Osteochondral Allografts and Autografts for Cartilaginous Defects

MEDICARE MEDICAL POLICY NUMBER: 357

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MEDICARE COVERAGE CRITERIA 2
POLICY CROSS REFERENCES 3
POLICY GUIDELINES 3
REGULATORY STATUS 4
BILLING GUIDELINES AND CODING 4
REFERENCES 6
POLICY REVISION HISTORY 6

INSTRUCTIONS FOR USE: Company Medicare Medical Policies serve as guidance for the administration of plan benefits and do not constitute medical advice nor a guarantee of coverage. Company Medicare Medical Policies are reviewed annually to guide the coverage or non-coverage decision-making process for services or procedures in accordance with member benefit contracts (otherwise known as Evidence of Coverage or EOCs) and Centers of Medicare and Medicaid Services (CMS) policies, manuals, and other CMS rules and regulations. In the absence of a CMS coverage determination or specific regulation for a requested service, item or procedure, Company policy criteria or applicable utilization management vendor criteria may be applied. These are based upon published, peer-reviewed scientific evidence and evidence-based clinical practice guidelines that are available as of the last policy update. Coverage decisions are made on the basis of individualized determinations of medical necessity and the experimental or investigational character of the treatment in the individual case. In cases where medical necessity is not established by policy for specific treatment modalities, evidence not previously considered regarding the efficacy of the modality that is presented shall be given consideration to determine if the policy represents current standards of care.

The Company reserves the right to determine the application of Medicare Medical Policies and make revisions to these policies at any time. Any conflict or variance between the EOC and Company Medical Policy will be resolved in favor of the EOC.

SCOPE: Providence Health Plan, Providence Health Assurance, and Providence Plan Partners as applicable (referred to individually as “Company” and collectively as “Companies”).

PRODUCT AND BENEFIT APPLICATION

☒ Medicare Only

MEDICARE COVERAGE CRITERIA

IMPORTANT NOTE: More than one Centers for Medicare and Medicaid Services (CMS) reference may apply to the same health care service, such as when more than one coverage policy is available (e.g., both an NCD and LCD exist). All references listed should be considered for coverage decision-making. The Company uses the most current version of a Medicare reference available at the time of publication; however, these websites are not maintained by the Company, so Medicare references and their corresponding hyperlinks may change at any time. If there is a conflict between the Company Medicare Medical Policy and CMS guidance, the CMS guidance will govern.

Service	Medicare Guidelines
Medicare Coverage Criteria: "MA organizations may create publicly accessible internal coverage criteria… when coverage criteria are not fully established in applicable Medicare statutes, regulations, NCDs or LCDs." *(§ 422.101(b)(6) – see Policy Guidelines below)* • **Medicare Coverage Manuals:** Medicare does not have criteria for either osteochondral ***allo***grafts or osteochondral ***auto***grafts (aka, mosaicplasty or osteochondral autograft transplant [OATS]) for cartilaginous defects in a coverage manual. • **National Coverage Determination (NCD):** Medicare does not have an NCD for either osteochondral allografts or OATS. • **Noridian J-F Local Coverage Determination (LCD)/Local Coverage Article (LCA):** As of the most recent policy review, no Medicare Administrative Contractors (MACs) have LCDs for either osteochondral allografts or OATS. • Therefore, in the absence of established Medicare coverage criteria in a manual, NCD, LCD, or other regulatory guidance for the health plan's service area, Company criteria below are applied for medical necessity decision-making. In this case, Medicare coverage criteria are considered "not fully established" as defined under CFR § 422.101(6)(i)(C) as there is no Medicare coverage criteria available. • ***NOTE:*** *The summary of evidence, as well as the list of citations/references used in the development of the Company's internal coverage criteria, are publicly available and can be found using the Company medical policy link below [CFR § 422.101(6)(ii)(A) and (B)].*	
Osteochondral Allografts and Autografts for Cartilaginous Defects	Company medical policy for Osteochondral Allografts and Autografts for Cartilaginous Defects I. These services may be considered **medically necessary** for Medicare when the Company medical policy criteria are met. II. These services are considered **not medically necessary** for Medicare Plan members either when the Company medical policy criteria are **not** met ***or*** when a service is deemed "not

	medically necessary" by the Company policy. See *Policy Guidelines below.*

IMPORTANT NOTICE: While some services or items may appear medically indicated for an individual, they may also be a direct exclusion of Medicare or the member's benefit plan. Such excluded services or items by Medicare and member EOCs include, but are not limited to, services or procedures considered to be cosmetic, not medical in nature, or those considered not medically reasonable or necessary under *Title XVIII of the Social Security Act, §1862(a)(1)(A).* If there is uncertainty regarding coverage of a service or item, please review the member EOC or submit a pre-service organization determination request. Note that the Medicare Advance Beneficiary Notice of Noncoverage (ABN) form **cannot** be used for Medicare Advantage members. *(Medicare Advance Written Notices of Non-coverage. MLN006266 May 2021)*

