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### Minutes

### **Meeting Invitees:**

X	Dr. Nicholas Antos		Dr. Evan Kemp	X	Darci Pfeil
X	Dr. Mei Baker		Kristin Kruschel		Jacklyn Schlan
	Dr. Vivek Balasubramaniam		Dr. Jennifer Kwon	X	Erin Seffrood
X	Dr. Christina Barreda		Olivia Lampone	X	Becky Steinmetz
X	Anna Cisler		Alison LaPean-Kirschner	X	Dr. Robert Steiner
	Ellen Compto	X	Dr. Hara Levy		Tammy Summers
X	Kendall Davis	X	Sharon Luu		Tammi Timmler
	Dr. Joshua Freedman		Michelle McDonagh	X	Mary Marcus Walters
	Sumedha Ghate	X	Peggy Modaff		Casey Weise
	Rachael Haupt-Harrington		Dr. Kwabena Osman		Students:
X	Tami Horzewski				

#### Agenda:

### Tuesday, November 19, 10:00 AM – 12:00 PM

Time:	Topic:	Lead:	Follow-up Items:	Notes:	
10:00- 10:05	Welcome and Review of Minutes	Dr. Antos		Motion to approve January 30, 2024 minutes: 1st motion: Peggy Modaff 2nd motion: Dr. Mei Baker Motion approved.	
10:05- 10:15	Department of Health Services (DHS)/ WI State Lab of Hygiene (WSLH)	Tami Horzewski/ Dr. Baker		Tami Horzewski shared the following DHS Update:  • Dr. Steiner is back with the NBS Program part-time in the role of DHS NBS Program Medical Director. He works	



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Updates	primarily on Tuesdays and Thursdays and every other
	Friday.
	The NBS Program is part of the Family Health Section
	(FHS). The new FHS Manager, Leah Eckstein, recently
	started and may join some future meetings.
	•Rulemaking for the NBS blood card fee increase and the
	addition of two conditions to the NBS panel, X-ALD and
	MPS 1, is moving through the process. The legislative
	report was sent to the Governor's Office and addressed
	the comments received during the public
	hearing/comment period. Rulemaking review will resume
	when the legislative session begins around January 2025.
	•A small workgroup of metabolic, neurology, and stem cell
	transplant specialists are currently discussing the work that
	would need to be done in preparation for possible
	screening for Infantile Krabbe Disease, the development of
	a care infrastructure in state, and the possibility of initial
	care out of state. Infantile Krabbe Disease has been
	recently added to the Recommended Uniform Screening
	Panel (RUSP).
	The Title V five year needs assessment for setting
	<ul> <li>The Title V, five year needs assessment for setting priorities for maternal and child health work is</li> </ul>
	priorities for maternal and child health work is



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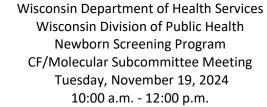
	underway. There were focus groups and a state-wide survey. This information is being analyzed and in December will look at setting priorities for the next 5 years, 2026-2030.  • DHS will be relocating to a new office building. The move is scheduled for fall of 2025.  Dr. Mei Baker shared the following WSLH update:
	<ul> <li>HRSA-23-065: State Newborn Screening Priorities Program (NBS Propel)</li> <li>Specific Aim 1: Expand testing capability to improve laboratory readiness for screening Mucopolysaccharidosis types I and II (MPS I and MPS II), and Guanidinoacetate Methyltransferase (GAMT) deficiency.— Guanidinoacetate assay evaluation is completed.</li> <li>Specific Aim 2: Improve NBS specimen transit time via increasing transparency and effective</li> </ul>
	<ul> <li>communication.—Ongoing</li> <li>Specific Aim 3: Establish a system and a process to monitor spinal muscular atrophy</li> </ul>



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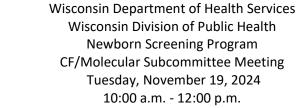
	screening positive infants and assess treatment efficacy. – It is in progress to establish a REDCap-based 5 year SMA follow- up database and associated dashboard  • X-ALD Demonstration Project Implementation  - Total screened newborns: 59,123 (9/20/2023 - 9/19/2024)  - Reported screen positive: 6 male and 8 female  - Confirmed: 5 male (including 1 ZWS) and 5 female  - Other outcomes: 2 false positive (1 male and 1 female)  1 further clinical follow up declined ( known carrier mother)  1 pending (female)  • CAP Self-Inspection
	<ul> <li>The NBS lab underwent a successful Self-CAP inspection on October 30, 2024. No major</li> </ul>





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				testing concerns with minor house-keeping issues  New Staff Member: Sharon Luu started as the NBS Follow-Up Manager on 10/28/2024. She will provide future CF screening summaries for the subcommittee meetings.
10:15 – 10:30	2023 Screening Summary	Dr. Baker		Dr. Baker shared the following 2023 Screening Summary: There were 59,067 newborns screened. Confirmed CF and CRMS – 15 (8 CF/7 CRMS) Confirmed SMA - 6
10:30 – 10:40	CFTR2 updated CFTR variant list	Dr. Baker	?Why not against LTD rule?  Question: Elevated sweat test, call back?	The current CFTR panel has 689 variants and can be expanded to 981 CF-causing variants. Because of the new FDA LDT rules, we cannot change our current 689 variant panel, but we can benefit from the updated list when we reanalyze the CFTR NGS assay results using an existing process. All specimen with top 4% daily IRT undergo 689 CFTR variant panel analysis, and specimens with one variant will further undergo CFTR reanalysis. Only specimens with two CF-causing variants will be reported as CF screening positive.





