

## Newborn Screening Disorders

All infants born in Michigan are screened for fifty disorders

### Amino Acid Disorders

1. Argininemia
2. Argininosuccinic acidemia
3. Citrullinemia
4. Citrullinemia type II
5. Homocystinuria
6. Hypermethioninemia
7. Maple syrup urine disease (MSUD)
8. Phenylketonuria (PKU)
9. Benign hyperphenylalaninemia defect
10. Biotpterin cofactor biosynthesis defect
11. Biotpterin cofactor regeneration defect
12. Tyrosinemia type I

### Fatty Acid Oxidation Disorders

13. Carnitine acylcarnitine translocase deficiency
14. Carnitine palmitoyl transferase I deficiency
15. Carnitine palmitoyl transferase II deficiency
16. Carnitine uptake defect
17. Dienoyl-CoA reductase deficiency
18. Glutaric acidemia type II
19. Long-chain L-3-hydroxy acyl-CoA dehydrogenase deficiency
20. Medium/short-chain L-3-hydroxy acyl-CoA dehydrogenase deficiency
21. Medium-chain acyl-CoA dehydrogenase deficiency
22. Medium-chain ketoacyl-CoA thiolase deficiency
23. Short-chain acyl-CoA dehydrogenase deficiency
24. Trifunctional protein deficiency
25. Very long-chain acyl-CoA dehydrogenase deficiency

### Organic Acid Disorders

26. 2-Methyl-3-hydroxy butyric aciduria
27. 2- Methylbutyryl-CoA dehydrogenase deficiency
28. 3-Hydroxy 3-methylglutaric aciduria
29. 3-Methylcrotonyl-CoA carboxylase deficiency
30. 3-Methylglutaconic aciduria
31. Beta-ketothiolase deficiency
32. Glutaric acidemia type I
33. Isobutyryl-CoA dehydrogenase deficiency
34. Isovaleric acidemia
35. Malonic acidemia
36. Methylmalonic academia (Cbl A,B)
37. Methylmalonic academia (Cbl C,D)
38. Methylmalonic acidemia (Mutase deficiency)
39. Multiple carboxylase deficiency
40. Propionic acidemia

### Endocrine Disorders

41. Congenital adrenal hyperplasia (CAH)
42. Congenital hypothyroidism (CH)

### Hemoglobinopathies

43. S/Beta thalassemia
44. S/C disease
45. Sickle cell anemia
46. Variant hemoglobinopathies

### Other Disorders

47. Biotinidase deficiency
48. Cystic Fibrosis
49. Galactosemia

### 50. Hearing