

From: Allen, Nadine <nallen@wha.org>

Sent: Wednesday, September 22, 2021, 10:02 AM

Subject: WHA QUALITY ALERT: 2021 Q2 Critical Congenital Heart Disease (CCHD) Screening Report

This email applies to birth hospitals only.

Screening for Critical Congenital Heart Disease (CCHD) is part of the mandatory newborn screening panel. The goal of this program is to get complete information on all infants.

The attached letter and aggregate results for 2nd quarter 2021, for all birth hospitals, along with your individual results were sent to your birth center contact. WHA has agreed to help disseminate the same information to all of you. Please review the attached report and help your birth center identify what are likely simple process improvements if your hospital has lower performance.

If any of you have questions, please contact Kelsey directly at kelsey.stevenson@dhs.wisconsin.gov.

Thank you for taking a look at this and helping to keep babies safe.

Thanks,
Nadine

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Date: September 17, 2021

To: Newborn Nursery Managers and Out-of-Hospital Birth Attendants

Re: Newborn Critical Congenital Heart Disease Screening, April 1–June 30, 2021

The Wisconsin Department of Health Services (DHS) added screening for Critical Congenital Heart Disease (CCHD) by pulse oximetry to the Wisconsin Newborn Screening Program's panel of conditions, effective July 1, 2014, per Wis. Admin. Code § DHS 115.4.

Enclosed is a copy of your individual hospital or out-of-hospital report based on information submitted on the Newborn Screening Blood Collection form (blood card) to the Wisconsin State Laboratory of Hygiene (WSLH) for babies born between April 1 and June 30, 2021. Also included is a copy of a summary report organized by screening rates by individual hospitals. This report, in partnership with the Wisconsin Hospital Association (WHA), will be shared by WHA with hospital quality managers.

The DHS Newborn Screening Program contracts with Wisconsin SHINE (Screening Hearts in Newborns) at the University of Wisconsin School of Medicine and Public Health in collaboration with the Medical College of Wisconsin to support implementation of universal screening for CCHD. Wisconsin SHINE (<http://www.wisconsinshine.org/>) provides:

- CCHD screening protocols for the well-baby nursery and NICU.
- Technical assistance for questions about screening policy or procedure.
- Staff and parent education materials.
- Information on reporting screening results.

Included as part of the summary report are tips to help improve CCHD reporting created by Wisconsin SHINE. If you have questions on CCHD screening protocols or results, please contact Andrea Blom, Wisconsin SHINE, by email at adblom@pediatrics.wisc.edu. If you have questions on the data report methodology, please contact Kelsey Stevenson, Newborn Screening Data and System Integration Specialist, at the Department of Health Services by email at Kelsey.Stevenson@dhs.wisconsin.gov.

Thank you,

A handwritten signature in black ink, appearing to read "Robert D. Steiner".

Robert D. Steiner, MD
Newborn Screening Program Medical Consultant
Bureau of Community Health Promotion
Wisconsin Division of Public Health



NEWBORN CRITICAL CONGENITAL HEART DISEASE (CCHD) SCREENING IN WISCONSIN

The Wisconsin Department of Health Services (DHS) added screening for Critical Congenital Heart Disease (CCHD) by pulse oximetry to the Wisconsin Newborn Screening Program's panel of conditions, effective **July 3, 2014**, as per DHS 115.4.

CCHD Newborn Screening Report - April 1 to June 30, 2021

In the second quarter of 2021, the following CCHD screening information was submitted on the Newborn Screening Blood Collection form (blood card) by providers to the Wisconsin State Laboratory of Hygiene (WSLH). *No CCHD screening information was reported for 0.9% of births – an improvement from 5.7% of births as reported in 2016.*

«submittr»

SCREENING REPORT	YOUR DATA	STATEWIDE
Total Newborn Screening Records	«total»	15,970
Babies Who Passed Screening	«pass» (100.0%)	15,110
Babies Who Failed Screening	«fail»	30
Babies Screened – Result Unknown	«unknown»	0
Babies Not Screened – Reason Not Screened Reported	«tot_reas» (0.0%)	690 (4.3%)
• Not Screened – Refused Screen	«refusd»	38
• Not Screened – Transferred	«transf»	134
• Not Screened – Deceased	«decd»	11
• Not Screened – Echo Normal	«echoN»	25
• Not Screened – Confirmed Heart Disease	«CHD»	6
• Not Screened – Other Reason	«other»	476
Missing – No Pass/Fail/Unknown or Not Screened Reason Reported	«missing» (0.0%)	140



