

Electrical and Ultrasound Bone Growth Stimulators

Policy Number: CS037.P
Effective Date: June 1, 2022

[Instructions for Use](#)

Table of Contents	Page
Application	1
Coverage Rationale	1
Definitions	2
Applicable Codes	2
Description of Services	3
Clinical Evidence	3
U.S. Food and Drug Administration	6
References	7
Policy History/Revision Information	7
Instructions for Use	8

Commercial Policy
• Electrical and Ultrasound Bone Growth Stimulators

Application

This Medical Policy does not apply to the states listed below; refer to the state-specific policy/guideline, if noted:

State	Policy/Guideline
Indiana	Electrical and Ultrasound Bone Growth Stimulators (for Indiana Only)
Kentucky	Electrical and Ultrasound Bone Growth Stimulators (for Kentucky Only)
Louisiana	Electrical and Ultrasound Bone Growth Stimulators (for Louisiana Only)
Nebraska	Electrical and Ultrasound Bone Growth Stimulators (for Nebraska Only)
New Jersey	Electrical and Ultrasound Bone Growth Stimulators (for New Jersey Only)
North Carolina	Electrical and Ultrasound Bone Growth Stimulators (for North Carolina Only)
Pennsylvania	Electrical and Ultrasound Bone Growth Stimulator (for Pennsylvania Only)
Tennessee	Electrical and Ultrasound Bone Growth Stimulators (for Tennessee Only)

Coverage Rationale

The use of invasive or noninvasive spinal electrical bone growth stimulator is proven and medically necessary as an adjunct to lumbar spinal fusion surgery when the following two criteria are met:

- Radiographic evidence of skeletal maturity; and
- Increased risk for fusion failure demonstrated by any of the following:
 - Previously failed fusion at the same site, when minimum of six months has elapsed since the last surgical procedure
 - Spinal fusion performed or to be performed at more than one level as part of a single surgery
 - Comorbid conditions associated with compromised bone healing (e.g., diabetes, obesity, osteoporosis, current tobacco use)
 - Spondylolisthesis grade II or greater

The use of invasive or noninvasive electrical bone growth stimulators is unproven and not medically necessary for the treatment of all other indications due to insufficient evidence of efficacy and/or safety.

The use of ultrasonic bone growth stimulators is proven and medically necessary for the treatment of nonunion of long bone fractures when all of the following criteria are met:

- Fracture gap is less than or equal to 1 cm
- Radiographic evidence of a persistent fracture line without bridging callus is present for 3 months or more
- Fracture reduced and immobilized
- Less than 6 months have passed since the date of most recent surgical operation
- Fracture that is not pathological or associated with malignancy
- Radiographic evidence of skeletal maturity

The use of ultrasonic bone growth stimulators is unproven and not medically necessary for the treatment of all other indications due to insufficient evidence of efficacy and/or safety.

Definitions

Delayed Union: A fracture has not healed within the expected time period. The fact that a bone is delayed in its union does not mean that it will become a non-union.

Electrical Bone Growth Stimulation: The use of a device (either implanted into the body or worn externally), that uses an electric field or current to stimulate the growth of bone tissue.

- **Invasive:** The implantable current generator is surgically placed in an intramuscular or subcutaneous space, while an electrode is implanted within the fragments of bone graft at the targeted fusion site. The implanted device is usually functional for 6 to 9 months at which point the current generator is removed in a second surgical procedure, while the electrodes may or may not be removed. Implantable bone growth stimulators are used as an adjunct to spinal fusion surgery and implanted at the time of surgery.
- **Non-Invasive:** An external power source generates a weak electrical current to the target sites using either pulsed electromagnetic fields, capacitive coupling or combined magnetic fields.

Fracture Union: The point at which the fractured bone has regained sufficient strength and stiffness to function as a weightbearing structure without external support.

Non-Union Fracture: The result of an arrest in the healing process and is defined by the following three findings:

- Motion at the fracture site
- Radiographic evidence showing the persistence of the fracture line without bridging callus
- Incomplete progression toward radiographic healing in the expected length of time for the given bone and further healing not expected

Ultrasonic Bone Growth Stimulation: The use of a non-invasive device that emits low intensity, pulsed ultrasound to accelerate bone repair. The device is characterized by a main operating unit with an external power supply that is connected to a treatment head module affixed to a mounting fixture, and centered over the fracture site. This device is specifically programmed to promote accelerated fracture healing.

