

National Newborn Screening Status Report

Page 1 (Updated 11/02/14)

The U.S. National Screening Status Report lists the status of newborn screening in the United States.

Dot "●" indicates that screening for the condition is universally required by Law or Rule and fully implemented
A = universally offered but not yet required, **B** = offered to select populations, or by request, **C** = testing required but not yet implemented
D = likely to be detected (and reported) as a by-product of MRM screening (MS/MS) targeted by Law or Rule

STATE	Recommended Uniform Screening Panel (RUSP) – 31 Core Conditions ¹ - Continued on p. 2																			
	Metabolic conditions detectable by Tandem Mass Spectrometry (MS/MS)																			
	Fatty Acid Disorders					Organic Acid Disorders								Amino Acid Disorders						
	CUD	LCHAD	MCAD	TFP	VLCAD	GA-I	HMG	IVA	3-MCC	Cbl-A,B	BKT	MUT	PROP	MCD	ASA	CIT	HCY	MSUD	PKU	TYR-1
Alabama	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Alaska	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Arizona	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Arkansas	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
California	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Colorado	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Connecticut	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D. of Columbia	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Delaware	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Florida	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Georgia	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hawaii	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Idaho	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Illinois	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Indiana	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Iowa	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kansas	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Kentucky	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Louisiana	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Maine	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Maryland	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Massachusetts	●	●	●	D	●	●	●	D	●	●	●	●	D	●	●	●	●	●	●	●
Michigan	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Minnesota	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Mississippi	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Missouri	●	●	●	●	●	●	●	D	●	●	●	●	●	●	●	●	●	●	●	●
Montana	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nebraska	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nevada	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
New Hampshire	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
New Jersey	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
New Mexico	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
New York	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
North Carolina	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
North Dakota	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ohio	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Oklahoma	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Oregon	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pennsylvania	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rhode Island	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
South Carolina	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
South Dakota	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tennessee	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Texas	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Utah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vermont	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Virginia	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Washington	●	●	●	●	●	●	●	D	●	●	●	●	●	●	●	●	●	●	●	●
West Virginia	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wisconsin	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wyoming	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Terminology consistent with ACMG report - Newborn Screening: Towards a Uniform Screening Panel and System. Genet Med. 2006; 8(5) Suppl: S12-S252. MS/MS = Tandem mass spectrometer.

Deficiency/Disorder Abbreviations and Names (optional nomenclature)

3-MCC	3-Methylcrotonyl-CoA carboxylase	CUD	Carnitine uptake defect (Carnitine transport defect)	LCHAD	Long-chain L-3- hydroxyacyl-CoA dehydrogenase	PKU	Phenylketonuria/ hyperphenylalaninemia
ASA	Argininosuccinate aciduria	GA-1	Glutaric acidemia type 1	MCAD	Medium-chain acyl-CoA dehydrogenase	PROP	Propionic acidemia (Propionyl-CoA carboxylase)
BKT	Beta ketothiolase (mitochondrial acetoacetyl-CoA thiolase ; short-chain ketoacyl thiolase; T2)	HCY	Homocystinuria (cystathionine beta synthase)	MCD	Multiple carboxylase (Holocarboxylase synthetase)	TFP	Trifunctional protein deficiency
CBL A,B	Methylmalonic acidemias (Vitamin B12 Disorders)	HMG	3-Hydroxy 3- methylglutaric aciduria (3-Hydroxy 3- methylglutaryl-CoA lyase)	MSUD	Maple syrup urine disease (branched-chain ketoacid dehydrogenase)	TYR-1	Tyrosinemia Type 1
CIT I	Citrullinemia type I (Argininosuccinate synthetase)	IVA	Isovaleric acidemia (Isovaleryl-CoA dehydrogenase)	MUT	Methylmalonic Acidemia (methylmalonyl-CoA mutase)	VLCAD	Very long-chain acyl-CoA dehydrogenase



