AMA/Specialty Society Relative Value Update Committee (RUC)

Final Vote Release – CPT 2022

Every year, the RUC holds three meetings to review CPT codes that are either new, revised or considered potentially misvalued by either the Centers for Medicare and Medicaid Services (CMS) or the RUC's own process of identification performed by the Relativity Assessment Workgroup (RAW). In April 2012, the RUC approved a measure to release the final total RUC voting counts for each code reviewed during the most recently completed cycle. The release of these voting records will occur each year following CMS publication.

For the CPT 2022 cycle, the RUC convened meetings on April 22-25, 2020, October 7-10, 2020, January 13-16, 2021 and April 21-24, 2021 (four meeting tabs) and the Committee's final recommendations for each meeting are submitted approximately one month after the close of each meeting. For the CPT 2022 cycle, CMS will publish all the RUC recommendations for 2022 in the Medicare Physician Payment Schedule Proposed Rule.

Further information about the RUC and its processes can be found at:

www.ama-assn.org/about-us/ruc

Below is a list of definitions and descriptions of RUC processes to help in the understanding the voting information published on the following pages:

- **CPT Code and Long Descriptor:** These first two columns simply state each individual CPT codes and Long Descriptor.
- **Pre-Facilitation (Yes/No):** Prior to each meeting, RUC members undergo a rigorous review of each CPT code's recommendation as submitted by the specialty society(ies). If significant concerns are raised by either the reviewing RUC members or the specialty society(ies) a request for prefacilitation may occur. Pre-facilitation meetings are assigned to a specific subset of RUC members and Advisors called a facilitation committee (*described below*) and can occur either by phone or on site, prior to the presentation of the code(s) during the RUC meeting. During the pre-facilitation meetings, issues are discussed and the specialty society(ies) have the opportunity (but have no obligation) to revise their recommendations.
- Specialty Work RVU modified prior to or during Presentation (Yes/No): This field indicates
 whether or not the specialty society(ies) involved in surveying a specific code have revised their
 work RVU recommendation prior to during the presentation of the code to the RUC. These
 modifications are typically made after review of pre-facilitation committee discussion (see above)
 or after consideration of RUC reviewer comments.
- Specialty Work RVU passed by RUC (Yes/No): This field indicates whether or not the initially
 presented work RVU recommendation, as presented to the RUC by the specialty society(ies), was
 approved.
- Specialty Work RVU facilitated by RUC (Yes/No): Each meeting, three facilitation committees are
 established. Each committee consists of a subset of RUC members, specialty society Advisors and a
 member of the non-MD/DO Health Care Professional Advisory Committee (HCPAC) who, when a
 code does not meet the required two-third vote for approval, meet with the appropriate specialty
 society(ies) to reach consensus on a revised work RVU and direct practice expense. At the

- conclusion of a facilitation committee meeting, a report is written providing a rationale for the revised recommendations and the RUC again votes to either approve or disapprove these work RVU recommendations.
- Specialty Work RVU modified by RUC process (Yes/No): This field indicates if, for any reason, the specialty society(ies) RVU recommendations from initial submissions were modified by the RUC process. Modifications can happen for any number of reasons: 1) a pre-facilitation committee meeting could offer alternative suggestions that the specialties include; 2) comments made during the review process or at the table during the presentation of the code could result in modifications; 3) a facilitation committee meeting can reach consensus on revised work RVUs.
- Final RUC Vote- work RVU: This field indicates the final RUC vote total for each code. These vote totals represent the final RUC determinations on each code. CPT code RVU recommendations could have changed substantially from the original specialty societies' recommendation through any of the mechanisms laid out in the fields listed in the table and described above. There are 28 voting members on the RUC. A vote total may not add up to 28 (or 29 votes following the RUC's addition of another voting member for April 2021 and beyond) for two reasons: 1) a voting member can abstain and/or 2) a voting member may not be present at the table during the vote. The RUC requires that at least 2/3 of the member voting must approve the recommendation in order for it to be submitted to CMS. A quorum, consisting of 16 member of the RUC, must be present to conduct any business.
- Final RUC Vote- Direct Practice Expense: This field indicates the final RUC vote total for each code's direct practice expense inputs (clinical labor, supplies and equipment) as recommended by the Practice Expense (PE) Subcommittee. As with the work RVU recommendations, direct PE input recommendations could have changed substantially from the original specialty societies' recommendation. The PE subcommittee meets for a full day prior to the RUC proceeding and reviews specialty society submissions for direct PE inputs and makes recommendations directly to the RUC. Following each vote on work RVUs, the RUC holds a separate vote to accept the direct PE inputs as modified and/or approved by the PE Subcommittee. The same voting protocol for work RVUs apply to direct PE inputs.

| RUC Vote | e Totals – CPT 20 | 022 Summary |
|---------------|--------------------------------------|---|
| (1 | Physician Work | ONLY) |
| Vote Total | Number of Vote Total Instances | Percentage of Vote Total Instances |
| 28-0 | 63 | 41% |
| 29-0** | 9 | 6% |
| 27-1 | 22 | 14% |
| 26-2 | 16 | 10% |
| 24-4 | 9 | 6% |
| 25-3 | 6 | 4% |
| 28-1** | 5 | 3% |
| 27-2** | 5 | 3% |
| 23-5 | 5 | 3% |
| 21-7 | 3 | 2% |
| 20-8 | 3 | 2% |
| 26-1* | 2 | 1% |
| 19-9 | 2 | 1% |
| 25-4** | 1 | 1% |
| 24-5** | 1 | 1% |
| 24-3* | 1 | 1% |
| 23-4* | 1 | 1% |
| 22-6 | 1 | 1% |

46% of all RUC Recommendations to CMS for CPT 2022 were based on unanimous votes of the Committee

^{*}Represents vote totals in which a RUC member abstained from vote.

