## Chromosomal Microarray Analysis for Developmental Delay/Intellectual Disability, Autism Spectrum Disorder, or Congenital Anomalies

- Chromosomal microarray analysis for developmental delay, intellectual disability, autism spectrum disorder, or congenital anomalies (81228, 81229, S3870, 0209U) is considered medically necessary when:
  - A. The member has developmental delay and/or intellectual disability, excluding isolated speech/language delay (see below), **OR**
  - B. The member has autism spectrum disorder, **OR**
  - C. The member has multiple congenital anomalies not specific to a well-delineated genetic syndrome, **OR**
  - D. The member has short stature
- II. Chromosomal microarray analysis for developmental delay, intellectual disability, autism spectrum disorder, or congenital anomalies (81228, 81229, S3870, 0209U) is considered **investigational** for all other conditions of delayed development, including:
  - A. Isolated speech/language delay\*

## **NOTES AND DEFINITIONS**

1. **Autism spectrum disorders**: is defined in the DSM V as persistent deficits in social communication and social interaction across multiple contexts, as manifested by the following, currently or by history:



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<sup>\*</sup>See Background and Rationale section for more information about this exclusion.

a. Deficits in social-emotional reciprocity, ranging, for example, from abnormal social approach and failure of normal back-and-forth conversation; to reduced sharing of interests, emotions, or affect; to failure to initiate or respond to social interactions.

- b. Deficits in nonverbal communicative behaviors used for social interaction, ranging, for example, from poorly integrated verbal and nonverbal communication; to abnormalities in eye contact and body language or deficits in understanding and use of gestures; to a total lack of facial expressions and nonverbal communication.
- c. Deficits in developing, maintaining, and understanding relationships, ranging, for example, from difficulties adjusting behavior to suit various social contexts; to difficulties in sharing imaginative play or in making friends; to absence of interest in peers.
- Congenital anomalies according to ACMG are multiple anomalies not specific to a
  well-delineated genetic syndrome. These anomalies are structural or functional
  abnormalities usually evident at birth, or shortly thereafter, and can be
  consequential to an individual's life expectancy, health status, physical or social
  functioning, and typically require medical intervention.
- 3. **Developmental delay** is a slow-to-meet or not reaching milestones in one or more of the areas of development (communication, motor, cognition, social-emotional, or adaptive skills) in the expected way for a child's age
- 4. Intellectual disability (ID) is defined by the DSM V as:
  - a. Deficits in intellectual functions, such as reasoning, problem solving, planning, abstract thinking, judgment, academic learning, and learning from experience, confirmed by both clinical assessment and individualized, standardized intelligence testing.
  - b. Deficits in adaptive functioning that result in failure to meet developmental and sociocultural standards for personal independence and social responsibility. Without ongoing support, the adaptive deficits limit functioning in one or more activities of daily life, such as communication, social participation, and independent living, across multiple environments, such as home, school, work, and community.
  - c. Onset of intellectual and adaptive deficits during the developmental period.



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