

Congenital Cytomegalovirus (cCMV) Diagnostic Testing and Care Process Map

Primary Care Provider Recommendations



Oregon.gov/CMV

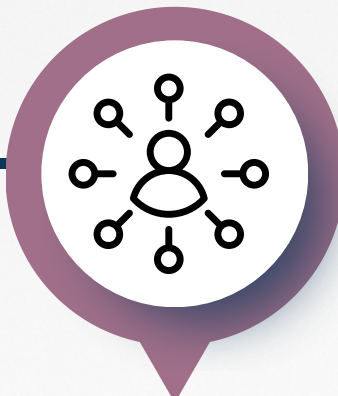


Review and Order

Following receipt of positive urine CMV test results within 21 days of age, the newborn’s primary care provider is encouraged to complete the following to evaluate for further evidence and extent of cCMV disease as soon as possible:

- Complete Blood Count (CBC) with differential
- Complete Metabolic Panel (CMP)
- Head Ultrasound (HUS)
- Physical exam with height, weight, and head circumference measurements
- Referral to audiology for diagnostic audiology evaluation
- Referral to Early Intervention services

Step 1



Refer

The primary care provider may consider the following referrals:

- Pediatric Infectious Disease
 - When possible, it is preferred that results from CBC with differential, CMP, HUS (or other brain imaging), physical exam, and diagnostic audiology evaluation be available prior to being seen by Pediatric Infectious Disease specialist for clinical management.
- Pediatric Otolaryngology (ENT) if hearing loss is identified by audiology
- Pediatric Neurology if abnormal imaging, microcephaly, hearing loss, or abnormal neurological exam
- Pediatric Ophthalmology or Pediatric Optometry
 - When possible, indicate any abnormal eye findings, hearing loss, or abnormal neurological exam on referral.

Step 2



Monitor

Primary care providers are encouraged to consider frequent monitoring of a child’s growth and development due to progressive symptoms. Children with cCMV may have difficulties with hearing, vision, and cognition leading to possible developmental delays.

All children with cCMV are recommended to be monitored by an audiologist, even if they pass the newborn hearing screening, because they are at risk of progressive hearing loss. For children with cCMV, the American Academy of Audiology recommends audiology visits every 3 months until 1 year of age, then every 6 months until 3 years of age, then yearly until 6 years of age. More frequent evaluations may be needed based on audiologist recommendation.

Step 3