.1%)

They had to deal with other more pressing issues (43.9%)

Geodert, Martha.H.; Moeller, Mary.Pat.; White, Karl.R. (2011).
Midwives' Knowledge, Attitudes, and Practices Related to
Newborn Hearing Screening

Understanding Home Birth

- Sovereign Birth - "Affidavit Of Nativity" Or Family Bible Record
- Freebirth
- Wild Birth
- Unassisted Birth
- DIY Birth
- Unhindered Birth
- Lay Or Traditional Midwife Assisted Birth
(Illegal In Most States)
- Doula Assisted Birth (Similar To Lay Person)
- Midwife Assisted Home Birth
- Birth Center
- Hospital Birth With Midwife
- Unplanned Home Birth (Home, Car, Roadside)*



Understanding Midwives

- Certified Nurse-Midwife (CNM)
 - Direct-Entry Midwife (DEM)
 - Certified Midwife (CM)
 - Certified Professional Midwife (CPM)
 - Lay Midwife/Traditional Midwife
-
- Midwives work in hospitals too



**Newborn Hearing
Screening: Pilot
Project**





WHERE DO I GO?



OPEN MIND & OPEN HEART



WHEREVER BABIES ARE BORN...

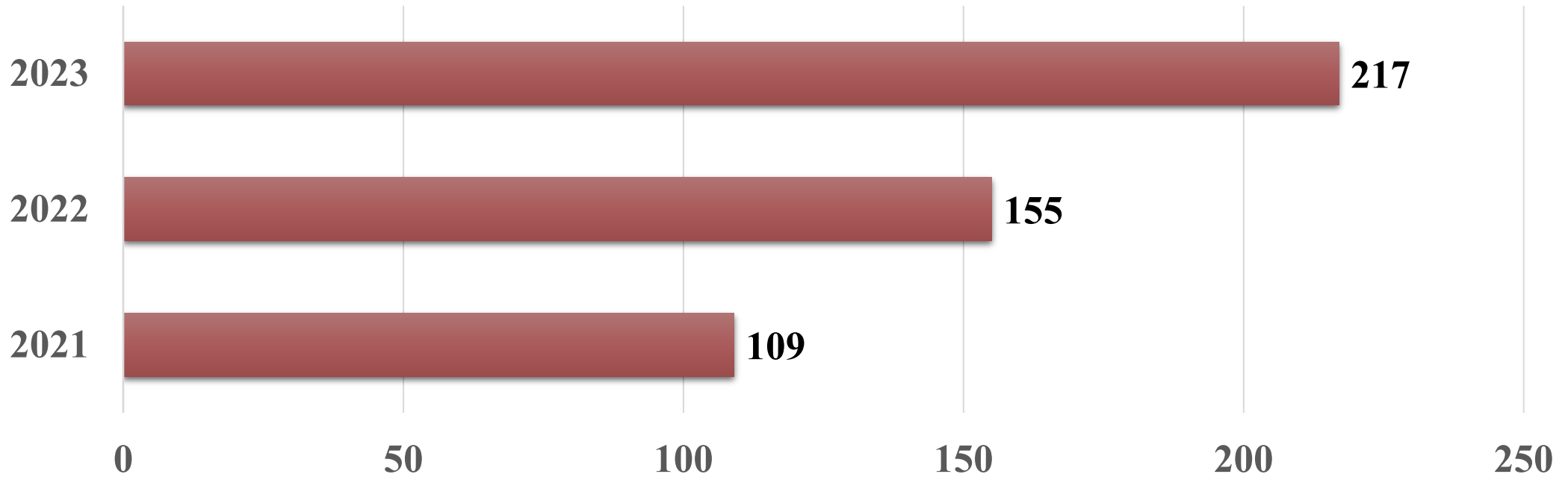


Goals

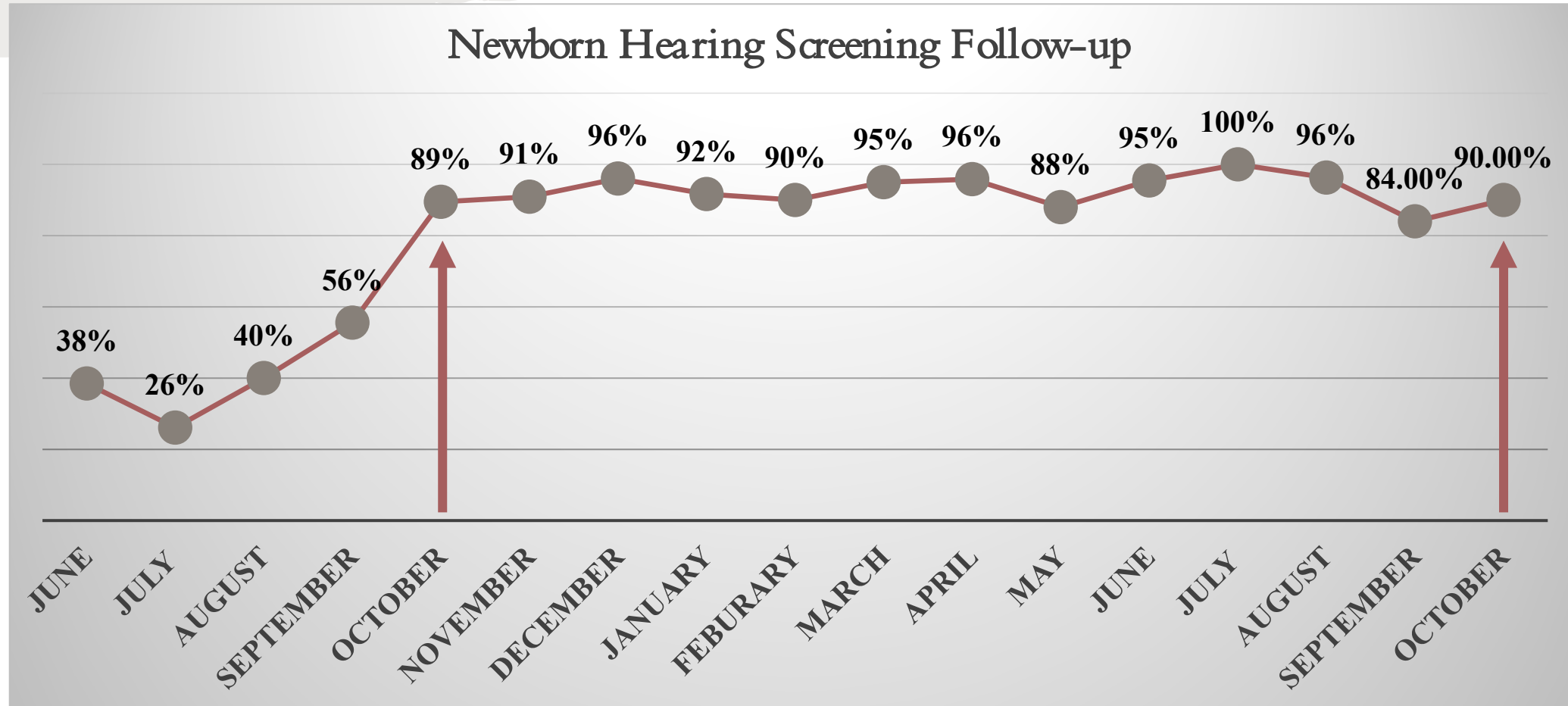
1. Can we increase the number of home birth families receiving a NBHS?
 - a. Currently, about 30%
2. Can we reduce the number of “Outstanding Missed on Initial Screening” on the CDPHE list by at least 50%
 - a. Approximately 1000 babies per year lost to follow-up

