OP-13: CARDIAC IMAGING FOR PREOPERATIVE RISK ASSESSMENT FOR NON-CARDIAC LOW-RISK SURGERY

Description of Measure

This measure calculates the percentage of Stress Echocardiography, Single Photon Emission Computed Tomography Myocardial Perfusion Imaging (SPECT MPI) or Stress Magnetic Resonance Imaging (MRI) studies performed at a hospital outpatient facility in the 30 days prior to an ambulatory low-risk, noncardiac surgery performed anywhere.

Numerator Statement

Of patients in the denominator, number of Stress Echocardiography, SPECT MPI and Stress MRI studies performed at the hospital outpatient department within 30 days of an ambulatory low-risk non-cardiac surgery performed at any location (e.g., other hospital, physician office).

Numerator Time Window: The 30 days preceding a low-risk, noncardiac surgery.

Denominator Statement

Number of Stress Echocardiography, SPECT MPI and Stress MRI studies performed at the hospital outpatient department

Denominator Time Window: Any day within a one-year window of claims data, between January 1 and November 30

Numerator Codes

- SPECT MPI:
  CPT Codes: 78464, 78451 MPI, SPECT, Single, At Rest or Stress; 78465, 78452 MPI, SPECT, Multiple, At Rest and/or Stress

- Stress Echocardiography:
  CPT Codes: 93350, C8928 Echocardiography, trans-thoracic, real time with image documentation, during rest and cardiovascular stress test using treadmill, bicycle exercise and/or pharmacologically induced stress with interpretation and report; 93351, C8930 including performance of continuous electrocardiographic monitoring with physician supervision

- Stress MRI:
  CPT Codes: 75559 MRI with stress/imaging; 75560 MRI with flow/velocity/stress; 75563 MRI with stress imaging and dye; 75564 MRI with flow/velocity/stress and dye

SPECT MRI, Stress Echocardiography, and/or SPECT MRI must have one of the following procedures (CPT codes) for low-risk noncardiac surgery:
• Surgery/Integumentary System: Breast
  19100 Biopsy of breast
  19101 Biopsy of breast
  19102 Bx breast percut w/image
  19103 Bx breast percut w/device

• Surgery/Respiratory System: Accessory Sinuses
  31231 Nasal endoscopy, dx
  31233 Nasal/sinus endoscopy, dx
  31235 Nasal/sinus endoscopy, dx
  31237 Nasal/sinus endoscopy, surg
  31238 Nasal/sinus endoscopy, surg
  31239 Nasal/sinus endoscopy, surg
  31240 Nasal/sinus endoscopy, surg
  31267 Endoscopy, maxillary sinus
  31276 Sinus surgical endoscopy
  31299 Sinus surgery procedure

• Surgery/Respiratory System: Larynx
  31505 Diagnostic laryngoscopy
  31510 Laryngoscopy with biopsy
  31511 Remove foreign body, larynx
  31513 Injection into vocal cord
  31515 Laryngoscopy for aspiration
  31520 Diagnostic laryngoscopy
  31525 Diagnostic laryngoscopy
  31526 Diagnostic laryngoscopy
  31527 Laryngoscopy for treatment
  31528 Laryngoscopy and dilatation
  31529 Laryngoscopy and dilatation
  31530 Operative laryngoscopy
  31531 Operative laryngoscopy
  31535 Operative laryngoscopy
  31536 Operative laryngoscopy
  31540 Operative laryngoscopy
  31541 Operative laryngoscopy
  31560 Operative laryngoscopy
  31561 Operative laryngoscopy
  31570 Laryngoscopy with injection
  31571 Laryngoscopy with injection
  31575 Diagnostic laryngoscopy
  31576 Laryngoscopy with biopsy
  31577 Remove foreign body, larynx
  31578 Removal of larynx lesion
  31579 Diagnostic laryngoscopy
• Surgery/Respiratory System: Trachea and Bronchi
  31615 Visualization of windpipe
  31620 Endobronchial us add-on
  31622 Diagnostic bronchoscopy
  31623 Dx bronchoscope/brush
  31624 Dx bronchoscope/lavage
  31625 Bronchoscopy with biopsy
  31628 Bronchoscopy with biopsy
  31629 Bronchoscopy with biopsy
  31632 Bronchoscopy/lung bx, add’l
  31633 Bronchoscopy/needle bx add’l
  31645 Bronchoscopy, clear airways
  31646 Bronchoscopy, reclear airways