Applicable Codes

The following list(s) of procedure and/or diagnosis codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this policy does not imply that the service described by the code is a covered or non-covered health service. Benefit coverage for health services is determined by federal, state, or contractual requirements and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies and Guidelines may apply.

CPT Code	Description
Electrical Bone Growth Stimulator: Non-Spinal (Invasive, Non-Invasive)	
20974	Electrical stimulation to aid bone healing; noninvasive (nonoperative)
20975	Electrical stimulation to aid bone healing; invasive (operative)
Ultrasound Bone Growth Stimulator	
20979	Low intensity ultrasound stimulation to aid bone healing, noninvasive (nonoperative)

CPT® is a registered trademark of the American Medical Association

Coding Clarification: Utilize HCPCS code E0748 when reporting bone growth stimulation for all anatomical levels of the spine.

HCPCS Code	Description
E0747	Osteogenesis stimulator, electrical, noninvasive, other than spinal applications
E0748	Osteogenesis stimulator, electrical, noninvasive, spinal applications
E0749	Osteogenesis stimulator, electrical, surgically implanted
E0760	Osteogenesis stimulator, low intensity ultrasound, non-invasive

Description of Services

Bone healing is a complex process dependent on a variety of factors. The rate of bone repair and composition of tissue varies depending on type of bone fractured, the extent of the bone and soft tissue damage, the adequacy of the blood supply, and the degree of separation between bone ends. The individual's general health and nutritional status also play a significant role in bone healing. The presence of infection may adversely affect healing. Diminished blood flow to the fracture site will often suppress the healing response; factors that can cause diminished blood flow include heavy smoking, malnutrition, diabetes, alcoholism, peripheral vascular disease, increasing age, and the use of some medications such as steroids. Other characteristics such as high-grade trauma, high grade and open fractures, comminution of the fracture, vertical or oblique fracture pattern, and fracture displacement may also contribute to poor healing of bone (Agency for Healthcare Research and Quality [AHRQ], 2005).

Bone growth stimulation is utilized to promote bone healing in difficult to heal fractures or fusions by applying electrical or ultrasonic current to the fracture/fusion site. Ultrasonic stimulation is applied externally, while electrical stimulation can be applied either from the outside of the body (noninvasive) or from the inside of the body (invasive).

Bone growth stimulators are only indicated for use in individuals who are skeletally mature. A person is said to be skeletally mature when all bone growth is complete; the cartilage cells of the growth plate cease to proliferate, the growth plate becomes thinner, is replaced by bone and disappears, and the epiphysis is "closed" or fused with the shaft.

Clinical Evidence

Electrical Bone-Growth Stimulators

A Hayes report evaluated the evidence for noninvasive electrical bone growth stimulators (EBGS) for spinal fusion or foot and ankle indications. The initial report from 2016 indicated that the evidence evaluating noninvasive EBGS in adults found that this technology is safe and suggests that it may improve fusion rates and health outcomes for patients undergoing lumbar or lumbosacral spinal fusion who are at high risk for failed fusion such as smoking or multilevel disease. According to the report, the body of evidence evaluating noninvasive EBGS for lumbar or lumbosacral spinal fusion is moderate in quality. The initial report from 2016 indicated that noninvasive EBGS may also be of benefit as an adjunctive treatment to promote healing in patients undergoing cervical spinal fusion, foot and ankle arthrodesis, and treatment of osteochondral lesions of the talus. According to the report, the body of evidence evaluating noninvasive EBGS for cervical spinal fusion, foot and ankle arthrodesis, and osteochondral lesions of the talus is low in quality. The 2021 updated Hayes review indicates there has been no change to the evidence (Hayes, 2016; updated 2021).

Caliogna et al. (2021) conducted an extensive review of the recent literature of the signaling pathways modulated by pulsed electromagnetic fields (PEMFs) and PEMFs clinical application for bone healing. A review of the literature was performed on two medical electronic databases (PubMed and Embase). Three authors performed the evaluation of the studies and the data extraction. All studies for this review were selected following these inclusion criteria: studies written in English, studies available in full text and studies published in peer-reviewed journal. The investigators concluded that the data reported in the literature give a solid base for the clinical application of PEMFs; unfortunately, the selected electromagnetic field parameters are very different (frequency, waveform, and amplitude), thus preventing the possibility to carry out accurate analysis. To date, there is a great heterogeneity of the PEMFs physical parameters used, both for in vitro and in vivo studies for bone healing. As a consequence of lack of standardized experimental guidelines, controlled trials resulted in non-comparable and inconclusive data. The investigators indicated that further biology studies and clinical trials with clear and standardized parameters (intensity, frequency, dose, duration, type of coil) are required to clarify the precise dose-response relationship and to understand the real applications in clinical practice of PEMFs for bone healing.