^{**} The RUC added an additional voting member for April 2021 and beyond.

| CPT Code | CPT Long Descriptor | Notes | Pre Facilitation | Specialty work RVU modified prior to or during presentation | Initially presented Specialty work RVU passed by RUC | Specialty work RVU facilitated by RUC | Specialty work RVU modified by RUC process | Final RUC Vote: Work RVU | Final RUC Vote: PE Direct Costs |
|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 00537 | Anesthesia for cardiac electrophysiologic procedures including radiofrequency ablation | | Yes | No | Yes | No | No | 21-7 | 28-0 |
| 01XX2 | Anesthesia for percutaneous image guided injection, drainage or aspiration procedures on the spine or spinal cord; cervical or thoracic | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 01XX3 | Anesthesia for percutaneous image guided injection, drainage or aspiration procedures on the spine or spinal cord; lumbar or sacral | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 01XX4 | Anesthesia for image guided destruction procedures by neurolytic agent on the spine and spinal cord; cervical or thoracic | | Yes | No | No | No | Yes | 28-0 | 28-0 |
| 01XX5 | Anesthesia for image guided destruction procedures by neurolytic agent on the spine and spinal cord; lumbar or sacral | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 01XX6 | Anesthesia for image guided neuromodulation or intravertebral procedures (eg. kyphoplasty, vertebroplasty) in the spine and spinal cord; cervical or thoracic | | Yes | No | No | No | Yes | 23-5 | 28-0 |

Notes Legend Page 1 of 48

- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
- 5 The RUC was unable to provide a recommendation due to the lack of clarity on the purpose, use of and reporting of the code.

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 01XX7 | Anesthesia for image guided neuromodulation or intravertebral procedures (eg. kyphoplasty, vertebroplasty) in the spine and spinal cord; lumbar or sacral | | Yes | Yes | No | No | Yes | 27-1 | 28-0 |
| 21315 | Closed treatment of nasal bone fracture with manipulation; without stabilization | | Yes | No | Yes | No | No | 27-1 | 28-0 |
| 21320 | Closed treatment of nasal bone fracture with manipulation; with stabilization | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 22630 | Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar | | Yes | No | Yes | No | No | 28-1 | 29-0 |
| 22630 | Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar | 4 | Yes | No | No | No | Yes | 24-4 | N/A |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 22632 | Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 29-0 | 29-0 |
| 22632 | Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace (List separately in addition to code for primary procedure) | 4 | Yes | No | No | No | Yes | 24-4 | N/A |
| 22633 | Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; lumbar | 4 | Yes | No | No | No | Yes | 24-4 | N/A |
| 22633 | Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace; lumbar | | Yes | No | Yes | No | No | 27-2 | 29-0 |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 22634 | Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; each additional interspace and segment (List separately in addition to code for primary procedure) | 4 | Yes | No | No | No | Yes | 24-4 | N/A |
| 22634 | Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace; each additional interspace and segment (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 24-5 | 29-0 |
| 22867 | Insertion of interlaminar/interspinous process stabilization/distraction device, without fusion, including image guidance when performed, with open decompression, lumbar; single level | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 27446 | Arthroplasty, knee, condyle and plateau; medial OR lateral compartment | 4 | Yes | N/A | N/A | N/A | N/A | 28-0 | N/A |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 28001 | Incision and drainage, bursa, foot | | Yes | No | No | Yes | Yes | 28-0 | 28-0 |
| 28002 | Incision and drainage below fascia, with or without tendon sheath involvement, foot; single bursal space | | Yes | No | No | Yes | Yes | 28-0 | 28-0 |
| 28003 | Incision and drainage below fascia, with or without tendon sheath involvement, foot; multiple areas | | Yes | No | Yes | Yes | No | 28-0 | 28-0 |
| 33361 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; percutaneous femoral artery approach | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33362 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open femoral artery approach | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33363 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open axillary artery approach | | Yes | No | Yes | No | No | 26-2 | N/A |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 33364 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; open iliac artery approach | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33365 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; transaortic approach (eg, median sternotomy, mediastinotomy) | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33366 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; transapical exposure (eg, left thoracotomy) | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33367 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with percutaneous peripheral arterial and venous cannulation (eg, femoral vessels) (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 26-2 | N/A |
| 33368 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with open peripheral arterial and venous cannulation (eg, femoral, iliac, axillary vessels) (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 26-2 | N/A |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 33369 | Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with central arterial and venous cannulation (eg, aorta, right atrium, pulmonary artery) (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 26-2 | N/A |
| 338X0 | Percutaneous transluminal angioplasty of native or recurrent coarctation of the aorta(Do not report 338X0 in conjunction with 33210, 34701, 34702, 34703, 34704, 34705, 34706, 36200, 37236, 37246, 75600, 75605, 75625, 93567, 93X3X, 93X4X, 93X5X)(Do not report 338X0 in conjunction with 338X1, 338X2 for balloon angioplasty of the aorta within the coarctation stent treatment zone)(For additional congenital right heart diagnostic catheterization performed in same setting as 338X0, see 93X1X, 93X2X)(For angioplasty and other transcatheter revascularization interventions of additional upper or lower extremity vessels in same setting, use the appropriate code from the Surgery/Cardiovascular System section) | | Yes | No | No | No | Yes | 28-0 | N/A |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 338X1 | Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; across major side branches(Do not report 338X1, 338X2 in conjunction with 33210, 34701, 34702, 34703, 34704, 34705, 34706, 36200, 75600, 75605, 75625, 93567, 93X3X, 93X4X, 93X5X)(Do not report 338X1, 338X2 in conjunction with 37246, 37236, 338X0 for balloon angioplasty of the aorta within the coarctation stent treatment zone)(For additional atrial, ventricular, pulmonary, coronary or bypass graft angiography in the same setting, see 93563, 93564, 93565, 93566, 93568)(For angiography of other vascular structures, use the appropriate code from the Radiology/Diagnostic Radiology section)(For additional congenital right heart catheterization at same setting as 338X1, 338X2, see 93X1X, 93X2X) | | Yes | No | No | No | Yes | 26-1 | N/A |