• Surgery/Respiratory System: Lungs and Pleura
  33508 Endoscopic vein harvest
  37500 Endoscopy ligate perf veins
  37501 Vascular endoscopy procedure
  39400 Visualization of chest

• Surgery/Digestive System: Esophagus
  43200 Esophagus endoscopy
  43201 Esophagus endoscopy, w/submucous injection
  43202 Esophagus endoscopy, biopsy
  43204 Esophagus endoscopy & inject
  43205 Esophagus endoscopy/ligation
  43215 Esophagus endoscopy
  43216 Esophagus endoscopy/lesion
  43217 Esophagus endoscopy
  43219 Esophagus endoscopy
  43220 Esophagus endoscopy, dilation
  43226 Esophagus endoscopy, dilation
  43227 Esophagus endoscopy, repair
  43228 Esophagus endoscopy, ablation
  43231 Esoph endoscopy w/us exam
  43232 Esoph endoscopy w/us fn bx
  43234 Upper GI endoscopy, exam
  43235 Upper GI endoscopy, diagnosis
  43236 Upper GI scope w/submuc inj
  43237 Endoscopic us exam, esoph
  43238 Upper GI endoscopy w/us fn bx
  43239 Upper GI endoscopy, biopsy
  43241 Upper GI endoscopy with tube
  43242 Upper GI endoscopy w/us fn bx
  43243 Upper GI endoscopy & inject.
  43244 Upper GI endoscopy/ligation
  43246 Place gastrostomy tube
43247 Operative upper GI endoscopy
43248 Upper GI endoscopy/guidewire
43249 Esophagus endoscopy, dilation
43260 Endoscopy, bile duct/pancreas
43261 Endoscopy, bile duct/pancreas
43262 Endoscopy, bile duct/pancreas
43263 Endoscopy, bile duct/pancreas
43264 Endoscopy, bile duct/pancreas
43265 Endoscopy, bile duct/pancreas
43267 Endoscopy, bile duct/pancreas
43268 Endoscopy, bile duct/pancreas
43269 Endoscopy, bile duct/pancreas
43271 Endoscopy, bile duct/pancreas
43272 Endoscopy, bile duct/pancreas

- Surgery/Digestive System: Intestines (Except Rectum)
  44360 Small bowel endoscopy
  44361 Small bowel endoscopy, biopsy
  44363 Small bowel endoscopy
  44383 Ileoscopy w/stent
  44385 Endoscopy of bowel pouch
  44386 Endoscopy, bowel pouch, biopsy
  44388 Colon endoscopy
  44389 Colonoscopy with biopsy
  44390 Colonoscopy for foreign body
  44391 Colonoscopy for bleeding
  44392 Colonoscopy & polypectomy
  44393 Colonoscopy, lesion removal
  44397 Colonoscopy w stent

- Surgery/Digestive System: Rectum
  45300 Proctosigmoidoscopy
  45303 Proctosigmoidoscopy
  45305 Proctosigmoidoscopy; biopsy
  45307 Proctosigmoidoscopy
  45308 Proctosigmoidoscopy
  45309 Proctosigmoidoscopy
  45315 Proctosigmoidoscopy
  45317 Proctosigmoidoscopy
  45320 Proctosigmoidoscopy
  45321 Proctosigmoidoscopy
  45327 Proctosigmoidoscopy w/stent
  45330 Sigmoidoscopy, diagnostic
  45331 Sigmoidoscopy and biopsy
  45332 Sigmoidoscopy
  45333 Sigmoidoscopy & polypectomy
  45334 Sigmoidoscopy for bleeding
45335 Sigmoidoscope w/submuc inj
45337 Sigmoidoscopy, decompression
45338 Sigmoidoscropy
45339 Sigmoidoscopy
45340 Sig w/balloon dilation
45341 Sigmoidoscopy w/ultrasound
45342 Sigmoidoscopy w/us guide bx
45345 Sigmoidoscopy w/stent
45378 Diagnostic colonoscopy
45379 Colonoscopy
45380 Colonoscopy and biopsy
45381 Colonoscopy, submucous inj
45382 Colonoscopy, control bleeding
45383 Colonoscopy, lesion removal
45384 Colonoscopy
45385 Colonoscopy, lesion removal
45387 Colonoscopy w/stent
45391 Colonoscopy w/endoscope us
45392 Colonoscopy w/endoscopic fnb

