

Genomics & Newborn Screening Quarterly

April 2021

Volume 4, Issue 1



NEWBORN SCREENING
INDIANA

Topics included
in this issue:

Newborn Screening
Virtual Trainings

Updated
Reportable
Conditions List

Pulse Oximetry
Changes, X-ALD
Screening

New! Newborn
Screening Video

Congratulations!

Virtual Trainings for Newborn Screening

The GNBS Program has launched six (6) new trainings on the IN-Train website. These trainings are intended for multiple roles in the newborn healthcare setting. We aim to provide education to various to healthcare professionals such as birthing facility staff, primary care providers, midwives, and registered nurses. This training is available to any other healthcare professionals who wish to learn more about newborn screening.

By housing our trainings on the IN-Train website, it allows our NBS stakeholders to have 24/7 access to trainings. Instructions on how to create an account can be found [here](#). If you experience any technical issues while registering or using IN-Train, please reach out to the IN-Train admin at IN-Train@isdh.in.gov. If you have any questions regarding the content of our trainings, please reach out to us at ISDHNBS@isdh.in.gov.



Current Trainings Available:

- Indiana INSTEP MSR Training
- Indiana Newborn Screening Policy Guidelines
- Indiana After Heel Stick Screening
- Indiana Newborn Screening Process
- Indiana Heel Stick Quality Training
- Indiana Newborn Screening Pulse Oximetry Updates

Did you know?

IBDPR Reportable Conditions List Recently Updated

Numerous categories of conditions have been removed, while cardiomyopathies and diabetic embryopathy have been added. All conditions remain reportable up to age 3, unless otherwise noted on the list. For more information, please visit the [IBDPR Reportable Conditions List](#).



Pulse Oximetry Changes & X-ALD Screening Begin July 1, 2021

Changes to the pulse oximetry algorithm begin July 1, 2021. The right hand and either foot must be at 95% or higher and a difference of 3% or less between the right hand and either foot is required to pass. Only one (1) rescreen, performed one (1) hour after the initial screen is allowed. If the second screen is a failure, initiate a clinic workup, at minimum an echocardiogram is required. We have developed the following resources for your convenience:

- [A letter outlining the changes](#)
- [A pulse oximetry flow chart](#)
- [A pulse oximetry Screening algorithm](#)

New exceptions to pulse oximetry screening will take effect July 1, 2021.

There are four new exceptions to the required pulse oximetry screen:

1. A newborn diagnosed with critical congenital heart disease prenatally;
2. A newborn who receives an echocardiogram prior to the required newborn pulse oximetry screen;
3. A newborn on supplemental oxygen or respiratory support for non-congenital heart diseases; and
4. A newborn on palliative care.

If a newborn meets an exception to pulse oximetry screening listed above, providers must report the exception to the department of health in the monthly summary report. Documentation of oxygen saturation percentages are required on the newborn screening card. We have developed a [Pulse Oximetry Exceptions Guide](#) for your convenience.



X-Adrenoleukodystrophy screening starting July 1, 2021.

Adrenoleukodystrophy is an X-linked genetic disorder that affects the nervous system and the adrenal glands. People with X-ALD often lose the covering around nerves in the brain and spinal cord.

They may also lack hormones that is caused by damage to the outer layer of the adrenal glands. There are three (3) types of X-ALD. X-ALD is caused by a variation in the *ABCD1* gene. Due to the X-linked inheritance pattern, males are primarily affected by X-ALD. Newborn screening provides the best outcomes for people affected by X-ALD by ensuring early detection and intervention!

New! Newborn Screening Video

Check out our [Newborn Screening Video](#) that walks through the basics of each of the three (3) newborn screens performed. This video was developed to help educate families about NBS prior to a baby being born.

Congrats to...

All awardees of the
FY22-23 Newborn
Screening Care
Coordination Grants!

The Women's Hospital
Deaconess for a 10.1% Heel
Stick Quality Indicator
percentage!

*We appreciate all the hard
work you put into caring for
our Hoosier newborns!*

Contact Us!

Genomics and Newborn Screening Program

P: 888-815-0006

F: 317-234-2995

ISDHNBS@isdh.IN.gov

IBDPR@isdh.IN.gov

nbs.in.gov

birthdefects.in.gov

Newborn Screening Laboratory

P: 317-278-3245

F: 317-321-2495



Early Hearing Detection and Intervention Program

P: 317-232-0972

F: 317-925-2888

www.hearing.in.gov

Click [here](#) to sign up for GNBS updates!