Peng et al. (2020) conducted a systematic review and meta-analysis to evaluate the effect of pulsed electromagnetic field (PEMF) on bone healing in patients with fracture. The investigators searched CNKI, Wan Fang, VIP, Embase, PubMed, CENTRAL, Web of Science, Physiotherapy Evidence Database, and Open Grey websites for randomized controlled trials (published before July 2019 in English or Chinese) comparing any form of PEMF to sham. Reference lists were also searched. Related data were extracted by two investigators independently. The bias risk of the articles and the evidence strength of the outcomes were evaluated. Twenty-two studies were eligible and included in the analysis (n = 1,468 participants). The pooled results of 14 studies (n = 1,131 participants) demonstrated that healing rate in PEMF group was 79.7%, and that in the control group was 64.3%. PEMF increased healing rate by the Mantel-Haenszel analysis, relieved pain by the inverse variance analysis, and accelerated healing time by the inverse variance analysis. Moderate quality evidence suggested that PEMF increased healing rate and relieved pain of fracture, and very low-quality evidence showed that PEMF accelerated healing time. According to the investigators, a limitation of this systematic review and meta-analysis was that the literature was insufficient to analyze whether PEMF has an impact on bone mineral density (BMD) and functional outcome. Even for bone healing, different effects may be achieved by PEMF treatments with different parameters (frequency, intensity). Though the determination of effective intensity and frequency is important for each clinical application, there was not enough literature to analyze them, and it is difficult to discuss the dose-response relationship. In the future, more high-quality trials are needed to analyze the effectiveness of PEMF and to identify the best parameters, dose, and duration of PEMF.

Akhter et al. (2020) conducted a systematic review and meta-analysis to evaluate if postoperative electrical stimulation is more efficacious than no stimulation or placebo in promoting radiographic fusion in patients undergoing spinal fusion. The investigators searched the Cochrane Central Register of Controlled Trials (CENTRAL), EMBASE, CINAHL and MEDLINE from date of inception to current. Ongoing clinical trials were also identified, and reference lists of included studies were manually searched for relevant articles. Two reviewers independently screened studies, extracted data, and assessed risk of bias. Data were pooled using the Mantel-Haenszel method. Trialists were contacted for any missing or incomplete data. Of 1,184 articles screened, 7 studies were eligible for final inclusion (n = 941). A total of 487 patients received postoperative electrical stimulation and 454 patients received control or sham stimulation. All evidence was of moderate quality. Electrical stimulation (pulsed electromagnetic fields, direct current, and capacitive coupling) increased the odds of a successful fusion by 2.5-fold relative to control. A test for subgroup interaction by stimulation type, smoking status, and number of levels fused was not significant. The investigators concluded that this systematic review and meta-analysis found moderate-level evidence supporting the use of postoperative electrical stimulation as an adjunct to spinal fusion surgery. When compared to sham, placebo-controlled, or no stimulation, patients treated with postoperative electrical stimulation have significantly greater rates of successful radiographically defined fusions. According to the investigators, these results are supported by a notably high statistically significant effect, a narrow confidence interval, and the inclusion of only high-quality randomized trials with human subjects.

Shi et al. (2013) reported a randomized sham-controlled trial that included 58 patients with delayed union of surgically-reduced long-bone fractures (femur, tibia, humerus, radius or ulna). Delayed union was defined as a failure to heal after at least 16 weeks and not more than 9 months following surgical reduction and fixation of the fracture. Patients with fracture nonunion, defined as failure to heal after more than 9 months, were excluded from the study. Treatment with 8 hours of pulsed electromagnetic field therapy (PEMF) per day was stopped when no radiographic progression was observed over 3 months or when union was achieved, with union defined as no pain during joint stressing or during motion at the fracture site and callus bridging for 3 out of 4 cortices on blinded assessment. Three months of treatment resulted in a slight, but not statistically significant, improvement in the rate of union between PEMF-treated patients and controls (38.7% vs. 22.2%). The success rate was

significantly greater with PEMF (77.4% vs. 48.1%) after an average of 4.8 months of treatment. The time to union was not significantly different between PEMF (4.8 months; range, 2-12) and sham controls (4.4 months; range, 2-7).