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STATE	31 Recommended Uniform Screening Panel (RUSP) - Core Conditions ¹											Additional Non-RUSP Conditions (Universally required unless otherwise indicated)
	Hearing	Endocrine		Hemoglobin			Other					
	HEAR	CH	CAH	S/S	S/A	S/C	BIO	GALT	CF	CCHD	SCID	
Alabama	●	●	●	●	●	●	●	●	●	●	●	
Alaska	●	●	●	●	●	●	●	●	●	●	●	
Arizona	A	●	●	●	●	●	●	●	●	C	B	
Arkansas	●	●	●	●	●	●	●	●	●	C	●	
California	B	●	●	●	●	●	●	●	●	●	●	
Colorado	A	●	●	●	●	●	●	●	●	●	B	●
Connecticut	●	●	●	●	●	●	●	●	●	C	●	
D.C.	●	●	●	●	●	●	●	●	●	B	●	
Delaware	●	●	●	●	●	●	●	●	●	C	●	
Florida	●	●	●	●	●	●	●	●	●	●	●	
Georgia	A	●	●	●	●	●	●	●	●	C	C	
Hawaii	●	●	●	●	●	●	●	●	●	A	●	
Idaho	A	●	●	●	●	●	●	●	●	B	●	
Illinois	●	●	●	●	●	●	●	●	●	●	●	
Indiana	●	●	●	●	●	●	●	●	●	●	●	
Iowa	●	●	●	●	●	●	●	●	●	●	●	
Kansas	●	●	●	●	●	●	●	●	●	B	●	
Kentucky	B	●	●	●	●	●	●	●	●	●	●	
Louisiana	●	●	●	●	●	●	●	●	●	●	●	
Maine	A	●	●	●	●	●	●	●	●	●	●	
Maryland	●	●	●	●	●	●	●	●	●	●	●	
Massachusetts	●	●	●	●	●	●	●	●	●	●	A	
Michigan	●	●	●	●	●	●	●	●	●	●	●	
Minnesota	●	●	●	●	●	●	●	●	●	●	●	
Mississippi	●	●	●	●	●	●	●	●	●	B	●	
Missouri	●	●	●	●	●	●	●	●	●	●	●	
Montana	●	●	●	●	●	●	●	●	●	C	●	
Nebraska	A	●	●	●	●	●	●	●	●	C	●	
Nevada	B	●	●	●	●	●	●	●	●	C	●	
New Hampshire	A	●	●	●	●	●	●	●	●	●	●	
New Jersey	●	●	●	●	●	●	●	●	●	●	●	
New Mexico	●	●	●	●	●	●	●	●	●	●	B	
New York	B	●	●	●	●	●	●	●	●	●	●	
North Carolina	●	●	●	●	●	●	●	●	●	●	●	
North Dakota	A	●	●	●	●	●	●	●	●	●	B	
Ohio	●	●	●	●	●	●	●	●	●	●	B	
Oklahoma	●	●	●	●	●	●	●	●	●	●	B	
Oregon	B	●	●	●	●	●	●	●	●	●	●	
Pennsylvania	●	●	●	●	●	●	●	●	●	●	B	
Rhode Island	●	●	●	●	●	●	●	●	●	A	●	
South Carolina	●	●	●	●	●	●	●	●	●	●	●	
South Dakota	A	●	●	●	●	●	●	●	●	●	●	
Tennessee	●	●	●	●	●	●	●	●	●	●	●	
Texas	B	●	●	●	●	●	●	●	●	●	●	
Utah	●	●	●	●	●	●	●	●	●	C	●	
Vermont	●	●	●	●	●	●	●	●	●	B	●	
Virginia	●	●	●	●	●	●	●	●	●	C	●	
Washington	A	●	●	●	●	●	●	●	●	A	●	
West Virginia	●	●	●	●	●	●	●	●	●	●	●	
Wisconsin	●	●	●	●	●	●	●	●	●	●	●	
Wyoming	●	●	●	●	●	●	●	●	●	B	●	

