

ICD-9 Codes for Texas HAI Reporting

| HAI | NHSN Description | ICD-9 Code | NHSN Operative Procedure | NHSN Note |
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| General Hospitals and Ambulatory Surgical Centers | | | | |
| Colon Surgery | | | | |
| COLO | Colon surgery | 17.31 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic multiple segmental resection of large intestine |
| COLO | Colon surgery | 17.32 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic cecectomy |
| COLO | Colon surgery | 17.33 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic right hemicolectomy |
| COLO | Colon surgery | 17.34 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic resection of transverse colon |
| COLO | Colon surgery | 17.35 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic left hemicolectomy |
| COLO | Colon surgery | 17.36 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic sigmoidectomy |
| COLO | Colon surgery | 17.39 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other laparoscopic partial excision of large intestine |
| COLO | Colon surgery | 45.03 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Incision of large intestine |
| COLO | Colon surgery | 45.26 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open biopsy of large intestine |
| COLO | Colon surgery | 45.41 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Excision of lesion or tissue of large intestine |

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| COLO | Colon surgery | 45.49 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other destruction of lesion of large intestine |
| COLO | Colon surgery | 45.52 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Isolation of segment of large intestine |
| COLO | Colon surgery | 45.71 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other multiple segmental resection of large intestine |
| COLO | Colon surgery | 45.72 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other cecectomy |
| COLO | Colon surgery | 45.73 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other right hemicolectomy |
| COLO | Colon surgery | 45.74 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other resection of transverse colon |
| COLO | Colon surgery | 45.75 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other left hemicolectomy |
| COLO | Colon surgery | 45.76 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open and other sigmoidectomy |
| COLO | Colon surgery | 45.79 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other and unspecified partial excision of large intestine |
| COLO | Colon surgery | 45.81 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Laparoscopic total intra-abdominal colectomy |
| COLO | Colon surgery | 45.82 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Open total intra-abdominal colectomy |
| COLO | Colon surgery | 45.83 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other and unspecified total intra-abdominal colectomy |
| COLO | Colon surgery | 45.92 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Anastomosis of small intestine to rectal stump |

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| COLO | Colon surgery | 45.93 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other small-to-large intestinal anastomosis |
| COLO | Colon surgery | 45.94 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Large-to-large intestinal anastomosis |
| COLO | Colon surgery | 45.95 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Anastomosis to anus |
| COLO | Colon surgery | 46.03 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Exteriorization of large intestine |
| COLO | Colon surgery | 46.04 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Resection of exteriorized segment of large intestine |
| COLO | Colon surgery | 46.10 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Colostomy, not otherwise specified |
| COLO | Colon surgery | 46.11 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Temporary colostomy |
| COLO | Colon surgery | 46.13 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Permanent colostomy |
| COLO | Colon surgery | 46.14 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Delayed opening of colostomy |
| COLO | Colon surgery | 46.43 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Other revision of stoma of large intestine |
| COLO | Colon surgery | 46.52 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Closure of stoma of large intestine |
| COLO | Colon surgery | 46.75 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Suture of laceration of large intestine |
| COLO | Colon surgery | 46.76 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Closure of fistula of large intestine |

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| COLO | Colon surgery | 46.94 | Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations | Revision of anastomosis of large intestine |
| Hip Arthroplasties | | | | |
| HPRO | Hip prosthesis | 00.70 | Arthroplasty of hip | Revision of hip replacement, both acetabular and femoral components |
| HPRO | Hip prosthesis | 00.71 | Arthroplasty of hip | Revision of hip replacement, acetabular component |
| HPRO | Hip prosthesis | 00.72 | Arthroplasty of hip | Revision of hip replacement, femoral component |
| HPRO | Hip prosthesis | 00.73 | Arthroplasty of hip | Revision of hip replacement, acetabular liner and/or femoral head only |
| HPRO | Hip prosthesis | 00.85 | Arthroplasty of hip | Resurfacing hip, total, acetabulum and femoral head |
| HPRO | Hip prosthesis | 00.86 | Arthroplasty of hip | Resurfacing hip, partial, femoral head |
| HPRO | Hip prosthesis | 00.87 | Arthroplasty of hip | Resurfacing hip, partial, acetabulum |
| HPRO | Hip prosthesis | 81.51 | Arthroplasty of hip | Total hip replacement |
| HPRO | Hip prosthesis | 81.52 | Arthroplasty of hip | Partial hip replacement |
| HPRO | Hip prosthesis | 81.53 | Arthroplasty of hip | Revision of hip replacement, not otherwise specified |
| Knee Arthroplasties | | | | |
| KPRO | Knee prosthesis | 00.80 | Arthroplasty of knee | Revision of knee replacement, total |
| KPRO | Knee prosthesis | 00.81 | Arthroplasty of knee | Revision of knee replacement, tibial component |
| KPRO | Knee prosthesis | 00.82 | Arthroplasty of knee | Revision of knee replacement, femoral component |
| KPRO | Knee prosthesis | 00.83 | Arthroplasty of knee | Revision of knee replacement, patellar component |
| KPRO | Knee prosthesis | 00.84 | Arthroplasty of knee | Revision of total knee replacement, tibial insert (liner) |
| KPRO | Knee prosthesis | 81.54 | Arthroplasty of knee | Total knee replacement |
| KPRO | Knee prosthesis | 81.55 | Arthroplasty of knee | Revision of knee replacement, not otherwise specified |
| Abdominal Hysterectomies | | | | |
| HYST | Abdominal hysterectomy | 68.31 | Removal of uterus through an abdominal incision | Laparoscopic supracervical hysterectomy [LSH] |

