



# Early On<sup>®</sup> Michigan Established Conditions

Established conditions indicate automatic eligibility for *Early On* supports and services. Established conditions must be **diagnosed** by an appropriate health care or mental health provider and documented in a medical or other record (i.e., a Child Abuse Prevention and Treatment Act (CAPTA) referral that references a medical diagnosis). Conditions include **but are not limited to**, the following:

## 1. **Congenital Anomalies**

### 1.1. Central Nervous System

- Agenesis of the corpus callosum
- Holoprosencephaly
- Hydrocephalus w/o spina bifida
- Microcephalus
- Spina bifida w/o anencephaly

### 1.2. Eye, Ear, Face, and Neck

- Craniofacial syndromes such as:
  - Pierre Robin sequence
  - Treacher Collins syndrome
- Anophthalmos
- Anotia/microtia
- CHARGE syndrome
- Congenital cataract
- Craniosynostosis
- Microphthalmos

### 1.3. Heart and Circulatory System

- Aortic valve atresia and stenosis
- Coarctation of aorta
- Hypoplastic left heart
- Patent ductus arteriosus (PDA)
- Tetralogy of Fallot
- Other serious congenital heart defects

### 1.4. Respiratory System

- Choanal atresia
- Diaphragmatic hernia
- Lung agenesis-hypoplasia

### 1.5. Cleft Lip & Palate

- Cleft palate w/o cleft lip
- Cleft lip w/ and w/o cleft palate

### 1.6. Digestive System

- Esophageal atresia/tracheoesophageal fistula
- Gastroschisis
- Hirschsprung's disease
- Omphalocele
- Pyloric stenosis

### 1.7. Genital & Urinary Organs

- Hypospadias and epispadias
- Renal agenesis

### 1.8. Musculoskeletal System

- Achondroplasia
- Arthrogryposis
- Congenital hip dislocation
- Lower limb reduction deformities
- Upper limb reduction deformities
- Other congenital anomalies of the musculoskeletal system

### 1.9. Other and Unspecified

- Bardet-Biedl syndrome
- Fragile X syndrome

## 2. **Chromosomal Anomalies**

- Angelman syndrome
- Cri-du-Chat syndrome
- DiGeorge syndrome (Velo-cardio-facial syndrome)
- Klinefelter syndrome
- Prader-Willi syndrome
- Trisomy 21 (Down syndrome)
- Trisomy 13 (Patau syndrome)
- Trisomy 18 (Edwards syndrome)
- Turner syndrome
- Williams syndrome

- Other chromosomal anomalies such as microdeletions and duplications

## 3. **Infectious Conditions**

### 3.1. Congenital Infections

- HIV/AIDS
- Syphilis
- TORCH:
  - Toxoplasmosis
  - Other agents
  - Rubella
  - Cytomegalovirus
  - Herpes simplex
- Cytomegalovirus (CMV)
- Other congenital infections such as Zika

### 3.2. Acquired Infections

- Bacterial meningitis
- Encephalitis
- Poliomyelitis
- Viral meningitis

## 4. **Endocrine/Metabolic Disorders**

### 4.1. Mucopolysaccharidosis

- Hunter syndrome
- Hurler syndrome
- Maroteaux-Lamy syndrome
- Sanfilippo syndrome
- Scheie syndrome
- Sly syndrome

### 4.2. Enzyme Deficiency

- Biotinidase deficiency
- Medium-chain acyl-CoA dehydrogenase deficiency (MCAD)
- Oculocerebrorenal syndrome (Lowe syndrome)



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## 4.3. Abnormalities of Amino Acid Metabolism

- Argininosuccinic aciduria/Citrullinemia
- Homocystinuria
- Infant Phenylketonuria (PKU)
- Maple syrup urine disease
- Methylmalonic acidemia (MMA)
- Ornithine transcarbamylase (OTC) deficiency

## 4.4. Abnormalities of Carbohydrate Metabolism

- Galactosemia
- Glycogen storage disease
- Pompe disease

## 4.5. Abnormalities of Lipid Metabolism

- Gaucher disease
- Niemann-Pick disease

## 4.6. Abnormalities of the Purine/Pyrimidine Metabolism

- Lesch Nyhan syndrome

## 4.7. Abnormalities of the Parathyroid

- Untreated hyperparathyroidism
- Untreated hypoparathyroidism

## 4.8. Abnormalities of the Pituitary

- Hyperpituitary
- Hypopituitary

## 4.9. Abnormalities of Adrenocortical Function

- Congenital adrenal hyperplasia
- Hyperadrenocortical function
- Hypoadrenocortical function