¹Terminology consistent with ACMG report - Newborn Screening: Towards a Uniform Screening Panel and System. Genet Med. 2006; 8(5) Suppl: S12-S252

²Newborn screened for HIV only if mother was not screened during pregnancy

RUSP Core Conditions/Abbreviations and Names

BIO	Biotinidase	CF	Cystic fibrosis	GALT	Transferase deficient galactosemia (Classical)	Hb S/C	Sickle - C disease	HEAR	Hearing screening
CAH	Congenital adrenal hyperplasia	CH	Congenital hypothyroidism	Hb S/S	Sickle cell anemia	Hb S/A	S-βeta thalassemia	SCID	Severe Combined Immune Deficiency
CCHD	Critical Congenital Heart Disease								

Additional non-RUSP Conditions

5-OXO	5-oxoprolinuria (pyroglutamic aciduria)	ALD	Adrenoleukodystrophy	CPS	Carbamoylphosphate synthetase
EMA	Ethylmalonic encephalopathy	G6PD	Glucose-6-phosphate dehydrogenase	HHH	Hyperammonemia/ornithinemia/ citrullinemia (Ornithine transporter defect)
HIV	Human immunodeficiency virus	MPS-I	Mucopolysaccharidosis type I (Hurler Syndrome)	MPS-II	Mucopolysaccharidosis type II
NKH	Nonketotic hyperglycinemia	PRO	Prolinemia	TOXO	Toxoplasmosis

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STATE	25 RUSP Secondary Target Conditions ¹																									
	Fatty Acid Disorders							Organic Acid Disorders						Amino Acid Disorders						Other Metabolic		Hb				
	CACT	CPT-Ia	CPT- II	DE-RED.	GA-II	MCKAT	M/SCHAD	SC AD	2M3HBA	2MBG	3MGA	Cbl-C,D	IBG	MAL	ARG	BIOPT-BS	BIOPT-REG	CIT-II	H-PHE	MET	TYR- II	TYR- III	GALE	GALK	Variant Hbs	
Alabama	●	●	●		●			●	●	●	●				●	●	●	●	●	●	●			●		
Alaska	●	●	●		●		●	●	●	●	●	●	●		●	B	B		●	●	●	D	D	B	B	●
Arizona	D	D	D		D			D		D	D						D	D			D	D			D	
Arkansas	●	●	●		●			●	●	●	●	●	●		●	●	●	●	●	●	●				●	
California	●	●	●		●		●	●	●	●	●	●	●		●	●	●	●	●	●	●				●	
Colorado	●	●	●		●		●	●	●	●	●	●	●		●	●	●	●	●	●	●				●	
Connecticut	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●	●	●	●	●				●	
D. of Columbia	●	●	●	●	●	●	●	●	●	●	●	●	●		●	A	A	●	●	●	●	●	●	●	●	
Delaware	●	●	●		●	D		●	D	D	D	●	●		●	D	D	●	●	●	●	●	●	●	●	
Florida	●	●	●		●			D	D	D	D	D	D		●	D		D	●	D	●	D			●	
Georgia	D	D	D		D	D	D	D	D	D	D	D	D		A			D	D	D	D	D	B	B	●	
Hawaii	●	●	●		●			●	●	●	●	●	●		●	B	B	●	●	●	●		B	B	●	
Idaho	●	●	●		●			●	●	●	●	●	●		●	B	B	●	●	●	●		B	B	●	
Illinois	●	D	●	D	●	D	●	●	●	●	●	●	●		●	D	D	D	●	●	●	●			●	
Indiana	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●			●	
Iowa	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●			●	
Kansas																			●						●	
Kentucky	A	A	A		A		●	A	A	A	A	A	A		A	D	D	A	●	A	A	A			●	
Louisiana																			●						●	
Maine	D	D	●		●		●		D	D	●	D			●			●	D	●	D		●	●	●	
Maryland	●	●	●	●	●	●	●	●	●	●	●	●	●		●	B	B	●	●	●	●	●	●	●	●	
Massachusetts	D	D	A	A	D	D	A	D	D	D	●	D	A		●	D	D	A	D	D	D	D	D	D	D	
Michigan	●	●	●	●	●	●	●	●	●	●	●	●	D		●	●	●	●	●	●	●	●	●	●	●	
Minnesota	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Mississippi	●	●	●	A	●	A	●	A	●	●	●	●	●		●	A	A	●	●	●	●	A	●	●	●	
Missouri	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Montana	D		D	D	D	D	D	D	D	D	D	D			D	D	D	D	D	D	D				●	
Nebraska	D	D	D	D	D	D	D	D	D	D	D	D	D		D	D	D	D	●	D	D	D	●	●	●	
Nevada	●	●	●		●		●		●	●	●	●	●		●	B	B	●	●	●	●		B	B	A	
New Hampshire	D	D	●		●		●		D	D	D				●	D	D	D	D	●	●		●	●	●	
New Jersey	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
New Mexico	A	D	A		A		A	D	D	A	A	D	D		D	B	B	A	A	A	A	D	B	B	●	
New York	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	
North Carolina	●	●	●		●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
North Dakota	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Ohio	●	●	●		●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Oklahoma	●	●	●		●	D		●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Oregon	●	D	●		●		●	D	D	●	●	D	D		D	B	B	●	●	●	●	D	B	B	●	
Pennsylvania	B	B	B	B	B		B	B	B	B	B	B	B		B	B	B	B	●	B	B	B	●	●	●	
Rhode Island		D																	●				●	●	●	
South Carolina	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
South Dakota	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Tennessee	●	●	●	●	●	D	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Texas	D	D	D	C	D	C	C	D	D	D	D	C	C		C	D	D	D	●	D	D	D	●	●	●	
Utah	●	●	●		●	D	●	●	●	D	●	●	D		●	●	●	●	●	●	●	●	●	●	●	
Vermont	D	D	D		D				D	D	●				D			●	D	D	D	●	●	●		
Virginia	D	D	D		D	D		D	D	D	D				D	D	D	D	D	D	D	D	D	D	●	
Washington	D		D		D	D		D	D	D	D				D	D	●	D	D						●	
West Virginia	D	D	D	D	D	D	D	D	D	D	D	D	D		D	D	D	D	●	D	D	D	●	●	●	
Wisconsin	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	
Wyoming	●	●	●		●		●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	