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| HYST | Abdominal hysterectomy | 68.39 | Removal of uterus through an abdominal incision | Other and unspecified subtotal abdominal hysterectomy |
| HYST | Abdominal hysterectomy | 68.41 | Removal of uterus through an abdominal incision | Laparoscopic total abdominal hysterectomy |
| HYST | Abdominal hysterectomy | 68.49 | Removal of uterus through an abdominal incision | Other and unspecified total abdominal hysterectomy |
| HYST | Abdominal hysterectomy | 68.61 | Removal of uterus through an abdominal incision | Laparoscopic radical abdominal hysterectomy |
| HYST | Abdominal hysterectomy | 68.69 | Removal of uterus through an abdominal incision | Other and unspecified radical abdominal hysterectomy |
| Vaginal hysterectomies | | | | |
| VHYS | Vaginal hysterectomy | 68.51 | Removal of the uterus through vaginal or perineal incision | Laparoscopically assisted vaginal hysterectomy (LAVH) |
| VHYS | Vaginal hysterectomy | 68.59 | Removal of the uterus through vaginal or perineal incision | Other and unspecified vaginal hysterectomy |
| VHYS | Vaginal hysterectomy | 68.71 | Removal of the uterus through vaginal or perineal incision | Laparoscopic radical vaginal hysterectomy [LRVH] |
| VHYS | Vaginal hysterectomy | 68.79 | Removal of the uterus through vaginal or perineal incision | Other and unspecified radical vaginal hysterectomy |
| Coronary artery bypass grafts | | | | |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.10 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | Aortocoronary bypass for heart revascularization, not otherwise specified |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.11 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | (Aorto)coronary bypass of one coronary artery |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.12 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | (Aorto)coronary bypass of two coronary arteries |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.13 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | (Aorto)coronary bypass of three coronary arteries |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.14 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | (Aorto)coronary bypass of four or more coronary arteries |
| CBGB | Coronary artery bypass graft with both chest and donor site incisions | 36.19 | Chest procedure to perform direct revascularization of the heart; includes obtaining suitable vein from donor site for grafting. | Other bypass anastomosis for heart revascularization |

