



PUBLIC HEALTH

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Newborn Screening Update

Washington State Board of Health
November 4, 2009

Michael Glass, Director, Newborn Screening

Implementing Expanded Screening

“The department shall implement screening to detect ... [the new] amino acid disorders, fatty acid oxidation disorders, and organic acid disorders ... as quickly as feasible and not later than September 2008.”

WAC 246-650-030

Expanded Screening – the First Year

October 1, 2008 – September 30, 2009

Amino acid

Organic acid

Fatty Acid

Diagnostic Referrals	11	39	30
True positive	0	3	2
False negative	1*	0	0

* this child was detected clinically shortly after birth due to an older, affected sibling. Both have a mild form of the disorder ASA.

Expanded Screening – the First Year

Non-targeted disorders

- Detected four ORGANIC ACID disorders.
- Do not meet the Board's criteria to be targeted by newborn screening, some of the infants will benefit from early detection and treatment.

Expanded Screening – the First Year

Summary of the 83,700 infants screened:

Referrals:	80
True positive:	5 Targeted 4 Non-targeted
False negative:	1

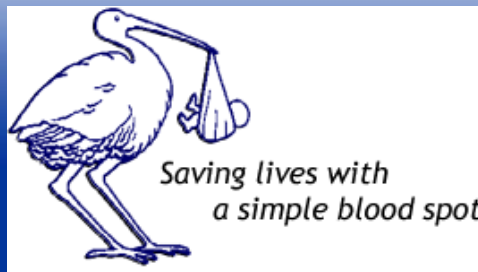
Newborn Screening – What's on the Horizon?

Advisory Committee on Heritable Disorders in Newborns and Children (DHHS)

- SCID – Severe Combined Immuno-Deficiency
- LSD's – Lysosomal Storage Diseases
- Hb H – Hemoglobin H disease (α thalassemia)

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