- Surgery/Digestive System: Anus
  46600 Diagnostic anoscopy
  46604 Anoscopy and dilation
  46606 Anoscopy and biopsy
  46608 Anoscopy; remove foreign body
  46610 Anoscopy; remove lesion
  46612 Anoscopy; remove lesions
  46614 Anoscopy; control bleeding

- Surgery/Digestive System: Biliary Tract
  47561 Laparo w/cholangio/biopsy

- Surgery/Digestive System: Abdomen, Peritoneum and Omentum
  49322 – Laparoscopy, aspiration

- Surgery/Urinary System: Kidney
  50551 Kidney endoscopy
  50553 Kidney endoscopy
  50555 Kidney endoscopy & biopsy
  50557 Kidney endoscopy & treatment
  50559 Renal endoscopy; radiotracer
  50561 Kidney endoscopy & treatment

- Surgery/Urinary System: Ureter
  50951 Endoscopy of ureter
  50953 Endoscopy of ureter
  50955 Ureter endoscopy & biopsy
• Surgery/Urinary System: Bladder
  51715 Endoscopic injection/implant
  52000 Cystoscopy
  52001 Cystoscopy, removal of clots
  52005 Cystoscopy & ureter catheter
  52007 Cystoscopy and biopsy
  52010 Cystoscopy & duct catheter
  52204 Cystoscopy
  52282 Cystoscopy, implant stent
  52327 Cystoscopy, inject material
  52330 Cystoscopy and treatment
  52351 Cystoureter & or pyeloscope
  52352 Cystoureter w/stone remove
  52353 Cystouretero w/lithotripsy
  52354 Cystouretero w/biopsy
  52355 Cystouretero w/excisie tumor
  52402 Cystourethroc cut ejacul duct

• Surgery/Female Genital System: Cervix Uteri
  57452 Examination of vagina
  57454 Vagina examination & biopsy
  57455 Biopsy of cervix w/scope
  57456 Endocerv curettage w/scope
  57460 Cervix excision
  57461 Conz of cervix w/scope, leep

• Surgery/Female Genital System: Corpus Uteri
  58555 Hysteroscopy, dx, sep proc
  58558 Hysteroscopy, biopsy
  58559 Hysteroscopy, lysis
  58560 Hysteroscopy, resect septum
  58562 Hysteroscopy, remove fb
  58565 Hysteroscopy, sterilization

• Surgery/Female Genital System: Oviduct/Ovary
  58670 Laparoscopy, tubal cautery
  58671 Laparoscopy, tubal block

• Surgery/Eye and Ocular Adnexa: Anterior Segment
  66820 Incision, secondary cataract
66821 After cataract laser surgery
66830 Removal of lens lesion
66982 Cataract surgery, complex
66983 Remove cataract, insert lens

- Other Surgeries:
  14301 Skin Tissue Rearrangement
  21011 Exc Face Les Sc< 2 cm
  21012 Exc Face Les Sc = 2 cm
  21013 Exc Face Tum Deep < 2 cm
  21014 Exc Face Tum Deep = 2 cm
  21552 Exc Neck Les Sc = 3 cm
  21554 Exc Neck Tum Deep = 5 cm
  21558 Resect Neck Tum = 5 cm
  21931 Exc Back Les Sc = 3 cm
  21932 Exc Back Tum Deep < 5 cm
  21933 Exc Back Tum Deep = 5 cm
  22901 Exc Back Tum Deep = 5 cm
  22902 Exc Abdomen Les Sc < 3 cm
  22903 Exc Abdomen Les Sc > 3 cm
  23071 Exc Shoulder Les Sc > 3 cm
  23073 Exc Shoulder Tum Deep > 5 cm
  24071 Exc Arm/Elbow Les Sc = 3 cm
  24073 Exc Arm/Elbow Tum Deep > 5 cm
  25071 Exc Forearm Les Sc > 3 cm
  25073 Exc Forearm Tum Deep = 3 cm
  26111 Exc Hand Les Sc > 1.5 cm
  26113 Exc Hand Tum Deep > 1.5 cm
  27043 Exc Hip Pelvis Les Sc > 3 CM
  27045 Exc Hip/Pelvis Tum Deep > 5 CM
  27337 Exc Thigh/Knee Les Sc > 3 CM
  27339 Exc Thigh/Knee Tum Deep >5CM
  27632 Exc Leg/Ankle Les Sc > 3cm
  27634 Exc Leg/Ankle Tum Deep >5 cm
  28039 Exc Foot/Toe Tum Sc > 1.5 cm
  28041 Exc Foot/Toe Tum Deep >1.5cm
  29581 Apply Multilay Comprs Lower Leg
  31626 Bronchoscopy w/ Markers
  32552 Remove Lung Catheter
  36147 Access AV Dial Grft for Eval
  36148 Access AV Dial Grft for Proc
  37761 Ligate Leg Veins Open
  51727 Cystometrogram w/UP
  51728 Cystometrogram w/VP
  51729 Cystometrogram w/VP&UP
  53855 Insert Prost Uretheral Stent
  63661 Remove Spine El Trd Perq Aray
Denominator Codes

