

# Clinical Policy: Genomic Microarray Testing

Reference Number: WA.CP.MP.512

Date of Last Revision: 08/21

Effective Date: 09/01/21

[Coding Implications](#)

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## Description

This policy describes the medical necessity guidelines for genetic microarray testing.

## Policy/Criteria

- I. It is the policy of Coordinated Care of Washington, Inc., in accordance with the Health Care Authority’s Health Technology Assessment, that genomic microarray testing is considered **medically necessary** for diagnosing genetic abnormalities when *each of the following criteria* are met:
  - A. Member is under the age of 18 with one of the following:
    - 1. Significant dysmorphic features or congenital anomalies, or
    - 2. Global developmental delay (member age 5 or younger) or clinical diagnosis of intellectual disability (member older than 5 years), or
    - 3. Clinical diagnosis of autism spectrum disorder
  - B. Targeted genetic testing, if indicated, is negative,
  - C. Clinical presentation is not specific to a well-delineated genetic syndrome
  - D. The results could impact the clinical management.
- II. It is the policy of Coordinated Care of Washington, Inc., in accordance with the Health Care Authority’s Health Technology Assessment, that genomic microarray testing is **not medically necessary** for any other condition.

## Background

This policy is based entirely on Washington State Health Care Authority (HCA) Health Technology Assessment (HTA) and Health Care Authority Billing Guidelines.

## Coding Implications

This clinical policy references Current Procedural Terminology (CPT®). CPT® is a registered trademark of the American Medical Association. All CPT codes and descriptions are copyrighted 2019, American Medical Association. All rights reserved. CPT codes and CPT descriptions are from the current manuals and those included herein are not intended to be all-inclusive and are included for informational purposes only. Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

CPT® Codes	Description
81228	Cytogenomic constitutional (genome-wide) microarray analysis; interrogation of genomic regions for copy number variants

CPT® Codes	Description
81229	Cytogenomic constitutional (genome-wide) microarray analysis; interrogation of genomic regions for copy number and single nucleotide polymorphism (SNP) variants for chromosomal abnormalities

Reviews, Revisions, and Approvals	Revision Date	Approval Date
Policy developed.	08/19	08/19
Annual review. References updated.	08/20	09/20
Annual review. References updated. Removed reference to Whole Exome Sequencing in Description. Replaced statement about non-coverage with “not medically necessary”. Replaced “members” with “members/enrollees”	08/21	09/21

**References**

1. National Human Genome Research Institute. *DNA Microarray Technology Fact Sheet*. <https://www.genome.gov/about-genomics/fact-sheets/DNA-Microarray-Technology> Accessed 8/1/21.
2. Whitehead, N. RTI International. *Genomic Microarray and Whole Exome Sequencing*. Washington Health Technology Assessment. December 19, 2017.
3. Washington State Health Care Authority. *Physician-related Services/Health Care Billing Guide*. <https://www.hca.wa.gov/assets/billers-and-providers/Physician-related-serv-bg-20210701.pdf> Revision effective July 1, 2021.

**Important Reminder**

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members/enrollees. This clinical policy is not intended to recommend treatment for members/enrollees. Members/Enrollees should consult with their treating physician in connection with diagnosis and treatment decisions.

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**Note: For Medicaid members/enrollees**, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

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