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|-------------|---|-------|-----|---|--|--|---|-----------------------------------|--|
| 338X2 | Endovascular stent repair of coarctation of the ascending, transverse, or descending thoracic or abdominal aorta, involving stent placement; not crossing major side branches(Do not report 338X1, 338X2 in conjunction with 33210, 34701, 34702, 34703, 34704, 34705, 34706, 36200, 75600, 75605, 75625, 93567, 93X3X, 93X4X, 93X5X)(Do not report 338X1, 338X2 in conjunction with 37246, 37236, 338X0 for balloon angioplasty of the aorta within the coarctation stent treatment zone)(For additional atrial, ventricular, pulmonary, coronary or bypass graft angiography in the same setting, see 93563, 93564, 93565, 93566, 93568)(For angiography of other vascular structures, use the appropriate code from the Radiology/Diagnostic Radiology section)(For additional congenital right heart catheterization at same setting as 338X1, 338X2, see 93X1X, 93X2X) | | Yes | No | No | No | Yes | 28-0 | N/A |
| 33XX3 | Exclusion of left atrial appendage, open, any method (eg, excision, isolation via stapling, oversewing, ligation, plication, clip) | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 33XX4 | Exclusion of left atrial appendage, open, performed at the time of other sternotomy or thoracotomy procedure(s), any method (eg, excision, isolation via stapling, oversewing, ligation, plication, clip) (List separately in addition to code for primary procedure) | | Yes | No | No | No | Yes | 26-2 | 28-0 |
| 33XX5 | Exclusion of left atrial appendage, thoracoscopic, any method (eg, excision, isolation via stapling, oversewing, ligation, plication, clip) | | Yes | No | No | No | Yes | 26-2 | 28-0 |
| 33XXX | Transcatheter placement and subsequent removal of cerebral embolic protection device(s), including arterial access, catheterization, imaging, and radiological supervision and interpretation, percutaneous (list separately in addition to code for primary procedure) (Use 33xxx in conjunction with 33361, 33362, 33363, / 33364, 33365, 33366) | - | Yes | No | No | No | Yes | 28-0 | N/A |
| 35600 | Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure, open | | Yes | No | Yes | No | No | 26-2 | N/A |
| 35600 | Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure, open | | Yes | No | No | Yes | Yes | 27-1 | 27-1 |

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|-------------|--|-------|-----|---|--|--|---|-----------------------------------|--|
| 35XX0 | Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure, endoscopic | | Yes | No | No | Yes | Yes | 27-1 | 27-1 |
| 35XX0 | Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure, endoscopic | | Yes | No | Yes | No | No | 26-2 | N/A |
| 38505 | Biopsy or excision of lymph node(s); by needle, superficial (eg, cervical, inguinal, axillary) | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 42XX0 | Drug induced sleep endoscopy; with dynamic evaluation of velum, pharynx, tongue base, and largynx for evaluation of sleep disordered breathing; flexible, diagnostic | | Yes | No | No | No | Yes | 25-3 | 28-0 |
| 42XXX | Drug induced sleep endoscopy; with dynamic evaluation of velum, pharynx, tongue base, and largynx for evaluation of sleep disordered breathing; flexible, diagnostic | | | No | Yes | No | No | 29-0 | 29-0 |
| 434XX | Lower esophageal myotomy, transoral (ie, peroral endoscopic myotomy [POEM]) | | Yes | No | Yes | No | No | 27-1 | 28-0 |
| 46020 | Placement of seton | | Yes | No | Yes | No | No | 27-1 | 28-0 |

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^{1 -} Reviewed for direct PE inputs only

^{2 -} RUC recommended carrier pricing

^{3 -} RUC recommended referral to CPT Editorial Panel

^{4 -} RUC recommended referral to next RUC meeting

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 46030 | Removal of anal seton, other marker | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 53XX1 | Periurethral transperineal adjustable balloon continence device; bilateral insertion, including cystourethroscopy and imaging guidance | 2 | Yes | No | Yes | No | No | 28-0 | N/A |
| 53XX2 | Periurethral transperineal adjustable balloon continence device; unilateral insertion, including cystourethroscopy and imaging guidance | 2 | Yes | No | Yes | No | No | 28-0 | N/A |
| 53XX3 | Periurethral transperineal adjustable balloon continence device; removal, each balloon | 2 | Yes | No | Yes | No | No | 28-0 | N/A |
| 53XX4 | Periurethral transperineal adjustable balloon continence device; percutaneous adjustment of balloon(s) fluid volume | 2 | Yes | No | Yes | No | No | 28-0 | N/A |
| 617X1 | Laser interstitial thermal therapy (LITT) of lesion, intracranial, including burr hole(s), with magnetic resonance imaging guidance, when performed; single trajectory for 1 simple lesion(Do not report 617X1, in conjunction with 20660, 617X2, 61781, 70551, 70552, 70553, 70557, 70558, 70559, 77021, 77022) | | Yes | No | Yes | No | No | 20-8 | 28-0 |