- SPECT MPI:
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- Stress Echocardiography:
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Denominator Exclusion Codes

Indications for measure exclusion include any patients with diagnosis codes in at least three of the following categories:

- Diabetes mellitus (look back of one year)
  ICD-9 codes: 249 Secondary diabetes mellitus; 250 Diabetes mellitus; 648.0x Diabetes mellitus complicating pregnancy childbirth or the puerperium

- Renal insufficiency (look back of one year)
  ICD-9 codes: 403 Hypertensive chronic kidney disease; 404 Hypertensive heart and chronic kidney disease; 580 Acute glomerulonephritis; 582: Chronic glomerulonephritis; 583 Nephritis and nephropathy not specified as acute or chronic; 584 Acute kidney failure; 585: Chronic kidney failure; 586 Renal failure, unspecified; 593.9 Unspecified disorder of kidney and ureter

- Stroke/Transient Ischemic Attack (look back of three years)
  ICD-9 codes: 430 Subarachnoid hemorrhage, 431 Intracerebral hemorrhage; 432 Other and unspecified intracranial hemorrhage; 433 Occlusion and stenosis of precerebral arteries; 434 Occlusion of cerebral arteries; 435 Transient cerebral ischemia; 436 Acute, but ill-defined, cerebrovascular disease; 437 Other and ill-
defined cerebrovascular disease; 438 Late effects of cerebrovascular disease; 674.0x Cerebrovascular disorders in the puerperium; 997.02 Iatrogenic cerebrovascular

- Prior heart failure (look back of three years)
  ICD-9 codes: 425 Cardiomyopathy; 428 Heart failure; 429 Ill-defined descriptions and complications of heart disease

- Ischemic heart disease (look back of three years)
  ICD-9 codes: 410 Acute myocardial infarction; 411 Other acute and subacute forms of ischemic heart disease; 412 Old myocardial infarction; 413 Angina pectoris; 414 Other forms of chronic ischemic heart disease

**Technical Note:** If the diagnosis code is a three-digit ICD-9 code, then all codes starting with the three digits are used in the measure calculation, that is, “all inclusive.” If the diagnosis code is specified as a four-digit ICD-9 code, then only the specific four-digit diagnosis code is used. If the diagnosis code is a five-digit code, the code used is either the specific five-digit diagnosis code if all five numeric digits are shown, or if the fifth digit is designated with an “x” then this is designating an “all inclusive” range to the fifth digit.
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- **Surgery/Respiratory System: Accessory Sinuses**
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- **Surgery/Respiratory System: Larynx**
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  31646 Bronchoscopy, reclear airways

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  37500 Endoscopy ligate perf veins
  37501 Vascular endoscopy procedure
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• Surgery/Digestive System: Esophagus
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  43201 Esophagus endoscopy, w/submucous injection
  43202 Esophagus endoscopy, biopsy
  43204 Esophagus endoscopy & inject
  43205 Esophagus endoscopy/ligation
  43215 Esophagus endoscopy
  43216 Esophagus endoscopy/lesion
  43217 Esophagus endoscopy
  43219 Esophagus endoscopy
  43220 Esophagus endoscopy, dilation
  43226 Esophagus endoscopy, dilation
  43227 Esophagus endoscopy, repair
  43228 Esophagus endoscopy, ablation
  43231 Esoph endoscopy w/us exam
  43232 Esoph endoscopy w/us fn bx
  43234 Upper GI endoscopy, exam
  43235 Upper GI endoscopy, diagnosis
  43236 Upper GI scope w/submuc inj
  43237 Endoscopic us exam, esoph
  43238 Upper GI endoscopy w/us fn bx
  43239 Upper GI endoscopy, biopsy
  43241 Upper GI endoscopy with tube
  43242 Upper GI endoscopy w/us fn bx
  43243 Upper GI endoscopy & inject.
  43244 Upper GI endoscopy/ligation
  43246 Place gastrostomy tube
43247 Operative upper GI endoscopy
43248 Upper GI endoscopy/guidewire
43249 Esophagus endoscopy, dilation
43260 Endoscopy, bile duct/pancreas
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43267 Endoscopy, bile duct/pancreas
43268 Endoscopy, bile duct/pancreas
43269 Endoscopy, bile duct/pancreas
43271 Endoscopy, bile duct/pancreas
43272 Endoscopy, bile duct/pancreas