Total NBHS Screening for NorthStar Audiology

NBHS by Year



NBHS Screening Collaboration Pilot Project

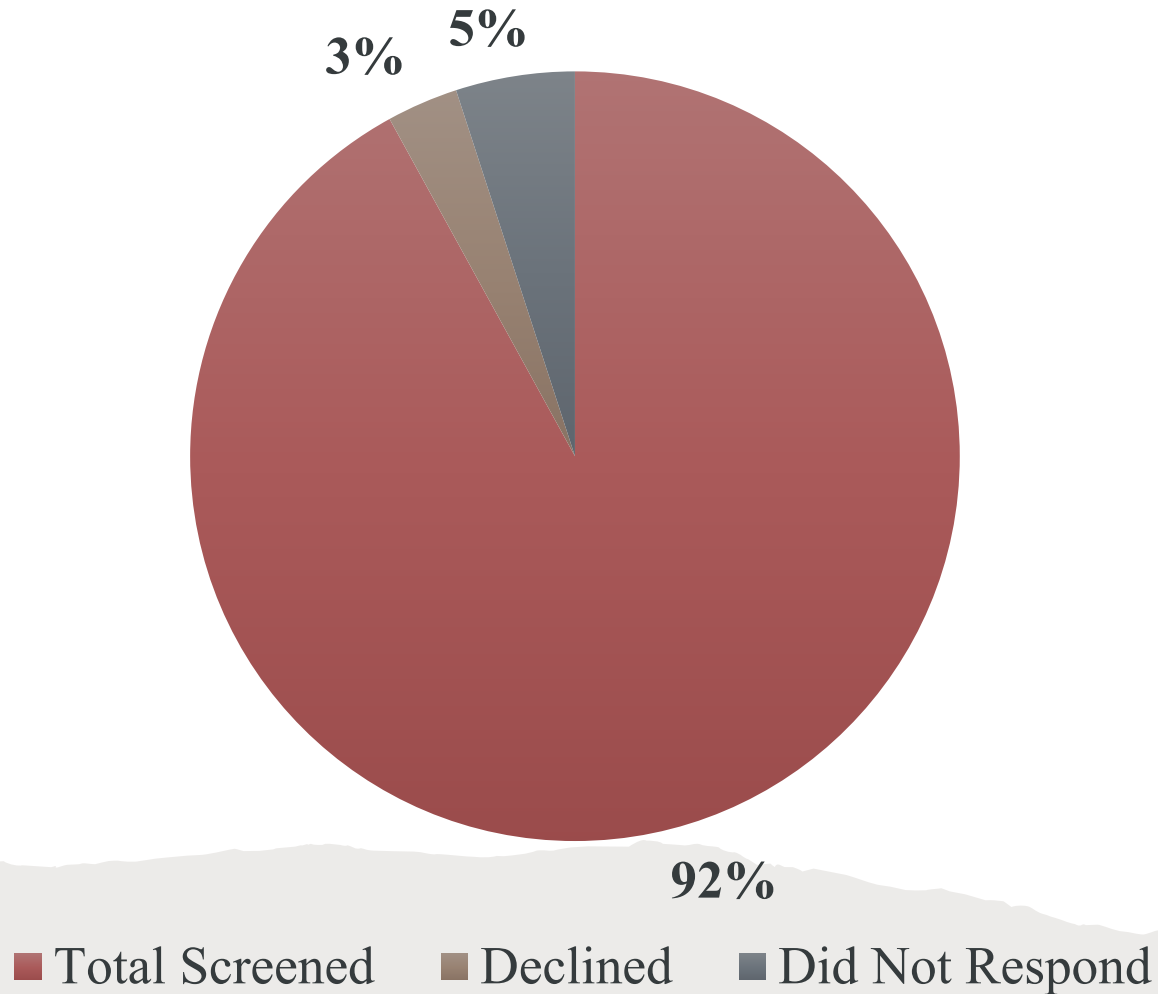


	Number of Infants	Percentage
Total Referred	265	
Total Screened (NSA/Other)	243	92
Declined	8	3
No Response	14	5



