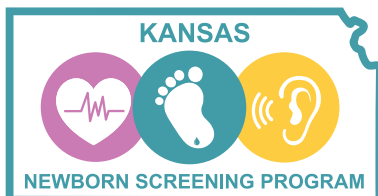


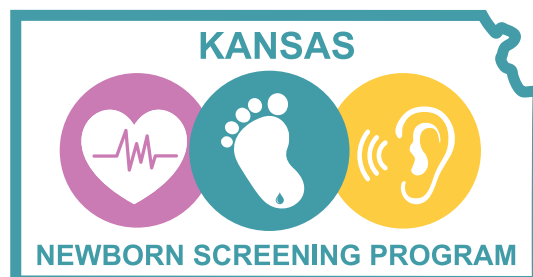
# Kansas Newborn Screening

## 2023 Facility Recognitions



# About Kansas Newborn Screening Annual Recognition Program

The Kansas Newborn Screening team is deeply grateful for the unwavering commitment and tireless efforts of our health care partners throughout the state. These dedicated individuals are instrumental in improving the health and well-being of Kansas newborns and their families. The continued success and impact of our program depend on the seamless collaboration between our follow-up team, the health chemistry laboratory team, the families of Kansas, and you, our valued healthcare partners. Together, we are making a significant difference in the lives of the youngest members of our community. In partnership with the Kansas Hospital Association (KHA) and the Kansas Midwives Alliance (KMA), we are proud to recognize the facilities and midwives who have demonstrated excellence in newborn screening throughout the year 2023.



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# What Recognition Means

To earn recognition means that your facility clearly demonstrated a consistent effort to meet or exceed state screening goals in 2023. State Newborn Screening goals are:

## Critical Congenital Heart Defects (CCHD)

- Screening status reported for 100% of infants born

## Hearing Loss

- 100% of babies born are screened within 1 month of age
- Diagnostic evaluation complete within 3 months of age
- Infants with hearing loss receive early intervention services within 6 months of age
- Facility referral rates remain within the expected range for their screening equipment

There are two types of screened equipment used: OAE and AABR. No more than 8% of babies screened with OAE equipment should be referred for diagnostic testing. No more than 4% of babies screened with AABR equipment should be referred for diagnostic testing. Higher than expected referral rates indicate that the screeners may not have consistently used correct screening procedures or technique.

## Metabolic and Genetic Conditions

- 1.30% or less of all specimens submitted to the Kansas Health and Environment Laboratory (KHEL) are rejected as “Unsatisfactory”
- Average collection age for specimens is 24 hours of age
- Average elapsed time from collection to delivery at KHEL, “transit time,” is 24 hours
- 100% of specimens have complete and correct demographic information

Meeting these goals requires a dedication to higher screening standards and continuous improvement. Birthing facilities and newborn providers must employ consistent training, efficient protocols, and effective internal communication to meet these goals. Facilities and providers named in these recognitions demonstrate their dedication to higher quality newborn screening through meeting screening goals, showing improvement over time, or exceeding state average performance rates.



# Recognition Categories and Awards

There are six award categories. Each category is described based on what would qualify a facility.

## Category 1: Complete Demographics Recognition

Complete demographics information is necessary to accurately interpret screening results and report them to health care providers in a timely manner.

## Category 2: Hearing Screening

Early hearing loss detection provides babies the best possible chance at healthy development.

To make this category as equitable as possible, we evaluated health care professionals, birthing hospitals and midwives based on the number of babies who received screenings (as opposed to the number of babies born). This prevents exclusion bias caused by families who do not consent to screening. This number was then compared to the number of infants who were screened within one month. Neonatal intensive care unit and transfer status were also accounted for and did not negatively impact the resulting screening rates. Health care professionals meeting the criteria were further evaluated for their referral rates with Otoacoustic Emission (OAE) and Auditory Brainstem Response (ABR) screening equipment. Those meeting both criteria received recognition.

There are two types of screened equipment used: OAE and AABR. No more than 8% of babies screened with OAE equipment should be referred for diagnostic testing. No more than 4% of babies screened with AABR equipment should be referred for diagnostic testing. Higher than expected referral rates could be indicative of screening errors.

To receive recognition in this category, All babies screened have been screened within one-month of age and referral rates remain within the expected range for the type of equipment used.

## Category 3: Critical Congenital Heart Disease (CCHD)

About one in every four babies born with a heart defect has a critical congenital heart defect (critical CHD, also known as critical congenital heart disease). Babies with a critical CHD need surgery or other procedures in the first year of life.