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| 617X2 | Laser interstitial thermal therapy (LITT) of lesion, intracranial, including burr hole(s), with magnetic resonance imaging guidance, when performed; multiple trajectories for multiple or complex lesion(s) (Do not report 617X2 in conjunction with 20660, 617X1, 61781, 70551, 70552, 70553, 70557, 70558, 70559, 77021, 77022) | | Yes | No | Yes | No | No | 26-2 | 28-0 |
| 630X1 | Laminectomy, facetectomy, or foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s] [eg, spinal or lateral recess stenosis]), during posterior interbody arthrodesis, lumbar; each additional segment (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 27-2 | 29-0 |
| 630X1 | Laminectomy, facetectomy, or foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s] [eg, spinal or lateral recess stenosis]), during posterior interbody arthrodesis, lumbar; each additional segment (List separately in addition to code for primary procedure)(Use 630X1 in conjunction with 630XX)(Use 630XX, 630X1 in conjunction with 22630, 22632, 22633, 22634) | 4 | Yes | No | No | No | Yes | 25-3 | N/A |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 630XX | Laminectomy, facetectomy, or foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s] [eg, spinal or lateral recess stenosis]), during posterior interbody arthrodesis, lumbar; single vertebral segment (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 29-0 | 29-0 |
| 630XX | Laminectomy, facetectomy, or foraminotomy (unilateral or bilateral with decompression of spinal cord, cauda equina and/or nerve root[s] [eg, spinal or lateral recess stenosis]), during posterior interbody arthrodesis, lumbar; single vertebral segment (List separately in addition to code for primary procedure)(Use 630X1 in conjunction with 630XX)(Use 630XX, 630X1 in conjunction with 22630, 22632, 22633, 22634) | 4 | Yes | No | Yes | No | No | 22-6 | N/A |
| 645X1 | Open implantation of hypoglossal nerve neruostimulator array, pulse generator, and distal respiratory sensor electrode or electrode array | | Yes | No | Yes | No | No | 19-9 | 28-0 |
| 645X2 | Revision or replacement of hypoglossal nerve neruostimulator array and distal respiratory sensor electrode or electrode array, including connection to an existing pulse generator | | Yes | Yes | No | No | Yes | 25-3 | 28-0 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 645X3 | Removal of hypoglossal nerve neruostimulator array, pulse generator, and distal respiratory sensor electrode or electrode array | | Yes | No | Yes | No | No | 23-5 | 28-0 |
| 64633 | Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); cervical or thoracic, single facet joint | | Yes | Yes | No | No | Yes | 27-1 | 28-0 |
| 64634 | Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); cervical or thoracic, each additional facet joint (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 26-2 | 28-0 |
| 64635 | Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); lumbar or sacral, single facet joint | | Yes | No | Yes | No | No | 20-8 | 28-0 |
| 64636 | Destruction by neurolytic agent, paravertebral facet joint nerve(s), with imaging guidance (fluoroscopy or CT); lumbar or sacral, each additional facet joint (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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- 1 Reviewed for direct PE inputs only
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 646X0 | Thermal destruction of intraosseous basivertebral nerve, inclusive of all imaging guidance; first two vertebral bodies, lumbar or sacral | | Yes | No | No | Yes | Yes | 28-0 | 28-0 |
| 646X1 | Thermal destruction of intraosseous basivertebral nerve, inclusive of all imaging guidance; each additional vertebral body, lumbar or sacral (List separately in addition to code for primary procedure)(Do not report 646X0, 646X1 in conjunction with 77003, 77012) | | Yes | No | Yes | Yes | No | 28-0 | 28-0 |
| 66174 | Transluminal dilation of aqueous outflow canal; without retention of device or stent | | Yes | Yes | No | Yes | Yes | 28-0 | 28-0 |
| 66175 | Transluminal dilation of aqueous outflow canal; with retention of device or stent | | Yes | No | Yes | Yes | No | 28-0 | 28-0 |

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1 - Reviewed for direct PE inputs only

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 66982 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1-stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification), complex, requiring devices or techniques not generally used in routine cataract surgery (eg, iris expansion device, suture support for intraocular lens, or primary posterior capsulorrhexis) or performed on patients in the amblyogenic developmental stage; without endoscopic cyclophotocoagulation | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 66984 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1 stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification); without endoscopic cyclophotocoagulation | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 66987 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1-stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification), complex, requiring devices or techniques not generally used in routine cataract surgery (eg, iris expansion device, suture support for intraocular lens, or primary posterior capsulorrhexis) or performed on patients in the amblyogenic developmental stage; with endoscopic cyclophotocoagulation | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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- 1 Reviewed for direct PE inputs only
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 66988 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1 stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification); with endoscopic cyclophotocoagulation | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 669X1 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1-stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification), complex, requiring devices or techniques not generally used in routine cataract surgery (eg, iris expansion device, suture support for intraocular lens, or primary posterior capsulorrhexis) or performed on patients in the amblyogenic developmental stage; with insertion of intraocular (eg, trabecular meshwork, supraciliary, suprachoroidal) anterior segment aqueous drainage device, without extraocular reservoir, internal approach, one or more | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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- 1 Reviewed for direct PE inputs only
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- 3 RUC recommended referral to CPT Editorial Panel
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 669X2 | Extracapsular cataract removal with insertion of intraocular lens prosthesis (1 stage procedure), manual or mechanical technique (eg, irrigation and aspiration or phacoemulsification); with insertion of intraocular (eg, trabecular meshwork, supraciliary, suprachoroidal) anterior segment aqueous drainage device, without extraocular reservoir, internal approach, one or more | | Yes | Yes | No | No | Yes | 27-1 | 28-0 |
| 67141 | Prophylaxis of retinal detachment (eg, retinal break, lattice degeneration) without drainage;cryotherapy, diathermy | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 67145 | Prophylaxis of retinal detachment (eg, retinal break, lattice degeneration) without drainage;photocoagulation | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 67311 | Strabismus surgery, recession or resection procedure; 1 horizontal muscle | | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67312 | Strabismus surgery, recession or resection procedure; 2 horizontal muscles | | Yes | Yes | No | No | Yes | 27-1 | 28-0 |