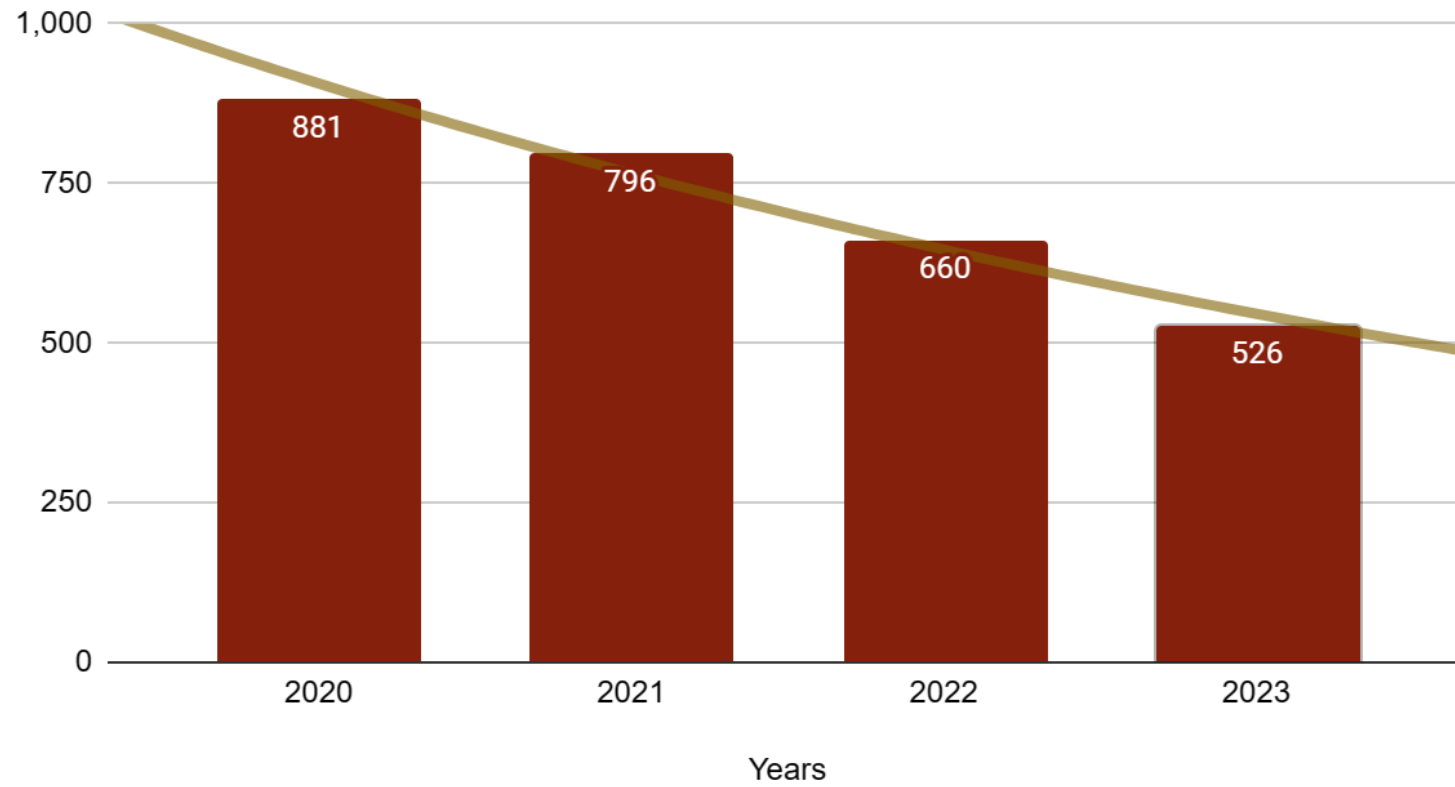
NBHS Screening Data

Newborn Hearing Screening Outcomes



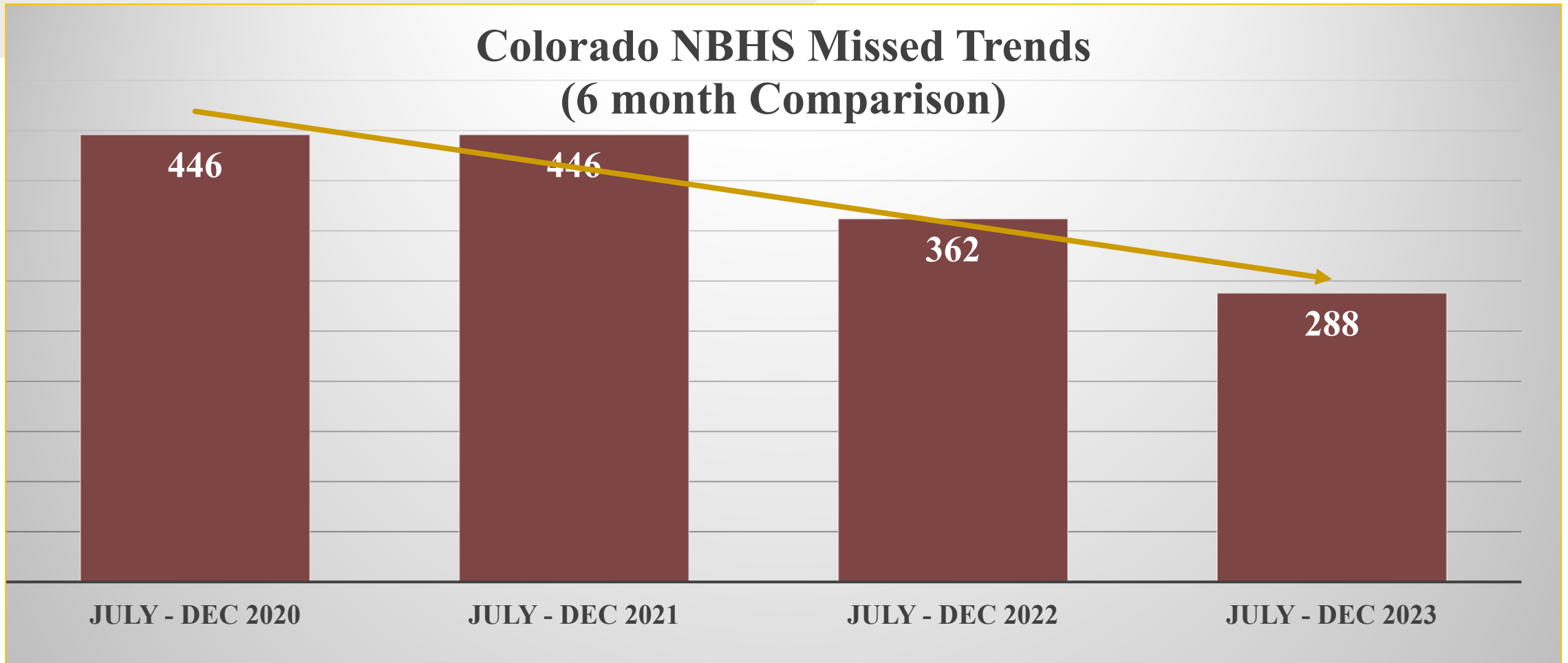
N B H S S c r e e n i n g D a t a

Colorado NBHS Missed Trend in Years



N B H S S C R E E N I N G D A T A

NBHS Screening Data





Goals Met?

1. Can we increase the number of home birth families receiving a NBHS?
 - a. Yes, about 92%
2. Can we reduce the number of “Outstanding Missed on Initial Screening” on the CDPHE list by at least 50%.
 - a. Yes (40%)



Challenges

1. More education is needed for home birth families and midwives
2. Not all midwives are onboard with NBHS, referrals, or data entry
3. Not all midwives have access to equipment or screening services
4. Funding

References

Geodert M.H.; Moeller, M.P.; White, K.R. (2011). Midwives' knowledge, attitudes, and practices related to newborn hearing screening J midwifery womens health. 2011 march ; 56(2): 147-153. Doi:10.1111/j.15422011.2011.00026.X.

Joint committee on infant hearing, american academy of audiology, american academy of pediatrics, american speech-language-hearing association, & directors of speech and hearing programs in state health and welfare agencies. (2000). Year 2000 position statement: principles and guidelines for early hearing detection and intervention programs. *Pediatrics*, 106(4), 798-817.

Text - H.R.1193 - 106th congress (1999-2000): newborn and infant hearing screening and intervention act of 1999. (1999, april 7). <https://www.Congress.Gov/bill/106th-congress/house-bill/1193/text>



THANK YOU