

| Medical Condition | Incidence |
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| Organic Acid Disorders | |
| Propionic acidemia (PA)* | 1 per 271,000 |
| Methylmalonic acid(MMA)* | 1 per 95,000 |
| Isovaleric acidemia (IVA) | 1 per 148,000 |
| 3-methylcrotonyl CoA carboxylase deficiency (3MCC) | 1 per 51,000 |
| 3-hydroxy-3-methylglutaryl CoA lyase deficiency (HMG) | Rare, less than 1 per 300,000 |
| Multiple carboxylase deficiency (MCD) | Rare, less than 1 per 300,000 |
| Beta-ketothiolase deficiency (BKT) | Rare, less than 1 per 1 million |
| 2-methyl-3-hydroxybutyryl CoA dehydrogenase deficiency (2M3HBA) | Rare, less than 1 per 1 million |
| Glutaric acidemia, type 1 (GA-1) | 1 per 85,000 |
| Malonic acidemia (MAL) | Rare, less than 1 per 300,000 |
| Isobutyryl-CoA dehydrogenase deficiency (IBD) | Rare, less than 1 per 300,000 |
| 2-methylbutyryl CoA dehydrogenase deficiency (2MBC) | 1 per 181,000 (Hmong have higher incidence) |
| 3-methylglutaconyl CoA hydratase deficiency (3MGH) | Rare, less than 1 per 1.3 million |
| Fatty Acid Oxidation Disorders | |
| Carnitine uptake deficiency (CUD) | 1 per 116,000 |
| Medium chain acyl-CoA dehydrogenase deficiency (MCAD) | 1 per 19,000 |
| Very long chain acyl-CoA dehydrogenase deficiency (VLCAD) | 1 per 62,500 |
| Long chain 3 hydroxyacyl-CoA dehydrogenase deficiency (LCHAD) | 1 per 541,000 |
| Trifunctional protein deficiency (TFP) | Very rare. Incidence unknown |

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| Short chain acyl-CoA dehydrogenase deficiency (SCAD) | 1 per 81,000 |
| Glutaric acidemia type II, also known as Multiple acyl-CoA dehydrogenase deficiency (MADD) | 1 per 541,000 |
| Carnitine palmitoyl transferase deficiency, type I (CPT-I) | 1 per 812,000 |
| Carnitine palmitoyl transferase deficiency, type II (CPT-II) | 1 per 400,000 |
| Carnitine acylcarnitine translocase deficiency (CACT) | Very rare. Incidence unknown. |
| Amino Acid Disorders | |
| Argininosuccinate lyase deficiency (Argininosuccinic aciduria; ASA) | 1 per 125,000 |
| Citrullinemia, type I (CIT) | 1 per 325,000 |
| Maple syrup urine disorder (MSUD) | 1 per 271,000 |
| Homocystinuria (HCY) | 1 per 203,000 |
| Phenylketonuria (PKU) | 1 per 28,500 |
| Tyrosinemia, type I | 1 per 812,000 |
| Tyrosinemia, type II and type III | 1 per 652,000 |
| Arginase deficiency (ARG) | 1 per 1.6 million |
| Endocrine Disorders | |
| Primary congenital hypothyroidism | 1 per 2,300 |
| Congenital adrenal hyperplasia (CAH) | 1 per 12,700 |
| Pulmonary Disorders | |
| Cystic fibrosis (CF) | 1 per 6,500 |
| Other Metabolic Disorders | |
| Biotinidase deficiency | 1 per 1.05 million |
| Classic galactosemia (GALT) | 1 per 95,000 |

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| Hemoglobin Disorders | |
| Sickle cell disease | 1 per 10,000 (1 per 365 in Black or African Americans) |
| Immunology Disorders | |
| Severe combined immunodeficiency (SCID) | 1 per 50,000 to 1 per 100,000 |
| Lysosomal Storage Disorders | |
| Pompe (glycogen storage disease Type II) | 1 per 28,000 |
| Mucopolysaccharidosis Type I (MPS I) | Between 1 per 87,000 and 1 per 185,000 |
| Fabry | Between 1 per 1,500 and 1 per 13,000 |
| Gaucher | 1 per 57,000 |
| Infantile Krabbe Disease | 1 per 100,000 to 250,000 |
| Other Conditions | |
| Spinal muscular atrophy (SMA) | 1 per 11,000 |
| X-linked adrenoleukodystrophy (X-ALD) | 1 per 4,845 |

Newborn bloodspot screening may identify other related medical conditions that are not listed above. It is within the discretion of an infant's health care provider and parents or legal guardians to determine what, if any, medical follow-up is needed in these circumstances.