

Policy Number: CP-IFP21-017A

Effective Date: January 1, 2024

## Fetal Aneuploidy

The purpose of this policy is to provide clarity and specificity for Fetal Aneuploidy coverage under the IFP laboratory services benefit category. Maternal Plasma Tests for Detection of Cell-Free Fetal DNA for Analysis of Chromosomal Aneuploidies is to provide an assessment of a pregnant person’s **risk** of carrying a fetus with one of the more common fetal aneuploidies.

### DISCLAIMER

*Coverage Policies are developed to assist in identifying coverage for UCare benefits under UCare’s health plans. They are intended to serve only as a general reference regarding UCare’s administration of health benefits and are not intended to address all issues related to coverage for health services provided to UCare members.*

*These services may or may not be covered by all UCare products (refer to product section of individual coverage policy for product-specific detail). Providers are encouraged to have their UCare patient refer to their UCare plan documents (Evidence of Coverage/Member Handbook/Member Contract) for specific coverage information. If there is a conflict between a coverage policy and the UCare plan documents, the UCare plan documents prevail.*

*Coverage Policies do not constitute medical advice. Providers are responsible for submission of accurate and compliant claims.*

### Product Summary

This coverage policy applies to the following UCare products:

UCare product	Applies to
UCare Individual & Family Plans (IFP), UCare IFP with M Health Fairview	✓
UCare Medicare Plans, UCare Medicare with M Health Fairview & North Memorial Health, UCare Advocate Plus (HMO I-SNP), EssentiaCare	
UCare’s Minnesota Senior Health Options (MSHO)(HMO D-SNP)	
UCare Connect + Medicare (HMO D-SNP)	
UCare Connect (SNBC)	
Prepaid Medical Assistance Program (PMAP), MinnesotaCare	
Minnesota Senior Care Plus (MSC+)	

### Benefit category:

**Laboratory Services**

## Definitions or summary

**Aneuploidy** – a condition in which a cell has an incorrect number of chromosomes.

**Fetal Aneuploidy** - a condition where the fetus has one or more extra or missing chromosomes leading to either a nonviable pregnancy, offspring that may not survive after birth, or surviving newborn with congenital birth defects and functional abnormalities.

**Fetal aneuploidy screening** is designed to assess whether a pregnant person is at increased risk of having a fetus affected by a genetic disorder. Cell-free DNA is the most sensitive and specific screening test for the common fetal aneuploidies.

**Prenatal *diagnostic testing* for genetic disorders is:**

- Not the same thing as *aneuploidy screening*
- Fetal chromosomes are evaluated for the presence or absence of abnormalities in chromosome number, deletions, and duplications, or
- fetal DNA is evaluated for *specific* genetic disorders.

**Genetic counseling** is the education of patients and families about prenatal diagnosis of illnesses caused by genetic disorders; diagnosis and management of children who may be born genetic conditions that cause birth defects or affect normal growth and development.

## Coverage policy

### Covered

- Pregnant persons with a singleton pregnancy, regardless of maternal age or risk of chromosomal abnormality should be offered prenatal genetic screening for fetal aneuploidy (i.e., trisomy 13, 18 and/or 21)
  - Serum screening with or without nuchal translucency (NT) ultrasound
  - Cell-free DNA
- Testing is recommended with each pregnancy.
- Genetic counseling and Chorionic Villus Sampling (CVS) or second-trimester amniocentesis should be offered to women who are found to have an increased risk of aneuploidy to discuss the risks of fetal abnormalities but also the relative limitations of available tests.
  - *Chorionic Villus Sampling (CVS) and amniocentesis are not part of routine prenatal care and would be covered under the applicable benefit for diagnostic laboratory services.*

### Non-Covered

- For all uses other than the detection of fetal trisomy of 13, 18, and 21 (including, but not limited to: unbalanced translocations, microdeletions and duplications).
- For determination of fetal sex.
- Repeat screening for women with negative screening results.
- Testing in the presence of multiple fetuses.
- Testing with multiple screening methodologies for fetal aneuploidy.

CPT/ HCPCS/ICD-10 Codes		
<p><i>*Note: If available, codes are listed below for informational purposes only, and do not guarantee member coverage or provider reimbursement. This list may not be all-inclusive.</i></p>		
CPT®, HCPCS or ICD-10 CODES	Modifier	Narrative Description
81420		Fetal chromosomal aneuploidy (e.g., trisomy 21, monosomy X) genomic sequence analysis panel, circulating cell-free fetal DNA in maternal blood, must include analysis of chromosomes 13, 18, and 21
81507		Fetal aneuploidy (trisomy 21, 18, and 13) DNA sequence analysis of selected regions using maternal plasma, algorithm reported as a risk score for each trisomy.

\*CPT is a registered trademark of the American Medical Association.

Prior authorization
<b>Not required</b>

Related policies and documentation	
<p><i>References to other policies or documentation that may be relevant to this policy</i></p>	
Policy Number	Policy Description
None	

References and source documents
<p><i>Links to the UCare contracts, Center for Medicare and Medicaid Services (CMS), MHCP, Minnesota statute and other relevant documents used to create this policy</i></p>
<p><a href="#">ACOG Practice Bulletin 226, Screening for Fetal Chromosomal Abnormalities October, 2020</a></p>
<p><a href="#">Individual and Family Plan (IFP) member contract</a></p>

Coverage policy development and revision history		
Version	Date	Note(s)
V1	Jan. 1, 2022	New policy
	Nov.30, 2022	Annual review; updated with gender-neutral language; no content change. Updated purpose box.
	Oct.20, 2023	Annual Review: No changes.