Awards in this category were given to facilities with 100% screening rate or the top performing facilities in their respective size category.

# Recognition Categories and Awards

## Category 4: Collection Age

Collection age is critical to achieving timely and accurate results. When a specimen is collected before the baby is 24 hours of age, the specimen can be affected by the mother's analytes. These additional analytes can cause a false positive or false negative when the laboratory completes the test, which may result in the baby needing a repeat screen.

To achieve in this category, the average age at time of collection for initial screens should be between 24 and 30 hours of age. NICU babies collected before 24 hours of age were excluded from this analysis. For the categories that do not have any locations meeting this criterion, the top 5% of locations were determined the winners.

## Category 5: Transit Time

Transit time is an important factor in ensuring the specimen is optimal for testing. The goal is for the specimen to arrive at the state lab within 24-hours from the time of collection. Overnight mail services or couriers are recommended to meet this standard.

To be recognized in this category, facilities must have an average transit time of less than 36 hours or be in the top five percent of their respective size category.

## Category 6: Unsatisfactory Rate

The unsatisfactory rate is the percentage of specimens submitted that meet testing requirements. An unsatisfactory determination can result from a number of factors, some of which include: quantity not sufficient, blood spots per calibrated circle, blood on the coverlet, wrinkled or abraded spots, or uneven saturation of the filter paper.

Low unsatisfactory rates yield better testing results and places less burden on baby and family when having to repeat the screen.

To be recognized in this category, facilities must have an unsatisfactory rate of 1.3% or less or be in the top 5% of their respective size category.

# Recognition Categories and Awards

## Gold Recognition

### Qualification Criteria:

Providers must earn recognition in three or more categories to earn this designation.

### Awardees will receive:

- A recognitions plaque.
- Enhanced media kit including a press release template, an email or article template, sample social media content and an exclusive digital award badge that can be used on their website or other digital sites.



## Silver Recognition

### Qualification Criteria:

Providers must earn recognition in two categories to earn this designation.

### Awardees will receive:

- Custom printed certificate.
- Enhanced media kit including a press release template, an email or article template, sample social media content.



# Midwife Winners

## Complete Demographics

Criteria	Demographic information was 100% complete for every month.
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- Arise Birth
- Baby Blessings and Beyond LLC
- Barefoot Midwifery
- Blessed Event Birth Services Inc.
- Bloom Midwifery and Lactation
- Brenda Frankenfeld Midwife
- Created for Praise Midwifery
- Fruitful Vine Midwives
- Glory Birth
- Midwife Partners in Women’s Wellness LLC
- Rachel Andresen Midwife
- The Blessing Mothers Clinic
- Truly You Midwifery





# Midwife Winners

## Hearing Screening

### Criteria

100% of babies screened, were screened within the first month of life **and** referral rates remained at or below the recommended rate for the equipment used in all four quarters of 2023.

- Created for Praise Midwifery
- Dreaming Tree Women's Care
- Midwife KC
- Rachel Andresen Midwife
- Sacred Song Homebirth
- Sunflower Birth and Family Wellness

## Critical Congenital Heart Disease (CCHD)

### Criteria

Screening status reported for 100% of infants born.

- Created for Praise Midwifery
- Dreaming Tree Women's Care
- Midwife Partners in Women's Wellness LLC
- Natural Birth KC
- Sacred Song Homebirth
- Truly You Midwifery
- Young Beginnings

## Collection Age

### Criteria

Year to date average is less than 30 hours.

- Barefoot Midwifery
- Natural Birth KC
- Rachel Andresen Midwife
- Simply Midwifery
- Truly You Midwifery

# Midwife Winners

## Transit Time

Criteria	Year to date average is less than 36 hours.
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- Arise Birth
- Blessed Event Birth Services Inc
- Bloom Midwifery and Lactation
- Bethany Page Midwife
- Truly You Midwifery

## Unsatisfactory Rate

Criteria	Year to date average is equal to or less than 1.3%.
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- Arise Birth
- Blessed Event Birth Services Inc.
- Brenda Frankenfeld Midwife
- Fruitful Vine Midwives
- Rachel Andresen Midwife
- Simply Midwifery
- Truly You Midwifery

Unsatisfactory rate was based on the count of unsatisfactory specimens divided by the total number of specimens received in 2023. Specimens that had multiple rejection codes were only counted once. Rejection code 981 (specimen was wet when received) was excluded, as this is caused by shipping issues, not collector error. Average collection age and transit times were calculated using **initial** specimens only.