POLICY CROSS REFERENCES

- Genicular Nerve Blocks and Nerve Ablation for Knee Pain, MP354
- Autologous Chondrocyte Implantation (ACI) for Cartilaginous Defects of the Knee, MP355
- Meniscal Allograft Transplantation and Other Meniscal Implants, MP356

The full Company portfolio of Medicare Medical Policies is available online and can be accessed here.

POLICY GUIDELINES

MEDICARE AND MEDICAL NECESSITY

Only medically reasonable and necessary services or items which treat illness or injury are eligible for Medicare coverage, as outlined in *Title XVIII of the Social Security Act, §1862(a)(1)(A)*. MA organizations (MAOs) make medical necessity determinations based on coverage and benefit criteria, current standards of care, the member's unique personal medical history (e.g., diagnoses, conditions, functional status, co-morbidities, etc.), physician recommendations, and clinical notes, as well as involvement of a plan medical director, where appropriate. *(§ 422.101(c)(1))*

In addition:

> "MA organizations may create publicly accessible internal coverage criteria that are based on current evidence in widely used treatment guidelines or clinical literature when coverage criteria are not fully established in applicable Medicare statutes, regulations, NCDs or LCDs. Current, widely-used treatment guidelines are those developed by organizations representing clinical medical specialties, and refers to guidelines for the treatment of specific diseases or conditions. Acceptable clinical literature includes large, randomized controlled trials or prospective cohort studies with clear results, published in a peer-reviewed journal, and specifically designed to answer the relevant clinical question, or large systematic reviews or meta-analyses summarizing the literature of the specific clinical question." *(§ 422.101(b)(6) and Medicare Managed Care Manual, Ch. 4, §90.5)*

The Plan's Medicare policy for *PHA Medicare Medical Policy Development and Application* (MP50) provides details regarding Medicare's definition of medical necessity and the hierarchy of Medicare references and resources during the development of medical policies, as well as the Plan's use of

evidence-based processes for policy development. Since there are not fully established coverage criteria for either osteochondral ***allo***grafts or osteochondral ***auto***grafts (aka, mosaicplasty or osteochondral autograft transplant [OATS]) available in applicable Medicare statutes, regulations, NCDs or LCDs, then Company medical policy criteria will be applied. See the Medicare Coverage Criteria table above for more information regarding the use of internal coverage criteria when Medicare coverage criteria are not fully established.

REGULATORY STATUS

U.S. FOOD & DRUG ADMINISTRATION (FDA)

While clearance by the Food and Drug Administration (FDA) is a prerequisite for Medicare coverage, the 510(k) premarket clearance process does not in itself establish medical necessity. Medicare payment policy is determined by the interaction of numerous requirements, including but not limited to, the availability of a Medicare benefit category and other statutory requirements, coding and pricing guidelines, as well as national and local coverage determinations and clinical evidence.

BILLING GUIDELINES AND CODING

GENERAL

Many of the codes in this policy are not specific to osteochondral autografting or allografting and may be used for other restorative procedures for the knee, which may be addressed in other medical policies. For example: 27415, 27416, 29866 and/or 29867 may also be requested for autologous chondrocyte implantation (ACI) and CPT code 29892 is also used for other procedures of the ankle. Please see the Policy Cross References section above for other applicable medical policies. See Table 1 below for additional information regarding appropriate reporting of OATS procedures.