The DHS contracts with Wisconsin SHINE (<http://www.wisconsinshine.org/>) at the University of Wisconsin School of Medicine and Public Health in collaboration with the Medical College of Wisconsin to support implementation of universal screening for CCHD. Wisconsin SHINE provides:

- Pulse oximetry screening information
- CCHD screening protocols for the well-baby nursery and NICU
- Technical assistance for questions about screening policy or procedure
- Staff and parent education materials
- Information on reporting screening results

If a baby fails his or her pulse oximetry screening, please follow best practices for a newborn with a potentially serious medical problem. **Please contact the Wisconsin SHINE office (608-265-1894) whenever a baby fails pulse oximetry screening or for questions regarding your CCHD screening report.**

Reminders:

- Since July 1, 2015, hospitals are **required** to submit a Newborn Screening Blood Collection form for **every baby born in their facility**. Newborn Screening Blood Collection forms must be completed and submitted regardless of whether blood screening is performed.
- Newborn screening specimens should be collected between 24 and 48 hours after birth. Blood specimens should be sent to the WSLH within 24 hours of collection.
- Instructions for completing the Newborn Screening Blood Collection form are available at the WSLH Newborn Screening website (<http://www.slh.wisc.edu/clinical/newborn/health-care-professionals-guide/how-to-collect-a-blood-specimen/how-to-complete-the-blood-collection-form/>). Cards without blood sample collection will be replaced without charge on a monthly basis. Please contact Dr. Mei Baker at mwbaker@wisc.edu or 608-890-1796 if you have any questions.
- Point-of-care screening (hearing and CCHD) should never delay submitting blood cards to the WSLH. If a baby is not going to be screened for CCHD, the reason should be recorded. Mark the appropriate reason under **Not Screened** on the Newborn Screening Blood Collection form.
- Enter hearing and CCHD screening results directly into WE-TRAC (<https://phin.wisconsin.gov/wetrac/>) even after the blood card has been submitted.
 - **Please do not send hearing or CCHD screening results that were not on the blood sample form to WSLH.**



Newborn Critical Congenital Heart Disease Screening in Wisconsin
April 1 to June 30, 2021

This report is a summary of newborn critical congenital heart disease (CCHD) screening results as submitted by hospitals and out of hospital providers on the Newborn Screening Blood Collection form (blood card) to the Wisconsin State Laboratory of Hygiene (WSLH). CCHD screening by pulse oximetry was added to the Wisconsin Newborn Screening Program's panel of conditions, effective July 3, 2014, as per Wis. Admin. Code § DHS 115.4.

Screening Results include **Pass**, **Fail** and **Unknown**. Not Screened Reasons include **Refused**, **Transferred**, **Deceased**, **Echo Normal**, **Confirmed Heart Disease**, and **Other**. This report is organized by report rates, with the highest rates appearing first. Total report rate includes all babies screened, or not screened but with a reason reported. If you have questions on this report, please contact Kelsey Stevenson at the Department of Health Services at Kelsey.Stevenson@dhs.wisconsin.gov or 608-590-5142. If you have questions on screening protocols or missing results, please contact Andrea Blom at the Wisconsin SHINE Project at adblom@pediatrics.wisc.edu.

Reminder: Point-of-care screening (hearing and CCHD) should never delay submitting blood cards to the WSLH. If CCHD pulse oximetry testing is not done by the time the blood specimen is ready, update the point-of-care screening results in WE-TRAC.

Tips for hospitals when completing blood cards:

- Take a moment to review what is being sent. Did I record everything? Can I read it? Does it make sense?
- Please remember to check Pass or Fail when recording the Pulse Ox Screen Date on the newborn screening card. Cards with date and/or time only will be counted as Missing (No screening information reported).
- Please make all CCHD and hearing screening updates in WE-TRAC.
- **Do not fax CCHD or hearing screening updates to WSLH**

