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| **Unique ID** |
| Date of Birth |
| Birthweight |
| Weight at Specimen Collection |
| Gestational Age |
| Plurality (Twin, Triplet, etc.) |
| Race |
| Ethnicity |
| Sex |
| Birth Procedure |
| Transfusion |
| Transfusion date |
| Infant Steroids |
| Infant Antibiotics |
| Feeding status (e.g., breast, soy, formula, etc.) |
| TPN (Y/N) |
| NICU Status (Y/N) |
| Adoption Status (Y/N) |
| Zip Code at Residence |
| Deceased Date (if applicable) |
| Deceased Cause (if applicable) |
| Birth Defects present (Y/N) |

CDC estimates the average public reporting burden of this collection of information as 1 minute per response, including the time for reviewing instructions, searching existing data sources, gathering, and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office; 1600 Clifton Road NE, MS D-74 Atlanta, Georgia 30333; ATTN: PRA (0920-xxxx).

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| Maternal Birthdate |
| Maternal Antibiotics |
| Maternal Medications |
| Maternal Steroid Administration |
| Race (Mother) |
| Ethnicity (Mother) |
| Race (Father) |
| Ethnicity (Father) |
| Education (Mother) |
| Education (Father) |
| Age (Mother) |
| Age (Father) |
| Residental Zip Code(s) |

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| Humidity |
| Temperature |
| Altitude |
| Hematocrit |
| Specimen Number |
| Collection Source (heelstick, venipuncture) |
| Specimen Age at receipt by lab |
| Age of infant at time of collection |
| Day of Collection |
| Time of Collection |
| Filter Paper Lot Number |
| Specimen Quality (unsat or valid) |

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| Instrument Used |  |
| Sequencing Methodology (e.g., Sanger v NGS) |
| Regions of Gene analyzed |
| PT Data |
| QC Data |
| Variant Interpretations (done through Hub?) |
|  |
| **Variant Data from the Following NBS Disorder Genes (if applicable)** | **Disease** |
| *ABCD1* | X-linked Adrenoleukodystrophy |
| *ABCD4* | Methylmalonic acidemia and Homocystinuria |
| *ACAD8* | Isobutyryl-CoA dehydrogenase deficiency |
| *ACADM* | Medium-chain acyl-CoA dehydrogenase deficiency |
| *ACADS* | Short-chain acyl-CoA dehydrogenase deficiency |
| *ACADSB* | Short branched-chain acyl-CoA dehydrogenase deficiency |
| *ACADVL* | Very long-chain acyl-CoA dehydrogenase deficiency |
| *ACAT1* | Beta-ketothiolase deficiency |
| *ACSF3* | Combined Malonic and methylmalonic acidemia |
| *ADA* | Severe Combined Immune Deficiency/Primary Immune |
| *AHCY* | Hypermethioninemia |
| *AK2* | Severe Combined Immune Deficiency/Primary Immune |
| *ARG1* | Arginase Deficiency |
| *ARSA* | Metachromatic Leukodystrophy |
| *ASL* | Arginosuccinic Aciduria |
| *ASS1* | Citrullinemia |
| *ATM* | Ataxia Telangiectasia |
| *AUH* | 3-methylglutaconyl-CoA hydratase deficiency |
| *BCKDHA* | Maple Syrup Urine Disease |
| *BCKDHB* | Maple Syrup Urine Disease |
| *BLNK* | Severe Combined Immune Deficiency/Primary Immune |
| *BTD* | Biotindase Deficiency |
| *BTK* | Severe Combined Immune Deficiency/Primary Immune |
| *CBS* | Homocystinuria |
| *CD247* | Severe Combined Immune Deficiency/Primary Immune |
| *CD45* | Severe Combined Immune Deficiency/Primary Immune |