Table 1: Coding Guidelines for OATS

JOINT	GRAFT TYPE	CPT CODING		NOTES
		OPEN	ARTHROSCOPIC	
Knee	***Autograft***	27416	29866	• CPT instructions state that CPT code 27416 should not be reported with: ○ CPTs 27415, 29870, 29871, 29875, 29884 when performed at the same session and/or ○ CPTs 29874, 29877, 29879, 29885-29887 when performed in the same compartment. • CPT instructions also state codes for obtaining grafts or other tissues through separate incisions can only be
	Allograft	27415	29867	

				reported when obtaining the graft is not already included as part of the basic procedure. CPT codes 27416 and 29866 both include harvesting of the graft. Thus, separate reporting for this would not be appropriate. • Arthroscopy code 29879 *(Arthroscopy, knee, surgical; abrasion arthroplasty (includes chondroplasty where necessary) or multiple drilling or microfracture)* is not appropriate for OATS or osteochondral allografting. • Since specific Category I codes are available for both open and arthroscopic approaches, the use of unlisted code 27599 *(Unlisted procedure, femur or knee)* should not be used for OATS of the knee.
Ankle	***Autograft***	28446	29892	The use of CPT 29892 for arthroscopic osteochondral talus graft is per CPT instruction and is regardless of whether using an allograft or autograft; however, CPT codes 27899 or 28899 may also be seen.
	Allograft	28899		
Elbow	***Autograft***	24999	29999	For osteochondral graft of the elbow, the same unlisted code may be used regardless of if using an allograft or autograft.
	Allograft			

CODES*		
CPT	24999	Unlisted procedure, humerus or elbow
	27415	Osteochondral allograft, knee, open
	27416	Osteochondral autograft(s), knee, open (eg, mosaicplasty) (includes harvesting of autograft[s])
	27599	Unlisted procedure, femur or knee
	27899	Unlisted procedure, leg or ankle
	28446	Open osteochondral autograft, talus (includes obtaining graft[s])
	28899	Unlisted procedure, foot or toes
	29866	Arthroscopy, knee, surgical; osteochondral autograft(s) (eg, mosaicplasty) (includes harvesting of the autograft[s])
	29867	Arthroscopy, knee, surgical; osteochondral allograft (eg, mosaicplasty)
	29892	Arthroscopically aided repair of large osteochondritis dissecans lesion, talar dome fracture, or tibial plafond fracture, with or without internal fixation (includes arthroscopy)

	29999	Unlisted procedure, arthroscopy
HCPCS	None	

***Coding Notes:**

- The code list above is provided as a courtesy and may not be all-inclusive. Inclusion or omission of a code from this policy neither implies nor guarantees reimbursement or coverage. Some codes may not require routine review for medical necessity, but they are subject to provider contracts, as well as member benefits, eligibility and potential utilization audit. According to Medicare, "presence of a payment amount in the MPFS and the Medicare physician fee schedule database (MPFSDB) does not imply that CMS has determined that the service may be covered by Medicare." The issuance of a CPT or HCPCS code or the provision of a payment or fee amount by Medicare does **not** make a procedure medically reasonable or necessary or a covered benefit by Medicare. *(Medicare Claims Processing Manual, Chapter 23 - Fee Schedule Administration and Coding Requirements, §30 - Services Paid Under the Medicare Physician's Fee Schedule, A. Physician's Services)*
- All unlisted codes are reviewed for medical necessity, correct coding, and pricing at the claim level. If an unlisted code is submitted for non-covered services addressed in this policy then it will be **denied as not covered**. If an unlisted code is submitted for potentially covered services addressed in this policy, to avoid post-service denial, **prior authorization is recommended**.
- **See the non-covered and prior authorization lists on the Company Medical Policy, Reimbursement Policy, Pharmacy Policy and Provider Information website for additional information.**
- HCPCS/CPT code(s) may be subject to National Correct Coding Initiative (NCCI) procedure-to-procedure (PTP) bundling edits and daily maximum edits known as "medically unlikely edits" (MUEs) published by the Centers for Medicare and Medicaid Services (CMS). This policy does not take precedence over NCCI edits or MUEs. Please refer to the CMS website for coding guidelines and applicable code combinations.

REFERENCES

None

POLICY REVISION HISTORY

DATE	REVISION SUMMARY
1/2023	New Medicare Advantage medical policy (converted to new format 2/2023)
1/2024	Annual review, no changes to criteria but language revision due to Company policy change from "Investigational" to "not medically necessary"
11/2024	Annual review, no changes to criteria
11/2025	Annual review, no changes to criteria
4/2026	Interim update, no change to criteria, update code configuration only
11/2026	Annual review, no changes to criteria