



Alaska Medicaid Policy Clarification Cytogenomic Microarray Analysis

Policy

In accordance with 7 AAC 105.100, Alaska Medicaid will pay for medically necessary cytogenomic constitutional (genome-wide) microarray analysis (CMA) in accordance with the following coverage criteria:

- CPT 81228 - CMA; interrogation of genomic regions for copy number variants (e.g., bacterial artificial chromosome (BAC) or oligo-based comparative genomic hybridization (CGH) microarray analysis)

CPT 81228 is covered **only** if one or more of the following criteria are met:

- ✓ Patient has at least one major congenital anomaly or multiple congenital anomalies, other than those associated with an obvious, specific, and well-defined genetic syndrome
- ✓ Patient has a developmental delay (DD) or intellectual disability (ID) and all of the following are met:
 - There is no known etiology for the DD/ID (e.g., trauma, infection)
 - The DD/ID is not suspected to be related to an obvious, specific, and well-defined genetic syndrome
 - The patient shows evidence of at least one major congenital anomaly
- ✓ Patient has an autism spectrum disorder and has at least one major congenital anomaly

CPT 81228 is not considered medically necessary and is therefore **not** covered if the patient has had CMA performed previously.

- CPT 81229 - CMA; interrogation of genomic regions for copy number and single nucleotide polymorphism (SNP) variants for chromosomal abnormalities

CPT 81229 is covered **only** if the above criteria for 81228 are met **and** if one or more of the following additional criteria are met:

- ✓ Consanguinity AND recessive disease are suspected
- ✓ Uniparental Disomy (UPD) is suspected
- ✓ Another mechanism is suspected that would not be detected by the oligo microarray

CPT 81229 is not considered medically necessary and is therefore **not** covered if the patient has had CMA performed previously.

No other CPT or HCPC (e.g., S38970) codes are covered for CMA.

Documentation Requirements

Claims for **all** genetic testing must be accompanied by a [Genetic Testing Supporting Information](#) form and a lab report. Failure to attach these documents will result in claim denial.