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| CBGC | Coronary artery bypass graft with chest incision only | 36.15 | Chest procedure to perform direct vascularization of the heart using, for example the internal mammary (thoracic) artery | Single internal mammary-coronary artery bypass |
| CBGC | Coronary artery bypass graft with chest incision only | 36.16 | Chest procedure to perform direct vascularization of the heart using, for example the internal mammary (thoracic) artery | Double internal mammary-coronary artery bypass |
| CBGC | Coronary artery bypass graft with chest incision only | 36.17 | Chest procedure to perform direct vascularization of the heart using, for example the internal mammary (thoracic) artery | Abdominal-coronary artery bypass |
| CBGC | Coronary artery bypass graft with chest incision only | 36.20 | Chest procedure to perform direct vascularization of the heart using, for example the internal mammary (thoracic) artery | Heart revascularization by arterial implant |
| Vascular procedures | | | | |
| AAA | Abdominal aortic aneurysm repair | 38.34 | Resection of abdominal aorta with anastomosis or replacement | Resection of vessel with anastomosis, aorta |
| AAA | Abdominal aortic aneurysm repair | 38.44 | Resection of abdominal aorta with anastomosis or replacement | Resection of vessel with replacement, aorta, abdominal |
| AAA | Abdominal aortic aneurysm repair | 38.64 | Resection of abdominal aorta with anastomosis or replacement | Other excision of vessels, aorta, abdominal |
| CEA | Carotid endarterectomy | 38.12 | Endarterectomy on vessels of head and neck (includes carotid artery and jugular vein) | Endarterectomy, other vessels of head and neck |
| PVBY | Peripheral vascular bypass surgery | 39.29 | Bypass operations on peripheral arteries | Other (peripheral) vascular shunt or bypass |
| Pediatric and adolescent hospitals | | | | |
| Spinal surgery with instrumentation | | | | |
| FUSN | Spinal fusion | 81.00 | Immobilization of spinal column | Spinal fusion, not otherwise specified |
| FUSN | Spinal fusion | 81.01 | Immobilization of spinal column | Atlas-axis spinal fusion |
| FUSN | Spinal fusion | 81.02 | Immobilization of spinal column | Other cervical fusion, anterior technique |
| FUSN | Spinal fusion | 81.03 | Immobilization of spinal column | Other cervical fusion, posterior technique |
| FUSN | Spinal fusion | 81.04 | Immobilization of spinal column | Dorsal and dorsolumbar fusion, anterior technique |
| FUSN | Spinal fusion | 81.05 | Immobilization of spinal column | Dorsal and dorsolumbar fusion, posterior technique |
| FUSN | Spinal fusion | 81.06 | Immobilization of spinal column | Lumbar and lumbosacral fusion, anterior technique |

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| FUSN | Spinal fusion | 81.07 | Immobilization of spinal column | Lumbar and lumbosacral fusion, lateral transverse process technique |
| FUSN | Spinal fusion | 81.08 | Immobilization of spinal column | Lumbar and lumbosacral fusion, posterior technique |
| FUSN | Spinal fusion | 81.62 | Immobilization of spinal column | Fusion or refusion of 2-3 vertebrae |
| FUSN | Spinal fusion | 81.63 | Immobilization of spinal column | Fusion or refusion of 4-8 vertebrae |
| FUSN | Spinal fusion | 81.64 | Immobilization of spinal column | Fusion or refusion of 9 or more vertebrae |
| LAM | Laminectomy | 03.01 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Removal of foreign body from spinal canal |
| LAM | Laminectomy | 03.02 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Reopening of laminectomy site |
| LAM | Laminectomy | 03.09 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Other exploration and decompression of spinal canal |
| LAM | Laminectomy | 80.50 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Excision or destruction of intervertebral disc, unspecified |
| LAM | Laminectomy | 80.51 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Excision of intervertebral disc |
| LAM | Laminectomy | 80.53 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Repair of the anulus fibrosus with graft or prosthesis |
| LAM | Laminectomy | 80.54 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Other and unspecified repair of the anulus fibrosus |
| LAM | Laminectomy | 80.59 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Other destruction of intervertebral disc |
| LAM | Laminectomy | 84.60 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of spinal disc prosthesis, not otherwise specified |
| LAM | Laminectomy | 84.61 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of partial spinal disc prosthesis, cervical |
| LAM | Laminectomy | 84.62 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of total spinal disc prosthesis, cervical |
| LAM | Laminectomy | 84.63 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of spinal disc prosthesis, thoracic |
| LAM | Laminectomy | 84.64 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of partial spinal disc prosthesis, lumbosacral |
| LAM | Laminectomy | 84.65 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion of total spinal disc prosthesis, lumbosacral |
| LAM | Laminectomy | 84.66 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision or replacement of artificial spinal disc prosthesis, cervical |
| LAM | Laminectomy | 84.67 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision or replacement of artificial spinal disc prosthesis, thoracic |