# Birth Hospital Winners

Birth Hospital size classes are as follows:

Very Small	=	5 - 100
Small	=	101 - 500
Medium	=	501 - 1,000
Large	=	more than 1,001

## Complete Demographics

Full and complete demographic information on the blood spot collection form is critical to ensuring timely reporting and interpretation of results when complete.

### Criteria

Demographic information was 100% complete for every month or is the top performing facility in their respective size category.

### Large Facilities

- The University of Kansas Health System

### Medium Facilities

- Menorah Medical Center

### Small Facilities

- Providence Medical Center

### Very Small Facilities

- Amberwell Hiawatha
- Community Memorial Healthcare, Inc.
- Norton County Hospital
- Rooks County Health Center
- Sabetha Community Hospital
- Washington County Hospital and Family Medicine

# Birthing Hospital Winners

## Hearing Screening

### Criteria

100% of babies screened, were screened within the first month of life **and** referral rates remained at or below the recommended rate for the equipment used in all four quarters of 2023.

### Large Facilities

- The University of Kansas Health System Olathe Campus

### Medium Facilities

- Menorah Medical Center

### Small Facilities

- Hutchinson Regional Medical Center
- Labette Health
- McPherson Center for Health
- Pratt Regional Medical Center
- The University of Kansas Health System Great Bend Campus

### Very Small Facilities

- Cheyenne County Hospital
- Mitchell County Hospital Health Systems
- Morris County Hospital
- Nemaha Valley Community Hospital
- Sabetha Community Hospital
- Scott County Hospital
- Washington County Hospital and Family Medicine

# Birthing Hospital Winners

## Critical Congenital Heart Disease (CCHD)

### Criteria

Screening status reported for 100% of infants born or is the top performing facility in their respective size category.

### Large Facilities

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- The University of Kansas Health Systems

### Medium Facilities

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- LMH Health

### Small Facilities

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- Citizens Health
- Newman Regional Health
- William Newton Hospital

### Very Small Facilities

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- |                                    |                                  |
|------------------------------------|----------------------------------|
| • Amberwell Hiawatha               | • Norton County Hospital         |
| • Cheyenne County Hospital         | • Republic County Hospital       |
| • Clay County Medical Center       | • Rooks County Health Center     |
| • Community Healthcare System, Inc | • Sabetha Community Hospital     |
| • Morris County Hospital           | • Scott County Hospital          |
| • Nemaha Valley Community Hospital | • Smith County Memorial Hospital |



# Birthing Hospital Winners

## Collection Age

### Criteria

Year to date average is under 30 hours.

### Large Facilities

- AdventHealth Shawnee Mission
- Ascension Via Christi Hospital in Manhattan, Inc.
- Ascension Via Christi Hospitals Wichita, Inc.
- Salina Regional Health Center
- Stormont Vail Health
- The University of Kansas Health System
- Wesley Healthcare

### Medium Facilities

- Southwest Medical Center
- St. Catherine Hospital - Dodge City
- St. Catherine Hospital - Garden City
- The University of Kansas Health System St. Francis Campus



# Birthing Hospital Winners

## Collection Age

### Small Facilities

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- AdventHealth South Overland Park
- Amberwell Atchison
- Citizens Health
- Coffeyville Regional Medical Center
- Irwin Army Community Hospital
- Kearny County Hospital
- Labette Health
- McPherson Center for Health
- Neosho Memorial Regional Medical Center
- Newman Regional Health
- NMC Health
- Pratt Regional Medical Center
- Susan B. Allen Memorial Hospital
- William Newton Hospital

### Very Small Facilities

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- Amberwell Hiawatha
- Clay County Medical Center
- Coffey County Hospital
- Community Healthcare System, Inc.
- Gove County Medical Center
- Nemaha Valley Community Hospital
- Norton County Hospital
- Republic County Hospital
- Rooks County Health Center
- Smith County Memorial Hospital
- Stormont Vail Health Flint Hills Campus

# Birthing Hospital Winners

## Transit Time

### Criteria

Year to date average is equal to or less than 36 hours.

### Large Facilities

- Ascension Via Christi Hospital in Manhattan
- Wesley Healthcare, Inc

### Medium Facilities

- St. Catherine Hospital - Garden City

### Small Facilities

- Hutchinson Regional Medical Center
- Newman Regional Health
- William Newton Hospital

### Very Small Facilities

- Community Memorial Healthcare, Inc.
- Gove County Medical Center
- Sabetha Community Hospital
- Smith County Memorial Hospital



# Birth Hospital Winners

## Unsatisfactory Rate

### Criteria

Year to date average is equal to or less than 1.3% or is the top performing facility in their respective size category.