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- 1 Reviewed for direct PE inputs only
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|-------------|--|---------------------------|---|--|--|---|-----------------------------------|--|
| 67314 | Strabismus surgery, recession or resection procedure; 1 vertical muscle (excluding superior oblique) | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67316 | Strabismus surgery, recession or resection procedure; 2 or more vertical muscles (excluding superior oblique) | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67318 | Strabismus surgery, any procedure, superior oblique muscle | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67320 | Transposition procedure (eg, for paretic extraocular muscle), any extraocular muscle (specify) (List separately in addition to code for primary procedure) | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67331 | Strabismus surgery on patient with previous eye surgery or injury that did not involve the extraocular muscles (List separately in addition to code for primary procedure) | Yes | Yes | No | No | Yes | 28-0 | 28-0 |

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^{1 -} Reviewed for direct PE inputs only

^{2 -} RUC recommended carrier pricing

^{3 -} RUC recommended referral to CPT Editorial Panel

^{4 -} RUC recommended referral to next RUC meeting

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 67332 | Strabismus surgery on patient with scarring of extraocular muscles (eg, prior ocular injury, strabismus or retinal detachment surgery) or restrictive myopathy (eg, dysthyroid ophthalmopathy) (List separately in addition to code for primary procedure) | | Yes | Yes | No | No | Yes | 27-1 | 28-0 |
| 67334 | Strabismus surgery by posterior fixation suture technique, with or without muscle recession (List separately in addition to code for primary procedure) | | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67335 | Placement of adjustable suture(s) during strabismus surgery, including postoperative adjustment(s) of suture(s) (List separately in addition to code for specific strabismus surgery) | | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 67340 | Strabismus surgery involving exploration and/or repair of detached extraocular muscle(s) (List separately in addition to code for primary procedure) | | Yes | Yes | No | No | Yes | 28-0 | 28-0 |
| 68XXX | Insertion of drug-eluting implant, including punctal dilation, when performed, into lacrimal canaliculus, each | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 69714 | Implantation, osseointegrated implant, skull; with percutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 26-2 | 28-0 |
| 69714 | Implantation, osseointegrated implant, skull; with percutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |
| 69717 | Revision/replacement (including removal of existing device), osseointegrated implant, skull; with percutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |
| 69717 | Revision/replacement (including removal of existing device), osseointegrated implant, skull; with percutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 24-3 | 28-0 |
| 69X50 | Implantation, osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |

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^{1 -} Reviewed for direct PE inputs only

^{2 -} RUC recommended carrier pricing

^{3 -} RUC recommended referral to CPT Editorial Panel

^{4 -} RUC recommended referral to next RUC meeting

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 69X50 | Implantation, osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 27-1 | 28-0 |
| 69X51 | Revision/replacement (including removal of existing device), osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 27-1 | 28-0 |
| 69X51 | Revision/replacement (including removal of existing device), osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |
| 69X52 | Removal, osseointegrated implant, skull; with percutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |
| 69X52 | Removal, osseointegrated implant, skull; with percutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 27-1 | 28-0 |

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1 - Reviewed for direct PE inputs only

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^{2 -} RUC recommended carrier pricing

^{3 -} RUC recommended referral to CPT Editorial Panel

^{4 -} RUC recommended referral to next RUC meeting

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 69X53 | Removal, osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 4 | Yes | Yes | No | Yes | Yes | 27-1 | 28-0 |
| 69X53 | Removal, osseointegrated implant, skull; with magnetic transcutaneous attachment to external speech processor | 3 | | N/A | N/A | N/A | N/A | 29-0 | 29-0 |
| 74300 | Cholangiography and/or pancreatography; intraoperative, radiological supervision and interpretation | | Yes | No | Yes | No | No | 28-0 | N/A |
| 74301 | Cholangiography and/or pancreatography; additional set intraoperative, radiological supervision and interpretation (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 28-0 | N/A |
| 74328 | Endoscopic catheterization of the biliary ductal system, radiological supervision and interpretation | | Yes | No | Yes | No | No | 28-0 | N/A |
| 74329 | Endoscopic catheterization of the pancreatic ductal system, radiological supervision and interpretation | | Yes | No | Yes | No | No | 28-0 | N/A |

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^{1 -} Reviewed for direct PE inputs only