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| *CD3D* | Severe Combined Immune Deficiency/Primary Immune |
| *CD3E* | Severe Combined Immune Deficiency/Primary Immune |
| *CD3G* | Severe Combined Immune Deficiency/Primary Immune |
| *CD3Z* | Severe Combined Immune Deficiency/Primary Immune |
| *CD40LG* | Severe Combined Immune Deficiency/Primary Immune |
| *CFTR* | Severe Combined Immune Deficiency/Primary Immune |
| *CHD7* | Severe Combined Immune Deficiency/Primary Immune |
| *CORO1A* | Severe Combined Immune Deficiency/Primary Immune |
| *CPS1* | Carbamoyl phosphate synthetase I deficiency |
| *CPT1A* | Carnitine palmitoyltransferase I deficiency |
| *CPT2* | Carnitine palmitoyltransferase II deficiency |
| *CYP21A2* | Congenital Adrenal Hyperplasia |
| *DBT* | Maple Syrup Urine Disease |
| *DCLRE1C* | Severe Combined Immune Deficiency/Primary Immune |
| *DKC1* | Severe Combined Immune Deficiency/Primary Immune |
| *DMD* | Duchenne Muscular Dystrophy |
| *DOCK2* | Severe Combined Immune Deficiency/Primary Immune |
| *DOCK8* | Severe Combined Immune Deficiency/Primary Immune |
| *ETFA* | Glutaric Acidemia II |
| *ETFB* | Glutaric Acidemia II |
| *ETFDH* | Glutaric Acidemia II |
| *FAH* | Tyrosinemia |
| *FOXN1* | Severe Combined Immune Deficiency/Primary Immune |
| *G6PD* | Glucose 6 Phosphate Dehydrogenase Deficiency |
| *GAA* | Pompe disease |
| *GALC* | Krabbe disease |
| *GALE* | Galactosemia (epimerase) |
| *GALK1* | Galactosemia (kinase) |
| *GALT* | Galacosemia |
| *GAMT* | Guanidinoacetate methyltransferase deficiency |
| *GATA2* | Severe Combined Immune Deficiency/Primary Immune |
| *GBA* | Gaucher disease |
| *GCDH* | Glutaric ACidemia I |
| *GCH1* | Tetrahydrobiopterin deficiency |

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| *GLA* | Fabry disease |
| *GNMT* | Hypermethioninemia |
| *GPHN* | Molybdenum cofactor deficiency |
| *HADH* | 3-hydroxyacyl-CoA dehydrogenase deficiency |
| *HADHA* | Long-chain acyl-CoA dehydrogenase deficiency |
| *HADHB* | Long-chain acyl-CoA dehydrogenase deficiency |
| *HBA1* | Alpha thalassemia |
| *HBA2* | Alpha thalassemia |
| *HBB* | Beta thalassemia |
| *HCFC1* | Methylmalonic acidemia with homocystinuria |
| *HLCS* | Holocarboxylase synthetase deficiency |
| *HMGCL* | 3-hydroxy-3-methylglutaryl-CoA lyase deficiency |
| *HPD* | Tyrosinemia |
| *HSD17B10* | HSD10 disease |
| *IDS* | Mucopolysaccharidosis, Type II |
| *IDUA* | Mucopolysaccharidosis, Type I |
| *IGHM* | Severe Combined Immune Deficiency/Primary Immune |
| *IL2RG* | Severe Combined Immune Deficiency/Primary Immune |
| *IL7R* | Severe Combined Immune Deficiency/Primary Immune |
| *IVD* | Isovaleric acidemia |
| *JAK3* | Severe Combined Immune Deficiency/Primary Immune |
| *LIG4* | Severe Combined Immune Deficiency/Primary Immune |
| *LMBRD1* | Methylmalonic acidemia with homocystinuria |
| *MAT1A* | Hypermethioninemia |
| *MCCC1* | 3-methylcrotonyl-CoA carboxylase deficiency |
| *MCCC2* | 3-methylcrotonyl-CoA carboxylase deficiency |
| *MCEE* | Methylmalonic acidemia |
| *MMAA* | Methylmalonic acidemia |
| *MMAB* | Methylmalonic acidemia |
| *MMACHC* | Methylmalonic acidemia with homocystinuria |
| *MMADHC* | Methylmalonic acidemia with homocystinuria |
| *MMUT* | Methylmalonic acidemia |
| *MOCS1* | Molybdenum cofactor deficiency |
| *MOCS2* | Molybdenum cofactor deficiency |