¹Terminology consistent with ACMG report - Newborn Screening: Towards a Uniform Screening Panel and System. Genet Med. 2006; 8(5) Suppl: S12-S252

Deficiency/Disorder Abbreviations and Names (optional nomenclature)

2M3HBA	2-Methyl-3-hydroxy butyric aciduria	CACT	Carnitine acylcarnitine translocase	GA-II	Glutaric acidemia Type II	MAL	Malonic acidemia (Malonyl-CoA decarboxylase)
2MBG	2-Methylbutyryl-CoA dehydrogenase	CBL-C,D	Methylmalonic acidemia (Cbl C,D)	GALE	Galactose epimerase	MCKAT	Medium-chain ketoacyl-CoA thiolase
3MGA	3-Methylglutaconic aciduria	CIT-II	Citrullinemia Type II	GALK	Galactokinase	MET	Hypermethioninemia
ARG	Argininemia (Arginase deficiency)	CPT-Ia	Carnitine palmitoyltransferase I	H-PHE	Benign hyperphenylalaninemia	SCAD	Short-chain acyl-CoA dehydrogenase
BIOPT-BS	Defects of bipterin cofactor biosynthesis	CPT-II	Carnitine palmitoyltransferase II	IBG	Isobutyryl-CoA dehydrogenase	TYR-II	Tyrosinemia type II
BIOPT-REG	Defects of bipterin cofactor regeneration	De-Red	Dienoyl-CoA reductase	M/SCHAD	Medium/Short chain L-3-hydroxy acyl-CoA dehydrogenase	TYR-III	Tyrosinemia type III