### Large Facilities

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- The University of Kansas Health System Olathe Campus
- The University of Kansas Health System

### Medium Facilities

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- LMH Health

### Small Facilities

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- Neosho Memorial Regional Medical Center Small
- Newman Regional Health Small
- NMC Health Medical Center Small

### Very Small Facilities

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- Amberwell Hiawatha
- Community Memorial Healthcare
- Nemaha Valley Community Hospital
- Stanton County Hospital

# Screening Facility Winners

## Complete Demographics

Full and complete demographic information on the blood spot collection form is critical to ensuring timely reporting and interpretation of results when complete.

### Criteria

Demographic information was 100% complete for every month or is the top performing facility in their respective size category.

- Pediatric Care Specialists
- SCK Health
- Vibrant Health Central
- Vibrant Health Children's Campus





# Screening Facility Winners

## Unsatisfactory Rate

Full and complete demographic information on the blood spot collection form is critical to ensuring timely reporting and interpretation of results when complete.

### Criteria

Year to date average is equal to or less than 1.3% or is the top performing facility in their respective size category.

- SCK Health
- Sterling Medical Center
- Vibrant Health Children's Campus
- West Wichita Family Physicians, P.A.

Unsatisfactory rate was based on the count of unsatisfactory specimens divided by the total number of specimens received in 2023. Specimens that had multiple rejection codes were only counted once. Rejection code 981 (specimen was wet when received) was excluded, as this is caused by shipping issues, not collector error. Average collection age and transit times were calculated using initial specimens only.



# Combined List of Winners

## Gold Winners

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- Amberwell Hiawatha
- Arise Birth
- Blessed Event Birth Services Inc.
- Community Memorial Healthcare, Inc.
- Created for Praise Midwifery
- LMH Health
- Nemaha Valley Community Hospital
- Newman Regional Health
- Norton County Hospital
- Rachel Andresen Midwife
- Rooks County Health Center
- Sabetha Community Hospital
- SCK Health
- Smith County Memorial Hospital
- The University of Kansas Health System
- Truly You Midwifery
- Vibrant Health
- William Newton Hospital



# Combined List of Winners

## Silver Winners

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- Ascension Via Christi Hospital Manhattan, Inc.
- Barefoot Midwifery
- Bloom Midwifery and Lactation
- Brenda Frankenfeld, CPM
- Cheyenne County Hospital
- Citizens Health
- Clay County Medical Center
- Community Health Care System, Inc.
- Dreaming Tree Women's Care
- Fruitful Vine Midwives
- Gove County Medical Center
- Hutchinson Regional Medical Center
- Labette Health
- McPherson Center for Health
- Menorah Medical Center
- Midwife Partners in Women's Wellness LLC
- Morris County Hospital
- Natural Birth KC
- Neosho Memorial Regional Medical Center
- NMC Health
- The University of Kansas Health System Olathe Campus
- Pratt Regional Medical Center
- Republic County Hospital
- Sacred Song Homebirth
- Scott County Hospital
- Simply Midwifery
- St. Catherine Hospital - Garden City
- Washington County Hospital and Family Medicine
- Wesley Healthcare



# Partnerships

Implementing these annual awards required commitment and contribution from the entire Kansas Newborn Screening team and our partners. Thank you to all who collaborated on this project and promoted awareness of its publication!

## Kansas Midwives Alliance



kansasmidwives.com  
kansasmidwivesalliance@gmail.com  
785-979-2477

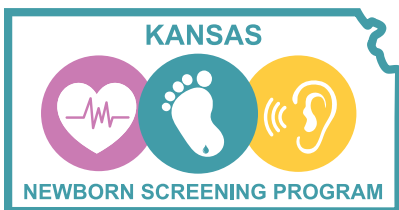
## Kansas Hospital Association



**Kansas Hospital**  
ASSOCIATION

kha-net.org  
785-233-7436

## Kansas Newborn Screening Program



kdhe.ks.gov/NewbornScreening  
nbss.ks.gov  
kdhe.newbornscreening@ks.gov  
785-291-3363

## KDHE Health Chemistry Laboratory



kdhe.ks.gov/labs  
kdhe.healthchemlab@ks.gov  
785-296-1620



## Kansas Department of Health and Environment

kdhe.ks.gov  
1000 SW Jackson Street  
Topeka, KS 66612  
785-296-1500



