- Documentation of medical necessity supports the client's need for ongoing self-monitoring and addresses why an automated blood pressure device will not meet the client's needs.

2.2.7.4.1 Components, Replacements, and Repairs

Replacement of blood pressure cuffs and other components may be considered for purchase with prior authorization and documentation of medical necessity that explains the need for the replacement.

Repair of equipment must be prior authorized when irreparable damage has occurred and documentation exists that supports the need for repair. Repair of equipment will be considered after the factory warranty has expired.

2.2.8 Bone Growth Stimulators

Internal and external bone growth (osteogenic) stimulators are a benefit of Texas Medicaid. Bone growth stimulators are a benefit for skeletally-mature individuals only.

Note: *Bone growth stimulators that do not meet criteria for coverage through Title XIX Home Health Services may be considered through Texas Health Steps—Comprehensive Care Program (THSteps-CCP) for clients who are birth through 20 years of age.*

Note: *For clients who are 21 years of age or older, requests for bone growth stimulators that do not meet the criteria through Title XIX Home Health Services may be considered under the Texas Medicaid Home Health—Durable Medical Equipment (DME) Exceptional Circumstances process.*

Electromagnetic bone growth stimulators promote healthy bone growth and repair by low intensity electrical stimulation. Electrical stimulation is provided by implanting low-voltage electrodes within the tissue surrounding the bone (internal) or by external placement of a device that transmits low-voltage currents through the soft tissue to the bone (external).

Ultrasonic bone growth stimulators promote healthy bone growth and repair through low-intensity, pulsed ultrasound waves.

A noninvasive electrical bone growth stimulator (procedure codes E0747 and E0748) and noninvasive ultrasound bone growth stimulator (procedure code E0760) are benefits of Texas Medicaid for DME providers when provided in the home setting. An invasive electrical bone growth stimulator (procedure code E0749) is a benefit of Texas Medicaid for freestanding and hospital-based ambulatory surgical centers when provided in the outpatient setting.

Electrical and ultrasonic bone growth stimulator devices for the treatment of orthopedic and neurosurgical conditions are a benefit for Texas Medicaid clients when the client experiences nonunion of a fracture, requires an adjunct to spinal fusion surgery, or experiences congenital pseudarthrosis.

Nonunion is defined as a fractured bone that fails to heal completely. Diagnosis of nonunion is established when a minimum of six months has passed since the injury and the fracture site shows no progressive signs of healing for a minimum of three months and is not complicated by a synovial pseudoarthrosis. Serial radiographs must confirm that fracture healing has ceased for three months or longer before the client begins treatment with the bone growth stimulator.

2.2.8.1 Professional Services

Procedure codes 20974, 20975, and 20979 are a benefit of Texas Medicaid and limited to one per six months. During the six-month limitation period, a subsequent fracture that meets the above criteria for a bone growth stimulator may be reimbursed after the submission of an appeal with documentation of medical necessity that demonstrates the criteria have been met.

2.2.8.2 Prior Authorization Criteria and Documentation Requirements for Bone Growth Stimulators

Procedure codes E0747, E0748, E0749, and E0760 require prior authorization. Additional bone growth stimulators may be considered for prior authorization with documentation that supports treatment of a different fracture.

A completed Home Health Services (Title XIX) DME/Medical Supplies Prescribing Provider Order Form prescribing the DME and/or supplies must be signed and dated by a physician or an allowed practitioner familiar with the client, before requesting prior authorization for all DME equipment and supplies. The completed Home Health Services (Title XIX) DME/Medical Supplies Prescribing Provider Order Form must include the procedure codes and quantities for services requested.

A copy of the completed Home Health Services (Title XIX) DME/Medical Supplies Prescribing Provider Order Form with the original dated signature must be maintained by the prescribing physician or allowed practitioner in the client's medical record. A copy of the completed, signed, and dated form must be maintained by the DME provider in the client's medical record.

To facilitate the determination of medical necessity and avoid unnecessary denials, the physician or allowed practitioner must provide correct and complete information, including documentation of medical necessity for the equipment or supplies prescribed and is subject to retrospective review. Either provider may be asked for additional information to clarify or complete a request for the bone growth stimulator.