^{2 -} RUC recommended carrier pricing

^{3 -} RUC recommended referral to CPT Editorial Panel

^{4 -} RUC recommended referral to next RUC meeting

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 74330 | Combined endoscopic catheterization of the biliary and pancreatic ductal systems, radiological supervision and interpretation | | Yes | No | Yes | No | No | 28-0 | N/A |
| 77X01 | Trabecular bone score (TBS), structural condition of the bone microarchitecture; using dual x-ray absorptiometry (DXA) or other imaging data on gray-scale variogram, calculation, with interpretation and report on fracture risk | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 77X02 | Trabecular bone score (TBS), structural condition of the bone microarchitecture; technical preparation and transmission of data for analysis to be performed elsewhere | 1 | Yes | N/A | N/A | N/A | N/A | N/A | 28-0 |
| 77X03 | Trabecular bone score (TBS), structural condition of the bone microarchitecture; technical calculation only | 1 | Yes | N/A | N/A | N/A | N/A | N/A | 28-0 |
| 77X04 | Trabecular bone score (TBS), structural condition of the bone microarchitecture; interpretation and report on fracture risk only, by other qualified healthcare professional | | Yes | No | Yes | No | No | 28-0 | 28-0 |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 80XX0 | Pathology clinical consultation; for a clinical problem with limited review of patient's history and medical records and straightforward medical decision making. When using time for code selection, 5-20 minutes of total time is spent on the date of the consultation | | Yes | No | Yes | No | No | 26-1 | 28-0 |
| 80XX1 | Pathology clinical consultation; for a moderately complex clinical problem, with review of patients history and medical records and moderate level of medical decision making. When using time for code selection, 21-40 minutes of total time is spent on the date of the consultation. | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 80XX2 | Pathology clinical consultation; for a highly complex clinical problem, with comprehensive review of patients history and medical records and high level of medical decision making. When using time for code selection, 41-60 minutes of total time is spent on the date of the consultation. | | Yes | No | Yes | No | No | 21-7 | 28-0 |
| 80XX3 | Pathology clinical consultation; prolonged service, each additional 30 minutes (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 27-1 | 28-0 |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 91110 | Gastrointestinal tract imaging, intraluminal (eg, capsule endoscopy), esophagus through ileum, with interpretation and report | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 91111 | Gastrointestinal tract imaging, intraluminal (eg, capsule endoscopy), esophagus with interpretation and report | | Yes | No | Yes | No | No | 27-1 | 28-0 |
| 9111X | Gastrointestinal tract imaging, intraluminal (eg, capsule endoscopy), colon, withinterpretation and report | | Yes | Yes | Yes | No | No | 28-0 | 28-0 |
| 92065 | Orthoptic and/or pleoptic training, with continuing medical direction and evaluation | 3 | Yes | N/A | N/A | N/A | N/A | 28-0 | N/A |
| 93228 | External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real time data analysis and greater than 24 hours of accessible ecg data storage (retrievable with query) with ecg triggered and patient selected events transmitted to a remote attended surveillance center for up to 30 days; review and interpretation with report by a physician or other qualified health care professional | | Yes | No | Yes | No | No | 27-1 | N/A |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93229 | External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real time data analysis and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG triggered and patient selected events transmitted to a remote attended surveillance center for up to 30 days; technical support for connection and patient instructions for use, attended surveillance, analysis and transmission of daily and emergent data reports as prescribed by a physician or other qualified health care professional | 1 | Yes | N/A | N/A | N/A | N/A | N/A | 27-1 |
| 933X0 | 3D echocardiographic imaging and postprocessing during transesophageal echocardiography or transthoracic echocardiography for congenital cardiac anomalies for the assessment of cardiac structure(s) (eg, cardiac chambers and valves, left atrial appendage, intraterial septum, interventricular septum) and function, when performed (List separately in addition to code for echocardiographic imaging) | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 93613 | Intracardiac electrophysiologic 3-dimensional mapping (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 28-1 | No PE |

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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93621 | Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 28-1 | No PE |
| 93621 | Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separately in addition to code for primary procedure) | | | Yes | No | No | Yes | 28-0 | N/A |
| 93621 | Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separately in addition to code for primary procedure) | | Yes | Yes | No | No | Yes | 24-4 | N/A |

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- 1 Reviewed for direct PE inputs only
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93653 | Comprehensive electrophysiologic evaluation including with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording, and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and his bundle recording, when performed treatment of supraventricular tachycardia by ablation of fast or slow atrioventricular pathway, accessory atrioventricular connection, cavotricuspid isthmus or other single atrial focus or source of atrial re-entry(Do not report 93653 in conjunction with 93600, 93602, 93603, 93610, 93612, 93613, 93618, 93619, 93620, 93621, 93642, 93654, 93656) | | Yes | No | Yes | No | No | 20-8 | N/A |

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1 - Reviewed for direct PE inputs only

- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93653 | Comprehensive electrophysiologic evaluation including with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording, and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and his bundle recording, when performed treatment of supraventricular tachycardia by ablation of fast or slow atrioventricular pathway, accessory atrioventricular connection, cavotricuspid isthmus or other single atrial focus or source of atrial re-entry(Do not report 93653 in conjunction with 93600, 93602, 93603, 93610, 93612, 93613, 93618, 93619, 93620, 93621, 93642, 93654, 93656) | | Yes | No | Yes | No | No | 27-2 | No PE |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
- 5 The RUC was unable to provide a recommendation due to the lack of clarity on the purpose, use of and reporting of the code.

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93654 | Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording, and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; with treatment of ventricular tachycardia or focus of ventricular ectopy including left ventricular pacing and recording, when performed (Do not report 93654 in conjunction with 93279-93284, 93286-93289, 93600-93603, 93609, 93610, 93612, 93613, 93618-93620, 93622, 93642, 93653, 93656) | | Yes | No | Yes | No | No | 28-1 | No PE |

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- 1 Reviewed for direct PE inputs only
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- 3 RUC recommended referral to CPT Editorial Panel
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93654 | Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording, and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; with treatment of ventricular tachycardia or focus of ventricular ectopy including left ventricular pacing and recording, when performed (Do not report 93654 in conjunction with 93279-93284, 93286-93289, 93600-93603, 93609, 93610, 93612, 93613, 93618-93620, 93622, 93642, 93653, 93656) | | Yes | No | Yes | No | No | 27-1 | N/A |
| 93655 | Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia (List separately in addition to code for primary procedure) (Use 93655 in conjunction with 93653, 93654, 93656) | | Yes | No | No | No | Yes | 25-3 | N/A |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93655 | Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia (List separately in addition to code for primary procedure) (Use 93655 in conjunction with 93653, 93654, 93656) | | Yes | No | Yes | No | No | 25-4 | No PE |
| 93656 | Comprehensive electrophysiologic evaluation including transseptal catheterizations, insertion and repositioning of multiple electrode catheters with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation, including intracardiac electrophysiologic 3-dimensional mapping, intracardiac echocardiography including imaging supervision and interpretation, induction or attempted induction of an arrhythmia including left or right atrial pacing/recording, right ventricular pacing/recording, and his bundle recording, when performed(Do not report 93656 in conjunction with 93279, 93280, 93281, 93282, 93283, 93284, 93286, 93287, 93288, 93289, 93462, 93600, 93602, 93603, 93610, 93612, 93613, 93618, 93619, 93620, 93621, 93653, 93654, 93662) | | Yes | No | Yes | No | No | 28-1 | No PE |