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| *MTHFR* | Homocystinuria |
| *MTHFD1* | Severe Combined Immune Deficiency/Primary Immune |
| *MTR* | Severe Combined Immune Deficiency/Primary Immune |
| *MTRR* | Homocystinuria |
| *NAGS* | N-acetylglutamate synthase deficiency |
| *NBN* | Severe Combined Immune Deficiency/Primary Immune |
| *NHEJ1* | Severe Combined Immune Deficiency/Primary Immune |
| *NPC1* | Niemann-Pick disease |
| *NPC2* | Niemann-Pick disease |
| *OTC* | Ornithine transcarbamylase deficiency |
| *PAH* | Phenylketonuria |
| *PCBD1* | Tetrahydrobiopterin deficiency |
| *PCCA* | Propionic acidemia |
| *PCCB* | Propionic acidemia |
| *PEX1* | Zellweger spectrum disorder |
| *PEX10* | Zellweger spectrum disorder |
| *PEX11B* | Zellweger spectrum disorder |
| *PEX12* | Zellweger spectrum disorder |
| *PEX13* | Zellweger spectrum disorder |
| *PEX14* | Zellweger spectrum disorder |
| *PEX16* | Zellweger spectrum disorder |
| *PEX19* | Zellweger spectrum disorder |
| *PEX2* | Zellweger spectrum disorder |
| *PEX26* | Zellweger spectrum disorder |
| *PEX3* | Zellweger spectrum disorder |
| *PEX5* | Zellweger spectrum disorder |
| *PEX6* | Zellweger spectrum disorder |
| *PNP* | Severe Combined Immune Deficiency/Primary Immune |
| *PRKDC* | Severe Combined Immune Deficiency/Primary Immune |
| *PTPRC* | Severe Combined Immune Deficiency/Primary Immune |
| *PTS* | Tetrahydrobiopterin deficiency |
| *QDPR* | Tetrahydrobiopterin deficiency |
| *RAC2* | Severe Combined Immune Deficiency/Primary Immune |
| *RAG1* | Severe Combined Immune Deficiency/Primary Immune |

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| *RAG2* | Severe Combined Immune Deficiency/Primary Immune |
| *RMRP* | Severe Combined Immune Deficiency/Primary Immune |
| *SLC22A5* | Primary carnitine deficiency |
| *SLC25A13* | Citrullinemia |
| *SLC25A20* | Carnitine-acylcarnitine translocase deficiency |
| *SLC46A1* | Severe Combined Immune Deficiency/Primary Immune |
| *SMN1* | Spinal Muscular Atrophy |
| *SMN2* | Spinal Muscular Atrophy |
| *SMPD1* | Niemann-Pick disease |
| *STAT5B* | Severe Combined Immune Deficiency/Primary Immune |
| *TAT* | Tyrosinemia |
| *TBX1* | Severe Combined Immune Deficiency/Primary Immune |
| *WAS* | Severe Combined Immune Deficiency/Primary Immune |
| *ZAP70* | Severe Combined Immune Deficiency/Primary Immune |