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					V1 4/2012	V2 7/2013	V3-V13	V14 4/2023	V15 8/2024
				Number of Patients	35,312	39,696		89,052	112,935
				CF-causing	123	175		719	1,085
				Varying Clinical Consequence	15	12		49	55
				Non CF-causing	5	10		25	27
				Unknown Significance	15	6		11	
				Total	158	203		804	1,167
				Discussion: How to do that When?	?				
10:40 – 11:40	New CFF NBS Guidelines and NACFC Updates	Dr. Baker/Dr. Antos/All	Laboratory/clinical/implementation	<ul> <li>Using a whose pathog variant</li> </ul>	ented the formal a floating IR a VHIRT reference variant pant genic variant pant panel that estral group	T cutoff of rral strate el does no s in CFTR achieves	over a fixe egy in CF ot include 2 or does at least 9	ed IRT cut NBS prog all know not have	roff rams rn



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. CENIE	S algorithms should not limit CFTR variant
	- I
	tion to the F508del variant or variants included in
the A	CMG-23
OF NO	
	S programs screen for all pathogenic CFTR
variar	nts as identified by CFTR2
Condi	esting CETD variant agreening twice wealth, or
	ucting CFTR variant screening twice weekly, or
more	frequently as resources allow
• Inclus	ion of a CFTR sequencing tier following IRT and
	variant panel testing to improve the specificity
and p	redictive value of CF NBS
• Roth	the primary care provider and CF specialist be
	ed of abnormal NBS results
noun	ed of abhormal NBS results
Dr. Antos led	the following discussion (see attached slides):
	panel of genes.
	riant recommendation on the panel.
No milit to va	nant recommendation on the panel.
Change in see	wones?
Change in seq	
	e if switching the algorithm.
	included? How?
What to do w	
	t to PCPs (may miss some children going
forward)?	



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				What are the 3 <sup>rd</sup> Tier changes?
				Not have to sweat test carriers.
				Questions – what happens to children who are known
				carriers?
				Are they notified?
				What education is provided?
				What does the report look like?
				If identifying carriers, have educational materials set
				beforehand (parent carrier letter).
				Tami will send out the current CF Carrier fact sheet with the
				draft minutes for everyone to review to determine if it should
				continue to be used and if so, what updates are needed.
				Also, everyone should share any links to resources used and all
				will review proposed external links to determine preferred
				resources to be used.
	Review of Current CF			The subcommittee reviewed the current Genetic Counselor
11:40-	Carrier Fact Sheet & GC List	Tami/All	Please review the fact sheet as well	state representative list and provided update suggestions.
11:50	Documenting Educational	,	as the list of representatives	Tami will send out for review and final suggested edits.
	Resources			Talli viii sella sacioi tevien ana ilia saggestea ealisi
				The subcommittee also reviewed the current subcommittee
				membership/voting members document and made
				suggestions for updates needed.
				Dr. Nancy Bass was suggested to replace Dr. Harmelink for
				SMA discussions. Dr. Harmelink left his position at MCW. Tami



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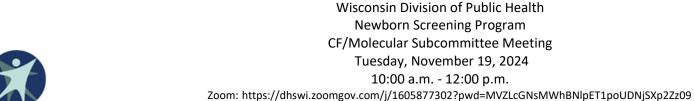
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			will reach out to Dr. Bass to see if she is interested in joining
			the subcommittee.
			Dr. Antos will reach out and invite a parent to join the
			subcommittee as a parent representative.
			Next Meeting Agenda Items:
			Revisit possible SWT TAT project
11.50	Plan Next Meeting/Agenda	Dr.	CF National Indicator Report
11:50	Items	Antos/All	Review & Confirm Subcommittee membership /voting
			members
			Review NBS guidelines, when finalized

**Next meeting date: TBD** 

"Parking Lot" Items:



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Wisconsin Department of Health Services

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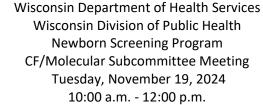
Minutes



### Where we were, and how we got here

 10-year evaluation study of newborn screening showed significant gaps in timeliness and equity in US newborn screening





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- CF clinicians
  - · Meghan McGarry (co-lead author)
  - Philip Farrell
  - Clement Ren
  - Susanna McColley
- General pediatrics
  - Steven Hicks
- Genetic counselor
  - · Karen Raraigh (co-lead author)
- Parents
  - · Cambrey White
  - Karey Padding
  - Faith Shropshire
- Librarian
  - Q. Eileen Wafford