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| LAM | Laminectomy | 84.68 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision or replacement of artificial spinal disc prosthesis, lumbosacral |
| LAM | Laminectomy | 84.69 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision or replacement of artificial spinal disc prosthesis, not otherwise specified |
| LAM | Laminectomy | 84.80 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion or replacement of interspinous process device(s) |
| LAM | Laminectomy | 84.81 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision of interspinous process device(s) |
| LAM | Laminectomy | 84.82 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion or replacement of pedicle-based dynamic stabilization device(s) |
| LAM | Laminectomy | 84.83 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision of pedicle-based dynamic stabilization device(s) |
| LAM | Laminectomy | 84.84 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Insertion or replacement of facet replacement device(s) |
| LAM | Laminectomy | 84.85 | Exploration or decompression of spinal cord through excision or incision into vertebral structures | Revision of facet replacement device(s) |
| RFUSN | Refusion of spine | 81.30 | Refusion of spine | Refusion of spine, not otherwise specified |
| RFUSN | Refusion of spine | 81.31 | Refusion of spine | Refusion of atlas-axis spine |
| RFUSN | Refusion of spine | 81.32 | Refusion of spine | Refusion of other cervical spine, anterior technique |
| RFUSN | Refusion of spine | 81.33 | Refusion of spine | Refusion of other cervical spine, posterior technique |
| RFUSN | Refusion of spine | 81.34 | Refusion of spine | Refusion of dorsal and dorsolumbar spine, anterior technique |
| RFUSN | Refusion of spine | 81.35 | Refusion of spine | Refusion of dorsal and dorsolumbar spine, posterior technique |
| RFUSN | Refusion of spine | 81.36 | Refusion of spine | Refusion of lumbar and lumbosacral spine, anterior technique |
| RFUSN | Refusion of spine | 81.37 | Refusion of spine | Refusion of lumbar and lumbosacral spine, lateral transverse process technique |
| RFUSN | Refusion of spine | 81.38 | Refusion of spine | Refusion of lumbar and lumbosacral spine, posterior technique |
| RFUSN | Refusion of spine | 81.39 | Refusion of spine | Refusion of spine, not elsewhere classified |
| Cardiac procedures, excluding thoracic cardiac procedures | | | | |

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| CARD | Cardiac surgery | 35.00 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Closed heart valvotomy, unspecified valve |
| CARD | Cardiac surgery | 35.01 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Closed heart valvotomy, aortic valve |
| CARD | Cardiac surgery | 35.02 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Closed heart valvotomy, mitral valve |
| CARD | Cardiac surgery | 35.03 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Closed heart valvotomy, pulmonary valve |
| CARD | Cardiac surgery | 35.04 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Closed heart valvotomy, tricuspid valve |
| CARD | Cardiac surgery | 35.10 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Open heart valvuloplasty without replacement, unspecified valve |
| CARD | Cardiac surgery | 35.11 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Open heart valvuloplasty of aortic valve without replacement |
| CARD | Cardiac surgery | 35.12 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Open heart valvuloplasty of mitral valve without replacement |
| CARD | Cardiac surgery | 35.13 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Open heart valvuloplasty of pulmonary valve without replacement |
| CARD | Cardiac surgery | 35.14 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Open heart valvuloplasty of tricuspid valve without replacement |
| CARD | Cardiac surgery | 35.20 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Replacement of unspecified heart valve |
| CARD | Cardiac surgery | 35.21 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Replacement of aortic valve with tissue graft |
| CARD | Cardiac surgery | 35.22 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other replacement of aortic valve |

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| CARD | Cardiac surgery | 35.23 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Replacement of mitral valve with tissue graft |
| CARD | Cardiac surgery | 35.24 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other replacement of mitral valve |
| CARD | Cardiac surgery | 35.25 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Replacement of pulmonary valve with tissue graft |
| CARD | Cardiac surgery | 35.26 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other replacement of pulmonary valve |
| CARD | Cardiac surgery | 35.27 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Replacement of tricuspid valve with tissue graft |
| CARD | Cardiac surgery | 35.28 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other replacement of tricuspid valve |
| CARD | Cardiac surgery | 35.31 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Operations on papillary muscle |
| CARD | Cardiac surgery | 35.32 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Operations on chordae tendineae |
| CARD | Cardiac surgery | 35.33 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Annuloplasty |
| CARD | Cardiac surgery | 35.34 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Infundibulectomy |
| CARD | Cardiac surgery | 35.35 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Operations on trabeculae carneae cordis |
| CARD | Cardiac surgery | 35.39 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Operations on other structures adjacent to valves of heart |
| CARD | Cardiac surgery | 35.42 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Creation of septal defect in heart |

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| CARD | Cardiac surgery | 35.50 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of unspecified septal defect of heart with prosthesis |
| CARD | Cardiac surgery | 35.51 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of atrial septal defect with prosthesis, open technique |
| CARD | Cardiac surgery | 35.53 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of ventricular septal defect with prosthesis, open technique |
| CARD | Cardiac surgery | 35.54 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of endocardial cushion defect with prosthesis |
| CARD | Cardiac surgery | 35.60 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of unspecified septal defect of heart with tissue graft |
| CARD | Cardiac surgery | 35.61 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of atrial septal defect with tissue graft |
| CARD | Cardiac surgery | 35.62 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of ventricular septal defect with tissue graft |
| CARD | Cardiac surgery | 35.63 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Repair of endocardial cushion defect with tissue graft |
| CARD | Cardiac surgery | 35.70 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other and unspecified repair of unspecified septal defect of heart |
| CARD | Cardiac surgery | 35.71 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other and unspecified repair of atrial septal defect |
| CARD | Cardiac surgery | 35.72 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other and unspecified repair of ventricular septal defect |
| CARD | Cardiac surgery | 35.73 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other and unspecified repair of endocardial cushion defect |
| CARD | Cardiac surgery | 35.81 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Total repair of tetralogy of fallot |