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| Instrument Used |
| PT Data |
| QC Data |
| State Screening cutoffs/algorithm for each analyte |
| Daily Mean or Median or analytes |
| Outlier in uploaded analyte data |
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| **Biochemical Analytes (if applicable)** |
| 11-Deoxycortisol |
| 17 α-Hydroxyprogesterone |
| 20:0-Lysophosphatidylcholine |
| 21-Deoxycortisol |
| 22:0-Lysophosphatidylcholine |
| 24:0-Lysophosphatidylcholine |
| 26:0-Lysophosphatidylcholine |
| 2-Methylcitric Acid |
| 3-Hydroxyisovalerylcarnitine |
| 4-Androstenedione |
| 7-alpha, 12-alpha-dihydroxy-4-cholesten-3-one |
| Acetylcarnitine |
| Acid Sphingomyelinase |
| Acid α-Glucosidase |
| Adenosine |
| Alanine |
| Alloisoleucine |
| Arginine |
| Argininosuccinic acid |
| Arylsulfatase B |
| Biotinidase |
| Butyrylcarnitine |
| C18:0-sulfatide |
| C3DC+C4OH |
| Cholestane-3-beta, 5-alpha, 6-beta-triol |

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| Citrulline |
| Cortisol |
| Creatine |
| Creatine Kinase MM dimere |
| Creatinine |
| Decadienoylcarnitine |
| Decanoylcarnitine |
| Decenoylcarnitine |
| Deoxyadenosine |
| Dermatan Sulfate |
| Dodecanoylcarnitine |
| Dodecanoylcarnitine |
| Ethylmalonic Acid |
| Free Carnitine |
| Galactocerebrosidase |
| Galactose-1-phosphate Uridyltransferase |
| Galactose-6-sulfate sulfatase |
| Glucose-6-phosphate Dehydrogenase |
| Glutamine |
| Glutarylcarnitine |
| Glycine |
| Guanidinoacetic Acid |
| Heparan Sulfamidase |
| Heparan Sulfate |
| Heparan-α-glucosaminide N-acetyltransferase |
| Hexanoylcarnitine |
| Hyaluronidase |
| Hydroxybutyrylcarnitine [derivatized] |
| Hydroxypalmitoylcarnitine |
| Hydroxystearoylcarnitine |
| Iduronate 2-sulfatase |
| Immunoreactive Trypsinogen |
| Isoleucine |
| Isovalerylcarnitine |

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| Keratin Sulfate |
| Leucine |
| Linoleoylcarnitine |
| Low Acetylcarnitine |
| Low Free Carnitine |
| Lyso-Gb3 |
| Malonic Acid |
| Malonylcarnitine [derivatized] |
| Methionine |
| Methylmalonic Acid |
| Myristoylcarnitine |
| N-acetylgalactosamine-4-sulfatase |
| N-acetylglucosamine 6-sulfatase |
| N-acetylglucosaminidase |
| N-acetyl-tyrosine |
| Octanoylcarnitine |
| Octenoylcarnitine |
| Oleoylcarnitine |
| Ornithine |
| Orotic Acid |
| Palmitoylcarnitine |
| Phenylalanine |
| Propionylcarnitine |
| Psychosine |
| Stearoylcarnitine |
| Succinylacetone |
| Taurochenodeoxycholic acid |
| Tetradecenoylcarnitine |
| Tetradecenoylcarnitine |
| Tetrol-glucuronide |
| Thyroid-Stimulating Hormone |
| Thyroxine |
| Tiglylcarnitine |
| Total Galactose |

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| Total Homocysteine |
| Tripeptidyl peptidase |
| Tyrosine |
| Valine |
| α-Galactosidase |
| α-L-Iduronidase |
| α-N-acetylgalactosamine 6-sulfatase |
| β-galactosidase |
| β-Glucocerebrosidase |
| β-glucuronidase |

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| Dates of diagnostic labs |
| Analyte values of diagnostic labs |
| Analyte cut-offs/reference range of diagnostic labs |
| Diagnostic molecular results |
| Diagnostic assay(s) done |
| Final Outcome (TP, FP, FN, etc.) |
| Diagnostic Test Result Interpretation |
| Diagnostic SNOMED Code |
| Diagnostic ICD10 Code |
| NewSteps Diagnosis with degree of confidence (e.g.,definite, probable, possible) |
| Prenatal Testing Results |
| Treatment(s) Administered |
| Treatment prior to diagnostic labs (Y/N) |