

**Table 2: Sensitivity and Positive Predictive Value of Newborn Screens for Each Disorder<sup>4</sup>**

Disorder	Abbrev	# Tiers	Sensitivity	Pos Predictive Value (PPV)
<b>Metabolic Disorders</b>				
<b>Amino Acid Disorders</b>				
Phenylketonuria	PKU	1	99%	70%
Maple Syrup Urine Disease	MSUD	2	95%	30%
Citrullinemia	CIT	1	99%	~50%
Argininosuccinic Acidemia	ASA	1	99%	~50%
Homocystinuria/ Hypermethioninemia	Hcy	2	80%	65%
Tyrosinemia, Type I	Tyr I	1	99%	~100%
Guanidinoacetate Methyltransferase Deficiency	GAMT	3	99%	Unknown
<b>Fatty Acid Oxidation Disorders</b>				
Medium-chain AcylCoA Dehydrogenase Deficiency	MCAD	1	99%	70%
Long-chain HydroxyacylCoA Dehydrogenase	LCHAD	1	~95%	90%
Very-long Chain AcylCoA Dehydrogenase Deficiency	VLCAD	1	98%	30%
Carnitine Uptake Deficiency	CUD	1	60%	30%
<b>Organic Acid Disorders</b>				
Propionic Acidemia	PROP	2	98%	75%
Methylmalonic Acidemia	MUT	2	98%	75%
Cobalamin Disorders	Cbl A, B	2	98%	75%
Glutaric Aciduria, Type I	GA I	1	80%	60%
Isovaleric Acidemia	IVA	2	98%	50%
Galactosemia	GALT	1	99%	20%
Cystic Fibrosis	CF	3	95%	15%
<b>Endocrine Disorders</b>				
Congenital Hypothyroidism	CH	1	~90%	50%
Congenital Adrenal Hyperplasia	CAH	2	99%	30%
<b>Hemoglobinopathies (Sickle Cell &amp; Related Disorders)</b>				
Sickle Cell Disease	SCD	1	~99%	~85%