2.2.8.2.1 Documentation for Noninvasive Electrical Bone Growth Stimulator

Documentation of one of the following is required for prior authorization of the external, electromagnetic bone stimulator (procedure code E0747):

- Nonunions, failed fusions, and congenital pseudarthrosis where there is no evidence of progression of healing for three or more months despite appropriate fracture care.
- Delayed unions of fractures of failed arthrodesis at high-risk sites (e.g., open or segmental tibial fractures, carpal navicular fractures).

Documentation must also indicate all the following:

- Serial radiographs have confirmed that no progressive signs of healing have occurred.
- The fractured gap is 1 cm or less.
- The individual can be adequately immobilized and is likely to comply with non-weight-bearing restrictions.

Documentation of one of the following is required for prior authorization of the external, electromagnetic bone stimulator for spinal application (procedure code E0748):

- One or more failed fusions.
- Grade II or worse spondylolisthesis.
- A multiple-level fusion with extensive bone grafting is required.
- Other risk factors for fusion failure are present, including gross obesity, degenerative osteoarthritis, severe spondylolisthesis, current smoking, previous fusion surgery, previous disc surgery, or gross instability.

2.2.8.2.2 Documentation for Invasive Electrical Bone Growth Stimulators

Documentation of one of the following is required for prior authorization of the surgically implanted bone growth stimulator (procedure code E0749):

- Nonunion of long bone fractures (i.e., clavicle, humerus, radius, ulna, femur, tibia, fibula, and metacarpal, metatarsal, carpal, and tarsal bones). Nonunion of long bone fractures is considered to exist only when serial radiographs have confirmed that fracture healing has ceased for three or more months prior to starting treatment with the bone growth stimulator. Serial radiographs must include a minimum of two sets of radiographs separated by a minimum of 90 days. Each set of radiographs must include multiple views of the fracture site.
- Failed fusion of a joint other than the spine when a minimum of three months has elapsed since the joint fusion was performed.
- Congenital pseudoarthrosis.
- An adjunct to spinal fusion surgery for patients at high risk for pseudoarthrosis due to previously failed spinal fusion at the same site.
- An adjunct to multiple-level fusion, which involves three or more vertebrae (e.g., L3-L5, L4-S1, etc).

2.2.8.2.3 Documentation for Ultrasound Bone Growth Stimulator

Documentation of the following is required for prior authorization of the external, low-intensity ultrasound bone growth stimulator device (procedure code E0760):

- Nonunion of a fracture, other than the skull or vertebrae, in a skeletally mature person, which is documented by a minimum of two sets of radiographs that were:
  - Obtained prior to starting treatment with the bone growth stimulator.
  - Separated by a minimum of 90 days.
  - Taken with multiple views of the fracture site.
  - Accompanied by a written interpretation by a physician who states that there has been no clinically significant evidence of fracture healing between the two set of radiographs.
- Evidence of all of the following:
  - The fracture is not tumor related.
  - The fracture is not fresh (less than seven days), closed or grade I open, tibial diaphyseal fractures, or closed fractures of the distal radius (Colles fracture).

2.2.8.3 Claims Reimbursement for Professional Services

Professional claims that are submitted for bone growth stimulation (procedure codes 20974, 20975, and 20979) may be reimbursed if the claim includes documentation of one of the following:

- Documentation of medical necessity as outlined in subsection 2.2.8.2, "Prior Authorization Criteria and Documentation Requirements for Bone Growth Stimulators" in this handbook.
- The corresponding bone growth stimulator device was submitted within 95 days of the date the bone growth stimulation procedure was performed.

The appropriate evaluation and management (E/M) procedure code must be billed for monitoring the effectiveness of bone growth stimulation treatment.

2.2.9 Breast Feeding Support Services

Refer to: Section 3, "Breastfeeding Support Services" in the *Gynecological, Obstetrics, and Family Planning Title XIX Services Handbook* (*Vol. 2, Provider Handbooks*) for information about breastfeeding support services.