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- 1 Reviewed for direct PE inputs only
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- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93656 | Comprehensive electrophysiologic evaluation including transseptal catheterizations, insertion and repositioning of multiple electrode catheters with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation, including intracardiac electrophysiologic 3-dimensional mapping, intracardiac echocardiography including imaging supervision and interpretation, induction or attempted induction of an arrhythmia including left or right atrial pacing/recording, right ventricular pacing/recording, and his bundle recording, when performed(Do not report 93656 in conjunction with 93279, 93280, 93281, 93282, 93283, 93284, 93286, 93287, 93288, 93289, 93462, 93600, 93602, 93603, 93610, 93612, 93613, 93618, 93619, 93620, 93621, 93653, 93654, 93662) | | Yes | No | No | No | Yes | 27-1 | N/A |
| 93657 | Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (List separately in addition to code for primary procedure) (Use 93657 in conjunction with 93656) | | Yes | No | Yes | No | No | 27-2 | No PE |

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- 1 Reviewed for direct PE inputs only
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93657 | Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (List separately in addition to code for primary procedure) (Use 93657 in conjunction with 93656) | | Yes | No | No | No | Yes | 27-1 | N/A |
| 93662 | Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (List separately in addition to code for primary procedure) | | Yes | No | | No | | 27-2 | No PE |
| 93X1X | Right heart catheterization or congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone for hemodynamic evaluation; normal or abnormal native connections. | | Yes | No | Yes | Yes | No | 28-0 | N/A |
| 93X2X | Right heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone; abnormal native connections. | | Yes | No | Yes | No | No | 28-0 | N/A |

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- 1 Reviewed for direct PE inputs only
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- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93X3X | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed | | Yes | No | Yes | Yes | No | 28-0 | N/A |
| 93X4X | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s) for hemodynamic evaluation; normal native connections. | | Yes | No | Yes | Yes | No | 28-0 | N/A |
| 93X5X | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s); abnormal connections | | Yes | No | No | Yes | Yes | 28-0 | N/A |

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1 - Reviewed for direct PE inputs only

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 93X6X | Cardiac output measurement(s), thermodilution or other indicator dilution method, performed during cardiac catheterization for the evaluation of congenital heart defects(List separately in addition to code for primary procedure)(Use 93x6x in conjunction with 93x1x, 93x2x, 93x3x, 93x4x, 93x5x)(Do not report 93x6x in conjunction with 93451-93461)(For pharmacologic agent administration during cardiac catheterization for congenital heart defect[s], use 93463)(For physiological exercise study with cardiac catheterization for congenital heart defect[s], use 93464)(For indicator dilution studies such as thermodilution for cardiac output measurement during cardiac catheterization for congenital heart defect[s], use 93x6x)(For contrast injections during cardiac catheterization for congenital heart defect[s], see 93563, 93564, 93565, 93566, 93567, 93568)(For angiography or venography not described in the 90000 series code section, see appropriate codes from the radiology and the medicine/vascular injection procedure subsection)(For transseptal or transapical access of the left atrium during cardiac catheterization for congenital heart defect[s], use 93462 in conjunction with 93x3x, 93x4x, 93x5x, as appropriate) | | Yes | No | No | Yes | Yes | 28-0 | N/A |

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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 946X1 | Physician or other qualified health care professional services for outpatient pulmonary rehabilitation; without continuous oximetry monitoring (per session). | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 946X2 | Physician or other qualified health care professional services for outpatient pulmonary rehabilitation; with continuous oximetry monitoring (per session) / (do not report 946x1, 946x2 in conjunction with 94760, 94761). | | Yes | No | Yes | No | No | 28-0 | 28-0 |
| 989X1 | Remote therapeutic monitoring (eg, respiratory system status, musculoskeletal system status, therapy adherence, therapy response); initial setup and patient education on use of equipment | 1 | Yes | N/A | N/A | N/A | N/A | N/A | 28-0 |
| 989X2 | Remote therapeutic monitoring (eg, respiratory system status, musculoskeletal system status, therapy adherence, therapy response); device(s) supply with scheduled (eg, daily) recording(s) and/or programmed alert(s) transmission to monitor | | Yes | N/A | N/A | N/A | N/A | N/A | 28-0 |

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- 1 Reviewed for direct PE inputs only
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 989X3 | Remote therapeutic monitoring (eg, respiratory system status, musculoskeletal system status, therapy adherence, therapy response); device(s) supply with scheduled (eg, daily) recording(s) and/or programmed alert(s) transmission to monitor musculoskeletal system, each 30 days | 1 | Yes | N/A | N/A | N/A | N/A | N/A | 28-0 |
| 989X4 | Remote therapeutic monitoring treatment management services, physician/other qualified health care professional time in a calendar month requiring at least one interactive communication with the patient/caregiver during the calendar month; first 20 minutes | | Yes | No | Yes | No | No | 24-4 | 28-0 |
| 989X5 | Remote therapeutic monitoring treatment management services, physician/other qualified health care professional time in a calendar month requiring at least one interactive communication with the patient/caregiver during the calendar month; each additional 20 minutes (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 25-3 | 28-0 |
| 99358 | Prolonged evaluation and management service before and/or after direct patient care; first hour | 3 | Yes | N/A | N/A | N/A | N/A | 27-1 | N/A |