A systematic review of electrical stimulation to enhance bone healing by Griffin and Bayat identified 105 clinical studies and 35 in vitro studies of the technology. Direct current was found to be effective in enhancing bone healing in spinal fusion, as supported by four studies at level of evidence 1 (randomized control trial). The authors found support for its use for nonunion fractures, but only based on level of evidence 4 (case series). Eleven studies were retrieved for capacitive coupling suggesting its effectiveness for spinal fusion but, for treating nonunions, the findings were conflicting. Studies of inductive coupling for long bones had conflicting findings. Overall, the studies, although in favor of electrical stimulation application in bone repair, displayed variability in treatment regime, primary outcome measures, follow-up times, and study design, making critical evaluation and assessment difficult (Griffin and Bayat, 2011).

A randomized controlled trial by Foley et al. (2008) tested the efficacy of PEMF stimulation to support cervical fusion in 323 participants with compressed cervical nerve root and symptomatic radiculopathy appropriate to the compressed root that had failed to respond to nonoperative management. While the group randomized to PEMF showed a significantly higher fusion rate than the control group (83.6% vs. 68.6%, $p=0.0065$) at six months, the group difference disappeared at 12 months post-surgery (92.8% vs. 86.7%, $p = 0.1129$). Additionally, the study failed to show any group difference in patient-centered outcome such as pain scores, neck disability index, or functional status at 6 or 12 months. The authors concluded that although PEMF stimulation appeared to hasten bone healing in this randomized trial, it did not result in a significant advantage in terms of ultimate fusion rates or clinical outcomes for cervical fusion.

Clinical Practice Guidelines

Current specialty society guidelines support the use of noninvasive electrical bone growth stimulators following spinal fusion. They suggest that when choosing a device (capacitive coupling stimulation (CCS) versus pulsed electromagnetic field stimulation (PEMFS), the surgical approach and procedure should be taken into consideration.

American Association of Neurological Surgeons (AANS) and Congress of Neurological Surgeons (CNS)

A 2014 update to the (AANS) and (CNS) guidelines for bone growth stimulators as an adjunct for lumbar spinal fusion found no new evidence that conflicted with their original 2005 recommendations supporting the use of CCS to enhance fusion rates in patients at high risk of nonunion undergoing posterior lumbar fusion and PEMFS in high-risk patients following interbody fusion (Kaiser et al., 2014).

The North American Spine Society (NASS)

NASS coverage policy recommendations agree with AANS recommendations for spinal indications. According to this document, the current evidence is insufficient to support a coverage recommendation for the use of low intensity pulsed ultrasound or combined magnetic field technology for spinal use, in their opinion, electrical stimulation for augmentation of spinal fusion is indicated for all regions of the spine in individuals at high risk for pseudoarthrosis with specific criteria (i.e., fusion of 3 or more vertebrae, revision spinal fusion, smokers who cannot stop smoking prior to fusion [e.g., trauma], and in the presence of comorbidities). Electrical stimulation is not indicated for a primary spinal fusion without risk factors, spinal fusion of two vertebral levels without risk factors, presence of malignancy, as an adjunct for primary bone healing of a spinal fracture, and as nonsurgical treatment of an established pseudoarthrosis (NASS, 2016).

Ultrasonic Bone-Growth Stimulators

Leighton et al. (2017) reported the results of a systematic review (SR) and meta-analysis of published literature that explored the use of low-intensity pulsed ultrasound (LIPUS) as a treatment of nonunions. A total of 13 eligible papers, including one RCT, reporting the results of LIPUS for the treatment of 1441 nonunions of the tibia, humerus, radius, ulna, and femur were evaluated. The quality of the studies was scored using the Methodological Index for Non-Randomized Studies. Quality scores ranged from 5 to 12, with an "ideal" score for a nonrandomized trial being 16. The pooled estimate of effect size for heal rate was 82% for any anatomical site and fracture age of at least 3 months, although statistical heterogeneity was identified across all primary studies. With a stricter definition of nonunion as fracture age of at least eight months duration, the pooled estimate of effect size rose to 84%. No statistically significant difference was detected between upper and lower extremity long bone nonunions in heal rate. Favorable results of LIPUS intervention were obtained when LIPUS was used as an alternative rather than as an adjuvant to surgery. An interval without surgery of less than 6 months prior to LIPUS was associated with a more

favorable result. This systematic review and meta-analysis support the use of LIPUS in patients with a nonunion. Schofer et al. (2010) which was previously cited in this policy is included in the Leighton et al. (2017) systematic review and meta-analysis.