Blood Card Submitter	Reports Received (Screen Result or Reason Not Screened Reported)				Missing (No Information Reported)		Total Records
	Percent	Result	Reason	Total	Missing	Percent	
Amery Regional Medical Center	100.0%	21	0	21	0	0.0%	21
Ascension CSM-Ozaukee	100.0%	117	0	117	0	0.0%	117
Ascension Mercy Hospital-Oshkosh	100.0%	91	2	93	0	0.0%	93
Ascension NE Wisconsin St. Elizabeth	100.0%	298	12	310	0	0.0%	310
Ascension St. Joseph Hosp-Milwaukee	100.0%	404	17	421	0	0.0%	421
Ascension St. Michael's Hospital-Stevens	100.0%	68	2	70	0	0.0%	70
Aspirus Langlade Hospital-Antigo	100.0%	53	0	53	0	0.0%	53
Aspirus Medford Hospital	100.0%	36	0	36	0	0.0%	36
Aspirus Riverview Hospital and Clinics-	100.0%	123	1	124	0	0.0%	124
Aspirus St. Mary's Hospital-Rhineland	100.0%	51	0	51	0	0.0%	51
Aurora Lakeland Medical Center-Elkhorn	100.0%	190	0	190	0	0.0%	190
Aurora Medical Center Bay Area	100.0%	39	0	39	0	0.0%	39
Aurora Medical Center-Kenosha	100.0%	282	4	286	0	0.0%	286



Blood Card Submitter	Reports Received (Screen Result or Reason Not Screened Reported)				Missing (No Information Reported)		Total Records
	Percent	Result	Reason	Total	Missing	Percent	
Aurora Medical Center-Oshkosh	100.0%	201	4	205	0	0.0%	205
Aurora Medical Center-Summit	100.0%	149	3	152	0	0.0%	152
Aurora Medical Center-Two Rivers	100.0%	94	0	94	0	0.0%	94
Aurora Sheboygan Memorial Medical	100.0%	221	4	225	0	0.0%	225
Beaver Dam Community Hospital	100.0%	67	0	67	0	0.0%	67
Bellin Hospital-Green Bay	100.0%	380	7	387	0	0.0%	387
Crossing Rivers Health-Prairie du Chien	100.0%	40	0	40	0	0.0%	40
Fort HealthCare	100.0%	96	0	96	0	0.0%	96
Froedtert Community Memorial Hospital	100.0%	200	1	201	0	0.0%	201
Froedtert South - St. Catherine	100.0%	166	3	169	0	0.0%	169
Grant Regional Health Center-Lancaster	100.0%	22	0	22	0	0.0%	22
Hayward Area Memorial Hospital	100.0%	34	0	34	0	0.0%	34
Holy Family Memorial Medical Center	100.0%	24	0	24	0	0.0%	24
HSHS Sacred Heart Hospital-Eau Claire	100.0%	182	3	185	0	0.0%	185
HSHS St. Nicholas Hospital-Sheboygan	100.0%	60	0	60	0	0.0%	60
HSHS St. Vincent Hospital-Green Bay	100.0%	381	24	405	0	0.0%	405
Marshfield Clinic-Eau Claire Center	100.0%	118	1	119	0	0.0%	119
Marshfield Medical Center-Weston	100.0%	95	1	96	0	0.0%	96
Mayo Clinic Health System-Eau Claire	100.0%	246	11	257	0	0.0%	257
Mayo Clinic Health System-Franciscan La	100.0%	147	3	150	0	0.0%	150
Mayo Clinic Health System-Northland	100.0%	38	1	39	0	0.0%	39
Mayo Clinic Health System-Red Cedar	100.0%	63	3	66	0	0.0%	66
Memorial Medical Center-Ashland	100.0%	48	1	49	0	0.0%	49
Mile Bluff Medical Center-Mauston	100.0%	31	0	31	0	0.0%	31
Monroe Clinic	100.0%	128	1	129	0	0.0%	129
Prairie Ridge Health	100.0%	32	0	32	0	0.0%	32
ProHealth Oconomowoc Memorial	100.0%	83	0	83	0	0.0%	83
ProHealth Waukesha Memorial Hospital	100.0%	403	16	419	0	0.0%	419
Reedsburg Area Medical Center	100.0%	47	0	47	0	0.0%	47
Richland Hospital	100.0%	43	1	44	0	0.0%	44
Sauk Prairie Healthcare	100.0%	113	0	113	0	0.0%	113
Southwest Health Center-Platteville	100.0%	53	0	53	0	0.0%	53
SSM Health St. Mary's Hospital Janesville	100.0%	105	0	105	0	0.0%	105
SSM Health St. Mary's Hospital Madison	100.0%	461	66	527	0	0.0%	527
SSM St. Clare Hospital-Baraboo	100.0%	38	0	38	0	0.0%	38