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- 1 Reviewed for direct PE inputs only
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- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99359 | Prolonged evaluation and management service before and/or after direct patient care; each additional 30 minutes (List separately in addition to code for prolonged service) | 3 | Yes | N/A | N/A | N/A | N/A | 27-1 | N/A |
| 99439 | Chronic care management services, with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient; chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline; comprehensive care plan established, implemented, revised, or monitored each additional 20 minutes of clinical staff time directed by a physician or other qualified health care professional, per calendar month. (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 23-5 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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| CPT Code | CPT Long Descriptor | Notes | Pre Facilitation | Specialty work RVU modified prior to or during presentation | Initially presented Specialty work RVU passed by RUC | Specialty work RVU facilitated by RUC | Specialty work RVU modified by RUC process V | Final RUC Vote: Vork RVU | Final RUC Vote: PE Direct Costs |
|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99487 | Complex chronic care management services, with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient, chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline, comprehensive care plan established, implemented, revised, or monitored, moderate or high complexity medical decision making; first 60 minutes of clinical staff time directed by a physician or other qualified health care professional, per calendar month. | | Yes | No | Yes | No | No | 21-7 | 26-2 |
| 99489 | Complex chronic care management services, with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient, chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline, comprehensive care plan established, implemented, revised, or monitored, moderate or high complexity medical decision making; each additional 30 minutes of clinical staff time directed by a physician or other qualified health care professional, per calendar month (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 24-4 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
- 5 The RUC was unable to provide a recommendation due to the lack of clarity on the purpose, use of and reporting of the code.

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|-------------|--|-------|-----|---|--|--|---|-----------------------------------|--|
| 99490 | Chronic care management services, with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient; chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline; comprehensive care plan established, implemented, revised, or monitored.: first 20 minutes of clinical staff time directed by a physician or other qualified health care professional, per calendar month. | | Yes | No | Yes | No | No | 23-5 | 26-2 |
| 99491 | Chronic care management services with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient, chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline, comprehensive care plan established, implemented, revised, or monitored; first 30 minutes, provided personally by a physician or other qualified health care professional, per calendar month. | | Yes | No | Yes | No | No | 25-3 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99X21 | Chronic care management services with the following required elements: multiple (two or more) chronic conditions expected to last at least 12 months, or until the death of the patient, chronic conditions that place the patient at significant risk of death, acute exacerbation/decompensation, or functional decline, comprehensive care plan established, implemented, revised, or monitored; each additional 30 minutes by a physician or other qualified health care professional, per calendar month (List separately in addition to code for primary procedure) | | Yes | No | Yes | No | No | 23-5 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99X22 | Principal care management services, for a single high-risk disease, with the following required elements: one complex chronic condition expected to last at least 3 months, the condition places the patient at significant risk of hospitalization, acute exacerbation/decompensation, functional decline, or death, the condition requires development or revision of disease-specific care plan, the condition requires frequent adjustments in the medication regimen, and/or the management of the condition is unusually complex due to comorbidities, ongoing communication and care coordination between all practitioners furnishing care; first 30 minutes provided personally by a physician or other qualified health care professional, per calendar month | | Yes | No | Yes | No | No | 19-9 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99X23 | Principal care management services, for a single high-risk disease, with the following required elements: one complex chronic condition expected to last at least 3 months, and which places the patient at significant risk of hospitalization, acute exacerbation/decompensation, functional decline, or death,the condition requires development, monitoring, or revision of diseasespecific care plan,the condition requires frequent adjustments in the medication regimen, and/or the management of the condition is unusually complex due to comorbiditiesongoing communication and care coordination between relevant practitioners furnishing care; additional 30 minutes provided personally by a physician or other qualified health care professional, per calendar month | | Yes | No | Yes | No | No | 23-4 | 26-2 |

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- 1 Reviewed for direct PE inputs only
- 2 RUC recommended carrier pricing
- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|--|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99X24 | Principal care management services, for a single high-risk disease, with the following required elements; one complex chronic condition expected to last at least 3 months, and which places the patient at significant risk of hospitalization, acute exacerbation/decompensation, functional decline, or death, the condition requires development, monitoring, or revision of disease-specific care plan, the condition requires frequent adjustments in the medication regimen, and/or the management of the condition is unusually complex due to comorbidities, ongoing communication and care coordination between relevant practitioners furnishing care; first 30 minutes of clinical staff time directed by physician or other qualified health care professional, per calendar month. | | Yes | No | Yes | No | No | 24-4 | 26-2 |

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1 - Reviewed for direct PE inputs only

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- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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|-------------|---|-------|---------------------|---|--|--|---|-----------------------------------|--|
| 99X25 | Principal care management services, for a single high-risk disease, with the following required elements; one complex chronic condition expected to last at least 3 months, and which places the patient at significant risk of hospitalization, acute exacerbation/decompensation, functional decline, or death, the condition requires development, monitoring, or revision of disease-specific care plan, the condition requires frequent adjustments in the medication regimen, and/or the management of the condition is unusually complex due to comorbidities, ongoing communication and care coordination between relevant practitioners furnishing care; each additional 30 minutes of clinical staff time directed by a physician or other qualified health care professional, per calendar month | | Yes | Yes | No | No | Yes | 24-4 | 26-2 |

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- 3 RUC recommended referral to CPT Editorial Panel
- 4 RUC recommended referral to next RUC meeting
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