Biglari et al. (2016) reported results of a case-controlled study comparing participant with successful and unsuccessful fusion after use of LIPUS for long bone fractures, Data from October 2010 to October 2013 from nonunions in 60 patients treated with EXOGEN® LIPUS therapy were analyzed. Treatment was primarily done on long bones of the lower extremity. All 61 nonunions were examined after treatment, and the rate of healing as well as functional and subjective results were evaluated. Based on clinical and radiological findings, patients were divided into two groups: G1—successful treatment; and G2—unsuccessful treatment. Groups were compared to one another to identify possible factors influencing treatment. Nonunions were classified according to non-union scoring system (NUSS). Bone quality was evaluated according to the classification from Weber and Čech. The gap size, the Paley classification, bone quality, and the bone position were also evaluated. The average gap size was 0.67 ± 0.55 (0–3) cm. In this study, patients with small gap sizes and a low NUSS score benefited most from LIPUS treatment. The strength of this study is the low dropout rate and the regular follow-up scheme. This allowed one to observe the course of the healing process in all patients over an entire year. The authors concluded that “a gap larger than 1 cm was associated with an increased risk of treatment failure.”

Hannemann et al. (2014) published a systematic review with meta-analysis of 13 RCTs comparing pulsed electromagnetic fields (PEMF) or low-intensity pulsed ultrasound (LIPUS) bone growth stimulation with placebo for fresh fractures. Three hundred and fifty-five participants were treated with LIPUS or PEMF, and 382 participants were treated with a placebo device. No significant differences were found in time to radiological union between PEMF or LIPUS and placebo (mean difference = -13.32, 95% CI= -32.71 to 6.06, p=0.18), however, in pooled data analyses, heterogenous results that significantly favored PEMF or LIPUS treatment specifically in non-operatively managed fractures were identified (mean difference = -26.65, 95% CI = -50.35 to -2.91, p = 0.03). In addition, pooled analysis of the three studies comparing PEMF or LIPUS with placebo of the upper limb found heterogenous results of significantly reduced time to radiological union in this group compared to control (mean difference = -20.23, 95% CI -32.68 to -7.77, p = 0.001). There was considerable heterogeneity in the outcome parameter of time to radiological union, which is considered a limitation of the study. The authors concluded that bone growth stimulation with LIPUS or PEMF decreases healing time to radiological union for fresh fractures undergoing non-operative treatment and fractures of the upper limb. The clinical significance of these findings is however unclear and the inconsistency of the findings across outcomes limits the clinical implication of the data for acute fracture.

Another systematic review and network meta-analysis of 27 eligible trials that included patients with a fresh fracture suggested benefit of LIPUS at six months, but the findings were not statistically significant. In patients with an existing nonunion or delayed union, electrical stimulation had a possible benefit over standard care on union rates at three months, but, again, the findings were not statistically significant. The study concluded that there is only very low-quality evidence suggesting a potential benefit of low-intensity versus electrical stimulation in improving union rates at six months in fresh-fracture populations (Ebrahim et al., 2014). The findings are limited by the inherently indirect nature of network meta-analyses.

Clinical Practice Guidelines

National Institute for Health and Care Excellence (NICE)

The 2018 NICE guidelines state “the evidence for low-intensity pulsed ultrasound to promote healing of delayed-union and non-union fractures raises no major safety concerns. The current evidence on efficacy is inadequate in quality. Therefore, this procedure should only be used with special arrangements for clinical governance, consent and audit or research.

U.S. Food and Drug Administration (FDA)

This section is to be used for informational purposes only. FDA approval alone is not a basis for coverage.

The FDA regards bone growth stimulators as significant-risk (Class III) devices. Because the list of products used for bone growth stimulation is extensive, refer to the following website for more information and search by product name in device name section: <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfPMN/pmn.cfm>. (Accessed October 7, 2021)