- Surgery/Digestive System: Intestines (Except Rectum)
  44360 Small bowel endoscopy
  44361 Small bowel endoscopy, biopsy
  44363 Small bowel endoscopy
  44383 Ileoscopy w/stent
  44385 Endoscopy of bowel pouch
  44386 Endoscopy, bowel pouch, biopsy
  44388 Colon endoscopy
  44389 Colonoscopy with biopsy
  44390 Colonoscopy for foreign body
  44391 Colonoscopy for bleeding
  44392 Colonoscopy & polypectomy
  44393 Colonoscopy, lesion removal
  44397 Colonoscopy w/stent

- Surgery/Digestive System: Rectum
  45300 Proctosigmoidoscopy
  45303 Proctosigmoidoscopy
  45305 Proctosigmoidoscopy; biopsy
  45307 Proctosigmoidoscopy
  45308 Proctosigmoidoscopy
  45309 Proctosigmoidoscopy
  45315 Proctosigmoidoscopy
  45317 Proctosigmoidoscopy
  45320 Proctosigmoidoscopy
  45321 Proctosigmoidoscopy
  45327 Proctosigmoidoscopy w/stent
  45330 Sigmoidoscopy, diagnostic
  45331 Sigmoidoscopy and biopsy
  45332 Sigmoidoscopy
  45333 Sigmoidoscopy & polypectomy
  45334 Sigmoidoscopy for bleeding
<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Procedure Description</th>
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<tbody>
<tr>
<td>45335</td>
<td>Sigmoidoscope w/submuc inj</td>
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<tr>
<td>45337</td>
<td>Sigmoidoscopy, decompression</td>
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<tr>
<td>45338</td>
<td>Sigmoidoscopy</td>
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<td>45339</td>
<td>Sigmoidoscopy</td>
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<tr>
<td>45340</td>
<td>Sig w/balloon dilation</td>
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<td>45341</td>
<td>Sigmoidoscopy w/ultrasound</td>
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<tr>
<td>45342</td>
<td>Sigmoidoscopy w/us guide bx</td>
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<tr>
<td>45345</td>
<td>Sigmoidoscopy w/stent</td>
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<tr>
<td>45378</td>
<td>Diagnostic colonoscopy</td>
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<td>45379</td>
<td>Colonoscopy</td>
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<td>45380</td>
<td>Colonoscopy and biopsy</td>
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<td>45381</td>
<td>Colonoscopy, submucous inj</td>
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<tr>
<td>45382</td>
<td>Colonoscopy, control bleeding</td>
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<tr>
<td>45383</td>
<td>Colonoscopy, lesion removal</td>
</tr>
<tr>
<td>45384</td>
<td>Colonoscopy</td>
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<tr>
<td>45385</td>
<td>Colonoscopy, lesion removal</td>
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<tr>
<td>45387</td>
<td>Colonoscopy w/stent</td>
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<td>45391</td>
<td>Colonoscopy w/endoscope us</td>
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<td>45392</td>
<td>Colonoscopy w/endoscopic fnb</td>
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<td>46600</td>
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<td>Anoscopy; remove foreign body</td>
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<td>46610</td>
<td>Anoscopy; remove lesion</td>
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<td>46612</td>
<td>Anoscopy; remove lesions</td>
</tr>
<tr>
<td>46614</td>
<td>Anoscopy; control bleeding</td>
</tr>
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Surgery/Digestive System: Anus

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<thead>
<tr>
<th>CPT Code</th>
<th>Procedure Description</th>
</tr>
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<tbody>
<tr>
<td>46610</td>
<td>Anoscopy; remove lesion</td>
</tr>
</tbody>
</table>

Surgery/Digestive System: Biliary Tract

<table>
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<tr>
<th>CPT Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>47561</td>
<td>Laparo w/cholangio/biopsy</td>
</tr>
</tbody>
</table>