Blood Card Submitter	Reports Received (Screen Result or Reason Not Screened Reported)				Missing (No Information Reported)		Total Records
	Percent	Result	Reason	Total	Missing	Percent	
	ThedaCare Medical Center-Berlin	100.0%	28	0	28	0	
ThedaCare Medical Center-Shawano	100.0%	38	0	38	0	0.0%	38
ThedaCare Medical Center-Waupaca	100.0%	26	3	29	0	0.0%	29
ThedaCare Regional-Neenah	100.0%	404	30	434	0	0.0%	434
Tomah Health	100.0%	59	1	60	0	0.0%	60
Upland Hills Health	100.0%	66	0	66	0	0.0%	66
Vernon Memorial Healthcare-Viroqua	100.0%	29	0	29	0	0.0%	29
Watertown Regional Medical Center	100.0%	40	0	40	0	0.0%	40
Western Wisconsin Health-Baldwin	100.0%	53	5	58	0	0.0%	58
Westfields Hospital & Clinic-New	100.0%	19	0	19	0	0.0%	19
Ascension Healthcare-Elmbrook	100.0%	92	2	94	0	0.0%	94
Ascension CSM Women's-Milwaukee	99.8%	582	28	610	1	0.2%	611
Unity Point Health Meriter-Madison	99.8%	1,171	125	1,296	3	0.2%	1,299
Marshfield Medical Center	99.6%	223	27	250	1	0.4%	251
ThedaCare Regional Medical Center-	99.6%	232	8	240	1	0.4%	241
St. Agnes Hospital	99.4%	171	2	173	1	0.6%	174
Froedtert St. Joseph's Hospital-West Bend	99.4%	158	1	159	1	0.6%	160
All Saints Hospital -Racine	99.4%	307	10	317	2	0.6%	319
Froedtert & MCW	99.3%	764	96	860	6	0.7%	866
Ascension St. Francis Hospital	99.1%	106	0	106	1	0.9%	107
Aurora BayCare Medical Center-Green	99.0%	395	14	409	4	1.0%	413
Mercyhealth Hospital-Janesville	99.0%	197	5	202	2	1.0%	204
Lakeview Medical Center-Rice Lake	99.0%	95	1	96	1	1.0%	97
Hudson Hospital	98.6%	135	5	140	2	1.4%	142
Gundersen Health System	98.5%	438	9	447	7	1.5%	454
Aspirus Wausau Hospital	98.4%	360	20	380	6	1.6%	386
Aurora West Allis Medical Center	98.4%	812	42	854	14	1.6%	868
Aurora Medical Center-Grafton	98.4%	300	3	303	5	1.6%	308
<i>County Health Departments</i>	98.4%	58	2	60	1	1.6%	61
Marshfield Medical Center-Minocqua	98.3%	55	2	57	1	1.7%	58
Beloit Health System	97.6%	80	2	82	2	2.4%	84
Waupun Memorial Hospital	97.6%	41	0	41	1	2.4%	42
St. Croix Regional Medical Center	97.1%	67	0	67	2	2.9%	69
Black River Memorial Hospital	96.9%	31	0	31	1	3.1%	32
<i>Out of Hospital Providers</i>	96.5%	491	29	520	19	3.5%	539
Divine Savior Healthcare	96.3%	52	0	52	2	3.7%	54





Blood Card Submitter	Reports Received (Screen Result or Reason Not Screened Reported)				Missing (No Information Reported)		Total Records
	Percent	Result	Reason	Total	Missing	Percent	
	Door County Medical Center	96.2%	25	0	25	1	
Aurora Sinai Medical Center	95.5%	523	23	546	26	4.5%	572
Osceola Medical Center	95.5%	21	0	21	1	4.5%	22
Mercyhealth Hospital-Walworth	90.9%	10	0	10	1	9.1%	11
Wisconsin Totals*	99.1%	15,140	690	15,830	140	0.9%	15,970

*Totals include results not reported in the above table, such as those with missing submitter data and non-routine birth facilities.