## 4.10. Hemoglobinopathies

- Sickle cell disease
- Thalassemia (major and minor)

## 4.11. Abnormalities of the Thyroid Hormone

- Congenital hypothyroidism

## 4.12. Peroxisomal Disorders

- Adrenoleukodystrophy (ALD)
- Cerebrohepatorenal syndrome (Zellweger syndrome)
- Peroxisomal biogenesis disorders
- Rhizomelic chondrodysplasia punctata

## 5. Other Disorders/Diseases

### 5.1. Neurological Disorders

#### 5.1.a. Neuromotor/Muscle Disorders

- Cerebral palsy
- Congenital myasthenia
- Kernicterus
- Muscular dystrophies
- Paralysis
- Periventricular leukomalacia
- Spinal muscular atrophy
- Torticollis

#### 5.1.b. Cerebrovascular Disease

- Cerebral arterial thrombosis
- Cerebral embolus thrombosis
- Cerebral venous thrombosis

#### 5.1.c. Brain Hemorrhages

- Intracranial hemorrhage

- Intraventricular hemorrhage (grades 3 & 4)

### 5.1.d. Degenerative Disorders

- Acute disseminated encephalomyelitis
- Cockayne syndrome
- Friedreich's ataxia
- Gangliosidosis
- Leigh's disease
- Leukodystrophy
- Schilder's disease
- Tay-Sachs disease

### 5.1.e. Neurocutaneous Disorders

- Ectodermal dysplasia
- Incontinentia pigmenti
- Neurofibromatosis
- Sturge-Weber syndrome
- Tuberous sclerosis
- Xeroderma pigmentosa

### 5.1.f. Malignancies

- Intracranial tumors and other malignancies of the central nervous system

### 5.1.g. Head and Spinal Cord Trauma

- Fracture of vertebral column with or without spinal cord lesions
- Shaken baby syndrome
- Traumatic brain injury

### 5.1.h. Hypoxic/Anoxic Brain Injury

- Hypoxic ischemic encephalopathy (newborn encephalopathy)
- Near drowning

### 5.2. Vision Impairment

- Amblyopia
- Cortical visual impairment (CVI)
- Low vision (20/70)
- Nystagmus



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- Retinopathy of prematurity (ROP) (stage 3 - stage 5)
- Visual field loss

## 6. Hearing Deficiency

- Auditory neuropathy
- Bilateral or unilateral hearing loss of  $\geq 25$  dB at 2+ frequencies between 500-4000 Hz
- Mixed hearing loss
- Permanent conductive hearing loss
- Sensorineural hearing loss
- Waardenburg syndrome

## 7. Other Fetal/Placental Anomalies

- Twin to twin transfusion syndrome
- Umbilical cord prolapse

## 8. Exposures Affecting Fetus/Child

### 8.1. Prenatal

- Fetal alcohol exposure
- Fetal drug exposure
- Diagnosed maternal phenylketonuria (PKU)

### 8.2. Postnatal

- Lead – venous blood lead level at or above reference value recommended by the CDC (currently 3.5  $\mu\text{g}/\text{dL}$ )
- Following CDC recommendations for mercury and other neurotoxic chemicals diagnosed at elevated exposure levels

## 9. Chronic Illness

### 9.1. Medically Fragile

- Renal insufficiency

### 9.2. Medical Illness

- Bronchopulmonary dysplasia
- Cancer
- Chronic hepatitis
- Connective tissue disorders
- Cystic fibrosis
- Diabetes
- Immune disorders (ex. juvenile arthritis)
- Failure to thrive
- Renal failure
- Very low birth weight (<1500 grams or 3.3 lbs.)
- Chronic asthma – moderate to severe
- Intrauterine growth restriction (IUGR)
- Small for gestational age (<10% weight for age) (SGA)

## 10. Developmental Delay

### 10.1. Pervasive Developmental Disorders

- Autism spectrum disorder
- Childhood disintegrative disorder

### 10.2. Rett Syndrome

### 10.3. Regulatory Disorders of Sensory Processing

- Hyposensitive/hypersensitive
- Sensory seeking/impulsive

## 11. Mental Health Conditions

- Adjustment disorders
- Depression of infancy and early childhood
- Diagnosed regulatory disorders
- Disorders of affect
- Maltreatment/deprivation disorder

- Mixed disorders of emotional expressiveness
- Post-traumatic stress disorder (PTSD)

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