Surgery/Digestive System: Abdomen, Peritoneum and Omentum

<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>49322</td>
<td>Laparoscopy, aspiration</td>
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</tbody>
</table>

Surgery/Urinary System: Kidney

<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Procedure Description</th>
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<tbody>
<tr>
<td>50551</td>
<td>Kidney endoscopy</td>
</tr>
<tr>
<td>50553</td>
<td>Kidney endoscopy</td>
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<tr>
<td>50555</td>
<td>Kidney endoscopy &amp; biopsy</td>
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<tr>
<td>50557</td>
<td>Kidney endoscopy &amp; treatment</td>
</tr>
<tr>
<td>50559</td>
<td>Renal endoscopy; radiotracer</td>
</tr>
<tr>
<td>50561</td>
<td>Kidney endoscopy &amp; treatment</td>
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</tbody>
</table>

Surgery/Urinary System: Ureter

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>50951</td>
<td>Endoscopy of ureter</td>
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<tr>
<td>50953</td>
<td>Endoscopy of ureter</td>
</tr>
<tr>
<td>50955</td>
<td>Ureter endoscopy &amp; biopsy</td>
</tr>
</tbody>
</table>
50970 Ureter endoscopy
50972 Ureter endoscopy & catheter
50974 Ureter endoscopy & biopsy
50976 Ureter endoscopy & treatment
50978 Ureter endoscopy & tracer
50980 Ureter endoscopy & treatment

- Surgery/Urinary System: Bladder
  51715 Endoscopic injection/implant
  52000 Cystoscopy
  52001 Cystoscopy, removal of clots
  52005 Cystoscopy & ureter catheter
  52007 Cystoscopy and biopsy
  52010 Cystoscopy & duct catheter
  52204 Cystoscopy
  52282 Cystoscopy, implant stent
  52327 Cystoscopy, inject material
  52330 Cystoscopy and treatment
  52351 Cystourethral & or pyeloscope
  52352 Cystourethro w/stone remove
  52353 Cystourethral w/lithotripsy
  52354 Cystourethral w/biopsy
  52355 Cystourethral w/excise tumor
  52402 Cystourethral cut ejacul duct

- Surgery/Female Genital System: Cervix Uteri
  57452 Examination of vagina
  57454 Vagina examination & biopsy
  57455 Biopsy of cervix w/scope
  57456 Endocerv curettage w/scope
  57460 Cervix excision
  57461 Conz of cervix w/scope, leep

- Surgery/Female Genital System: Corpus Uteri
  58555 Hysteroscopy, dx, sep proc
  58558 Hysteroscopy, biopsy
  58559 Hysteroscopy, lysis
  58560 Hysteroscopy, resect septum
  58562 Hysteroscopy, remove fb
  58565 Hysteroscopy, sterilization

- Surgery/Female Genital System: Oviduct/Ovary
  58670 Laparoscopy, tubal cautery
  58671 Laparoscopy, tubal block

- Surgery/Eye and Ocular Adnexa: Anterior Segment
  66820 Incision, secondary cataract
66821 After cataract laser surgery
66830 Removal of lens lesion
66982 Cataract surgery, complex
66983 Remove cataract, insert lens