References

- Agency for Healthcare Research and Quality (AHRQ). The role of bone growth stimulating devices and orthobiologics in healing nonunion fractures. Technology assessment program. Prepared by ECRI Evidence-based Practice Center (EPC) (Schoelles et al.). September 21, 2005.
- Akhter S, Qureshi AR, Aleem I, et al. Efficacy of electrical stimulation for spinal fusion: A systematic review and meta-analysis of randomized controlled trials. *Sci Rep*. 2020 Mar 12;10(1):4568.
- Biglari B, Yildirim TM, Swing T, et al. Failed treatment of long bone nonunions with low intensity pulsed ultrasound. *Arch Orthop Trauma Surg*. 2016 Aug;136(8):1121-34.
- Calioigna L, Medetti M, Bina V, et al. Pulsed electromagnetic fields in bone healing: molecular pathways and clinical applications. *Int J Mol Sci*. 2021 Jul 9;22(14):7403.
- Ebrahim S, Mollon B, Bance S, et al. Low-intensity pulsed ultrasonography versus electrical stimulation for fracture healing: a systematic review and network meta-analysis. *Canadian Journal of Surgery*. 2014 Oct;57(5):297.
- Foley KT, Mroz TE, Arnold PM, et al. Randomized, prospective, and controlled clinical trial of pulsed electromagnetic field stimulation for cervical fusion. *Spine J*. 2008 May-Jun;8(3):436-42.
- Griffin M, Bayat A. Electrical stimulation in bone healing: critical analysis by evaluating levels of evidence. *Eplasty*. 2011;11:e34. Epub 2011 Jul 26.
- Hannemann PF, Mommers EH, Schots, et al. The effects of low-intensity pulsed ultrasound and pulsed electromagnetic fields bone growth stimulation in acute fractures: a systematic review and meta-analysis of randomized controlled trials. *Archives of orthopaedic and trauma surgery*. 2014 Aug;134(8):1093-106.
- Hayes Inc. Directory Report. Noninvasive electrical bone growth stimulators for spinal fusion or foot and ankle indications. Lansdale, PA: Hayes Inc.; September 2016. Updated January 2021.
- Kaiser MG, Eck JC, Groff MW, et al. Guideline update for the performance of fusion procedures for degenerative disease of the lumbar spine. Part 17: Bone growth stimulators as an adjunct for lumbar fusion. *J Neurosurg Spine*. 2014 Jul;21(1):133-9.
- Leighton R, Watson JT, Giannoudis P, et al. Healing of fracture nonunions treated with low-intensity pulsed ultrasound (LIPUS): A systematic review and meta-analysis. *Injury*. 2017 Jul;48(7):1339-1347.
- National Institute for Health and Care Excellence (NICE). Low-intensity pulsed ultrasound to promote healing of delayed-union and non-union fractures [IPG623]. 2018.
- North American Spine Society. Electrical Stimulation for Bone Healing. Coverage Policy Recommendations. August 2016.
- Peng L, Fu C, Xiong F, et al. Effectiveness of pulsed electromagnetic fields on bone healing: a systematic review and meta-analysis of randomized controlled trials. *Bioelectromagnetics*. 2020 Jul;41(5):323-337.
- Schofer MD, Block JE, Aigner J, et al. Improved healing response in delayed unions of the tibia with low-intensity pulsed ultrasound: results of a randomized sham-controlled trial. *BMC Musculoskelet Disord*. 2010 Oct 8;11:229.
- Shi HF, Xiong J, Chen YX, et al. Early application of pulsed electromagnetic field in the treatment of postoperative delayed union of long-bone fractures: a prospective randomized controlled study. *BMC Musculoskelet Disord*. 2013 Jan 19;14:35.

Policy History/Revision Information

Date	Summary of Changes
06/01/2022	<p>Application <i>Mississippi</i></p> <ul style="list-style-type: none">Updated language to indicate this Medical Policy applies to the state of Mississippi (retired state-specific policy version) <p>Supporting Information</p> <ul style="list-style-type: none">Archived previous policy version CS037.O

Instructions for Use

This Medical Policy provides assistance in interpreting UnitedHealthcare standard benefit plans. When deciding coverage, the federal, state or contractual requirements for benefit plan coverage must be referenced as the terms of the federal, state or contractual requirements for benefit plan coverage may differ from the standard benefit plan. In the event of a conflict, the federal, state or contractual requirements for benefit plan coverage govern. Before using this policy, please check the federal, state or contractual requirements for benefit plan coverage. UnitedHealthcare reserves the right to modify its Policies and Guidelines as necessary. This Medical Policy is provided for informational purposes. It does not constitute medical advice.

UnitedHealthcare may also use tools developed by third parties, such as the InterQual[®] criteria, to assist us in administering health benefits. The UnitedHealthcare Medical Policies are intended to be used in connection with the independent professional medical judgment of a qualified health care provider and do not constitute the practice of medicine or medical advice.