- Public health professionals
  - · Debra Freedenberg
  - M. Christine Dorley
  - · Kathryn Tullis
  - Marci Sontag
- Advisor
  - Jeffrey Brosco (HRSA)
- CFF staff
  - Marissa Taylor
  - Al Faro
  - Runyu Wu
  - Sarah Hempstead
  - Leslie Powell
  - Sarah Webster-Mellon





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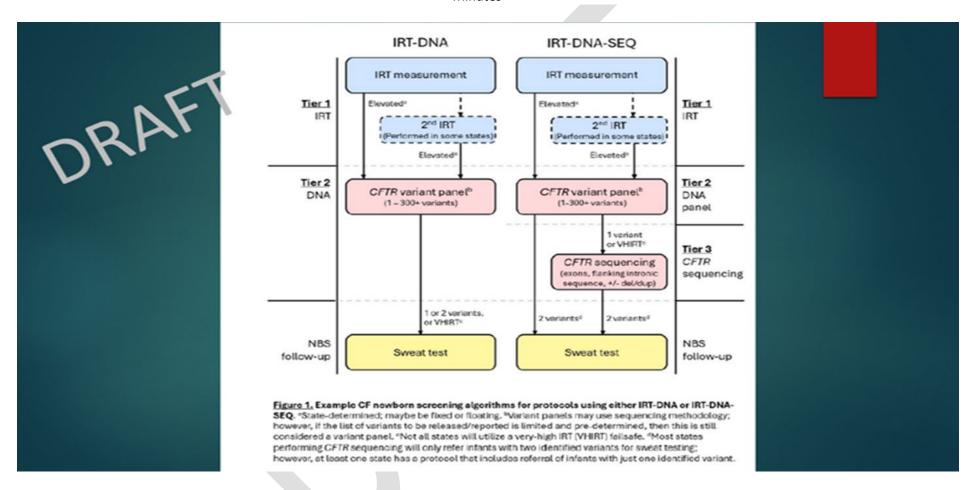


Recommenda	ation	Percentage agreement
mmunoreact	tive Trypsinogen (IRT)	
1	The Cystic Fibrosis Foundation recommends the use of a floating immunoreactive trypsinogen cutoff over a fixed immunoreactive trypsinogen cutoff.	100%
2	The Cystic Fibrosis Foundation recommends using a very high immunoreactive trypsinogen (VHIRT) referral strategy in CF newborn screening programs whose variant panel does not include all known pathogenic variants in CFTR2 or does not have a variant panel that achieves at least 95% sensitivity in all ancestral groups within the state.	100%
FTR Variant	Testing	
3	The Cystic Fibrosis Foundation recommends that cystic fibrosis newborn screening algorithms should not limit CFTR variant detection to the F508del variant or variants included in the ACMG-23.	100%
4	The Cystic Fibrosis Foundation recommends that cystic fibrosis newborn screening programs screen for all pathogenic CFTR variants in CFTR2.	100%
5	The Cystic Fibrosis Foundation recommends conducting CFTR variant screening twice weekly or more frequently as resources allow.	100%
FTR Sequen	cing	
6	The Cystic Fibrosis Foundation recommends the inclusion of a CFTR sequencing tier following IRT and CFTR variant panel testing to improve the specificity and positive predictive value of CF newborn screening.	100%
ommunicati	ion The Control of th	
7	The Cystic Fibrosis Foundation recommends that both the primary care provider and CF specialist be notified of abnormal newborn screening results.	100%



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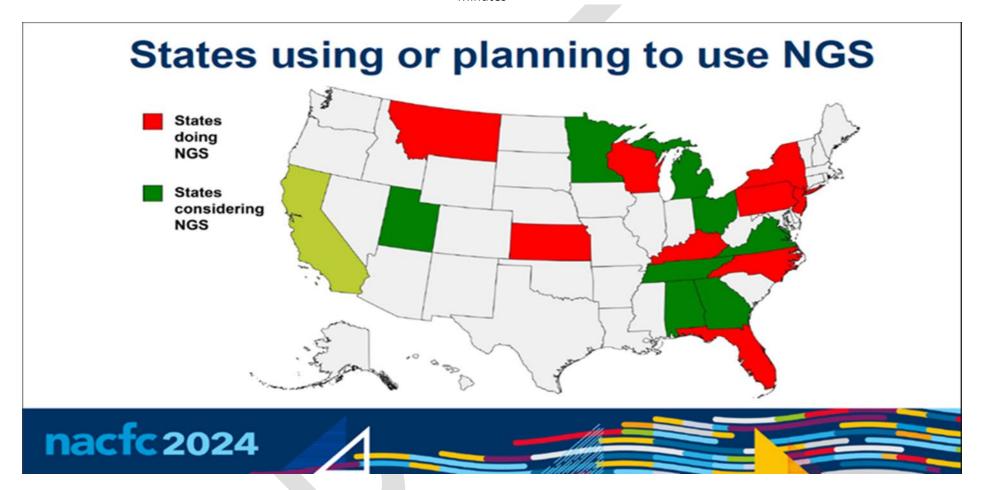
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