

Utah Critical Congenital Heart Defect (CCHD) Screening Project

LINKS

[Utah CCHD Screening Program Website](#)

ADDITIONAL READING

[Implementing Recommended Screening for Critical Congenital Heart Disease](#)

[Public Health Roles for Birth Defects Monitoring Programs](#)

[A Public Health Economic Assessment of Hospitals' Cost to Screen Newborns for CCHDs](#)

[IBIS Indicators - CHDs](#)

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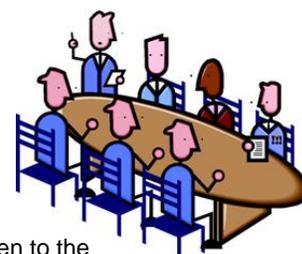


Utah CCHD Screening Project Coming to a Close May 31, 2015

The CCHD Screening Project will soon be coming to a close. May 31, 2015 marks the end of the three year pilot project funded by the Health Resources and Services Administration (HRSA). We would like to thank all of those from the Utah Department of Health, University of Utah, and Intermountain Medical Center who have provided their time and efforts to making this project work. The findings are now being analyzed and reviewed, and will be disseminated soon.

CCHD Advisory Committee Meeting – May 21, 2015

We will be holding our final CCHD Advisory Committee meeting on Thursday, May 21, 2015 from 8 a.m. to 9:30 a.m. at the Utah Department of Health building located at 44 N. Mario Capecchi Dr., Salt Lake City, UT, in conference rooms C & D. The meeting will be open to the public as we discuss the findings from the CCHD Screening Project.



Preliminary Results from Mandated CCHD Screening

Statewide mandated screening for critical congenital heart disease began on October 1, 2014. To monitor screening around the state, a screening field was added to the newborn vital records worksheet, allowing birth certificate clerks at each birthing facility to indicate whether the baby passed, failed, or was not screened for CCHD. All 42 birthing hospitals, birthing centers, and home births are now reporting screening results via the birth certificate.

Below are some initial results from the birth certificate record from October 1, 2014 through February 28, 2015:

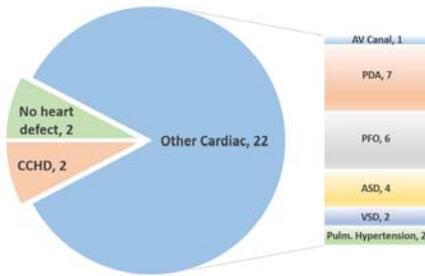
Table 1. Statewide CCHD screening results, October 1, 2014 through February 28, 2015

	Hospitals		Freestanding birth centers		Home births		Total	
	n	(%)	n	(%)	n	(%)	n	(%)
Number of babies born	19,647		185		428		20,260	
Not screened^a	1535	7.8	41	22.2	140	32.7	1716	8.5
Babies w/documentated screening results	18,112	92.2	144	77.8	288	67.3	18,544	91.5
Passed	18,086	99.9	144	100.0	288	100.0	18,518	99.9
Failed^b	26	0.1	0	0.0	0	0.0	26	0.1

^aThis includes babies not screened at the time of completion of the birth certificate and could have been screened at a later time (e.g., babies in the neonatal intensive care unit)

^bAn echocardiogram was performed for all 26 babies failing the CCHD screening

Preliminary Results from Mandated CCHD Screening Continued...



All screens marked as failed were reviewed and resulted in 26 confirmed fails. Of these, all had an echocardiogram performed: two were diagnosed with CCHD (both pulmonary atresia), 22 had another cardiac condition (atrioventricular canal defect, patent ductus arteriosus, patent foramen ovale, atrial septal defect, ventricular septal defect, or pulmonary hypertension), and two did not have a heart defect based on echocardiogram results.

Figure 1. Diagnoses for 26 failed CCHD screens

CCHD Screening Project Website

Below we highlight the CCHD Screening Project website with a brief description of the contents of each tab. The screening website can be accessed at the following link: <http://www.health.utah.gov/cchd/>.

Families tab: information in English and Spanish on CCHDs and CCHD screening, common questions, what a failed screen means, and facilities with ECHO capabilities.

Hospitals tab: includes the screening protocol, data reporting, recommended equipment, online learning modules, and facilities with ECHO capabilities.

Birthing Centers/Home Births tab: links to CCHD screening protocol, data reporting, recommended equipment, online learning modules, and facilities with ECHO capabilities.

ECHO Training tab: information regarding Primary Children's Hospital ECHO training, and online ECHO training modules provided by the Wisconsin SHINE Project.

Heart Atlas tab: detailed information/graphics on 12 congenital heart defects, including the seven defects classified as CCHDs.

Toolkit tab: contains newborn screening statute, birth defect reporting rule, protocol, data collection form, refusal waiver, links to newsletters, references, and links to external screening resources.

This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number H46MC24061 with a title of Genetic Services Project for the amount of \$300,000, Utah Department of Health: 25% and 75% pass through to University of Utah. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, or the U.S. Government.



Birth defects affect us all. What effect will YOU have on birth defects?