- Other Surgeries:
  14301 Skin Tissue Rearrangement
  21011 Exc Face Les Sc< 2 cm
  21012 Exc Face Les Sc = 2 cm
  21013 Exc Face Tum Deep < 2 cm
  21014 Exc Face Tum Deep = 2 cm
  21552 Exc Neck Les Sc = 3 cm
  21554 Exc Neck Tum Deep = 5 cm
  21558 Resect Neck Tum = 5 cm
  21931 Exc Back Les Sc = 3 cm
  21932 Exc Back Tum Deep < 5 cm
  21933 Exc Back Tum Deep = 5 cm
  22901 Exc Back Tum Deep = 5 cm
  22902 Exc Abdomen Les Sc < 3 cm
  22903 Exc Abdomen Les Sc > 3 cm
  23071 Exc Shoulder Les Sc > 3 cm
  23073 Exc Shoulder Tum Deep > 5 cm
  24071 Exc Arm/Elbow Les Sc = 3 cm
  24073 Exc Arm/Elbow Tum Deep > 5 cm
  25071 Exc Forearm Les Sc > 3 cm
  25073 Exc Forearm Tum Deep = 3 cm
  26111 Exc Hand Les Sc > 1.5 cm
  26113 Exc Hand Tum Deep > 1.5 cm
  27043 Exc Hip Pelvis Les Sc > 3 CM
  27045 Exc Hip/Pelvis Tum Deep > 5 CM
  27337 Exc Thigh/Knee Les Sc > 3 CM
  27339 Exc Thigh/Knee Tum Deep > 5CM
  27632 Exc Leg/Ankle Les Sc > 3 cm
  27634 Exc Leg/Ankle Tum Deep > 5 cm
  28039 Exc Foot/Toe Tum Sc > 1.5 cm
  28041 Exc Foot/Toe Tum Deep > 1.5 cm
  29581 Apply Multilay Comprs Lower Leg
  31626 Bronchoscopy w/ Markers
  32552 Remove Lung Catheter
  36147 Access AV Dial Grft for Eval
  36148 Access AV Dial Grft for Proc
  37761 Ligate Leg Veins Open
  51727 Cystomeetrogram w/UP
  51728 Cystometrogram w/VP
  51729 Cystometrogram w/VP&UP
  53855 Insert Prost Urethral Stent
  63661 Remove Spine El Trd Perq Aray
Denominator Codes

- **SPECT MPI:**
  CPT Codes: 78464, 78451 MPI, SPECT, Single, At Rest or Stress; 78465, 78452 MPI, SPECT, Multiple, At Rest and/or Stress

- **Stress Echocardiography:**
  CPT Codes: 93350, C8928 Echocardiography, trans-thoracic, real time with image documentation, during rest and cardiovascular stress test using treadmill, bicycle exercise and/or pharmacologically induced stress with interpretation and report; 93351, C8930 including performance of continuous electrocardiographic monitoring with physician supervision

- **Stress MRI:**
  CPT Codes 75559 MRI with stress/imaging; 75560 MRI with flow/velocity/stress; 75563 MRI with stress imaging and dye; 75564 MRI with flow/velocity/stress and dye

Denominator Exclusion Codes

Indications for measure exclusion include any patients with diagnosis codes in at least three of the following categories:

- **Diabetes Mellitus (look back of one year)**
  Diabetes Mellitus
  E08.00-E13.9

  Diabetes mellitus in pregnancy, childbirth, and the puerperium
  O24.011-O24.33, O24.811-O24.93

- **Renal insufficiency (look back of one year)**
  Hypertensive chronic kidney disease
  I12.0-I12.9

  Hypertensive heart and chronic kidney disease
  I13.0-I13.2
Glomerular diseases
N00.0-N01.9, N03.0-N03.9, N05.0-N08

Acute kidney failure and chronic kidney disease
N17.0-N19

Other disorders of kidney and ureter
N28.9-N29

• **Stroke/Transient Ischemic Attack (look back of three years)**
  
  **Transient cerebral ischemic attacks and related syndromes**
  G45.0-G45.2, G45.8-G45.9

  **Vascular syndromes of brain in cerebrovascular diseases**
  G46.0-G46.2

  **Cerebrovascular diseases**
  I60.00-I63.9, I65.21-I65.29, I66.01-I66.9, I67.1, I67.841-I67.89, I69.00-I69.998

  Other intraoperative and postprocedural complications and disorders of the circulatory system, not elsewhere classified
  I97.810-I97.821

  **Diseases of the circulatory system complicating pregnancy, childbirth and the puerperium**
  O99.411-O99.43

• **Prior heart failure (look back of three years)**
  
  **Other forms of heart disease**
  I42.0-I43

  **Heart failure**
  I50.1-I50.9

  **Intraoperative and postprocedural complications and disorders of circulatory system, not elsewhere classified**
  I97.0-I97.191

  **Complications and ill-defined descriptions of heart disease**
  I51.0-I51.9
• Ischemic heart disease (look back of three years)

Ischemic heart diseases
I20.0-I22.9, I24.8-I25.119, I25.700-I25.799

Technical Note: Please note that an asterisk (*) represents a wildcard for that digit.

Technical Note: The draft specifications included in this document represent a crosswalk of the ICD-9 specifications to ICD-10 specifications based on both a forward and backward crosswalk of the General Equivalence Mapping (GEM) file. The contractor made additional modifications to the ICD-10 specifications as a result of public comment and review by contractor clinicians and ICD-10 subject matter experts. Additional refinement of the ICD-10 specifications may occur as data comes available for testing.

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