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| CARD | Cardiac surgery | 35.82 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Total repair of total anomalous pulmonary venous connection |
| CARD | Cardiac surgery | 35.83 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Total repair of truncus arteriosus |
| CARD | Cardiac surgery | 35.84 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Total correction of transposition of great vessels, not elsewhere classified |
| CARD | Cardiac surgery | 35.91 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Interatrial transposition of venous return |
| CARD | Cardiac surgery | 35.92 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Creation of conduit between right ventricle and pulmonary artery |
| CARD | Cardiac surgery | 35.93 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Creation of conduit between left ventricle and aorta |
| CARD | Cardiac surgery | 35.94 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Creation of conduit between atrium and pulmonary artery |
| CARD | Cardiac surgery | 35.95 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Revision of corrective procedure on heart |
| CARD | Cardiac surgery | 35.98 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other operations on septa of heart |
| CARD | Cardiac surgery | 35.99 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other operations on valves of heart |
| CARD | Cardiac surgery | 37.10 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Incision of heart, not otherwise specified |
| CARD | Cardiac surgery | 37.11 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Cardiotomy |
| CARD | Cardiac surgery | 37.24 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Biopsy of pericardium |

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| CARD | Cardiac surgery | 37.31 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Pericardiectomy |
| CARD | Cardiac surgery | 37.32 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Excision of aneurysm of heart |
| CARD | Cardiac surgery | 37.33 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Excision or destruction of other lesion or tissue of heart, open approach |
| CARD | Cardiac surgery | 37.35 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Partial ventriculectomy |
| CARD | Cardiac surgery | 37.36 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Excision or destruction of left atrial appendage (LAA) |
| CARD | Cardiac surgery | 37.41 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Implantation of prosthetic cardiac support device around the heart |
| CARD | Cardiac surgery | 37.49 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Other repair of heart and pericardium |
| CARD | Cardiac surgery | 37.60 | Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation | Implantation or insertion of biventricular external heart assist system |
| HTP | Heart transplant | 37.51 | Transplantation of heart | Heart transplantation |
| HTP | Heart transplant | 37.52 | Transplantation of heart | Implantation of total internal biventricular heart replacement system |
| HTP | Heart transplant | 37.53 | Transplantation of heart | Replacement or repair of thoracic unit of (total) replacement heart system |
| HTP | Heart transplant | 37.54 | Transplantation of heart | Replacement or repair of other implantable component of (total) replacement heart system |
| HTP | Heart transplant | 37.55 | Transplantation of heart | Removal of internal biventricular heart replacement system |
| Ventricular shunts including revisions and removal of shunt | | | | |
| VSHN | Ventricular shunt | 02.20 | Ventricular shunt operations, including revision and removal of shunt | Ventriculostomy |

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| VSHN | Ventricular shunt | 02.31 | Ventricular shunt operations, including revision and removal of shunt | Ventricular shunt to structure in head and neck |
| VSHN | Ventricular shunt | 02.32 | Ventricular shunt operations, including revision and removal of shunt | Ventricular shunt to circulatory system |
| VSHN | Ventricular shunt | 02.33 | Ventricular shunt operations, including revision and removal of shunt | Ventricular shunt to thoracic cavity |
| VSHN | Ventricular shunt | 02.34 | Ventricular shunt operations, including revision and removal of shunt | Ventricular shunt to abdominal cavity and organs |
| VSHN | Ventricular shunt | 02.35 | Ventricular shunt operations, including revision and removal of shunt | Ventricular shunt to urinary system |
| VSHN | Ventricular shunt | 02.39 | Ventricular shunt operations, including revision and removal of shunt | Other operations to establish drainage of ventricle |
| VSHN | Ventricular shunt | 02.42 | Ventricular shunt operations, including revision and removal of shunt | Replacement of ventricular shunt |
| VSHN | Ventricular shunt | 02.43 | Ventricular shunt operations, including revision and removal of shunt | Removal of ventricular shunt |
| VSHN | Ventricular shunt | 54.95 | Ventricular shunt operations, including revision and removal of shunt | Incision of peritoneum |