# Cholecystectomy codes and content for publication (1/2)

<table>
<thead>
<tr>
<th><strong>Triggers</strong></th>
<th>Episode is triggered by open or laparoscopic cholecystectomy procedure, and a primary or secondary diagnosis (Dx1 or Dx2) indicating conditions related to cholecystectomy (e.g., cholelithiasis, cholecystitis). For a complete list of diagnoses, please see the code sheet associated with the episode</th>
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<tbody>
<tr>
<td><strong>PAP assignment</strong></td>
<td>For each episode, the Principal Accountable Provider (PAP) is the primary surgeon performing the cholecystectomy</td>
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</table>
| **Exclusions** | Episodes meeting one or more of the following criteria will be excluded  
A. Beneficiaries who are less than or equal to the age of 1 or greater than or equal to the age of 65 at the time of the procedure  
B. Beneficiaries with select co-morbid conditions or past procedures within 365 days or 90 days after cholecystectomy (e.g., HIV, cancer, sickle cell anemia, transplants). For a complete list of co-morbidities, please see the code sheet associated with the episode.  
C. Beneficiaries with a pregnancy 30 days prior to 90 days after a cholecystectomy procedure  
D. Beneficiaries with ICU care within 30 days prior to the cholecystectomy procedure  
E. Beneficiaries with acute pancreatitis, cirrhosis, or cholangitis concurrent with procedure  
F. Beneficiaries with open cholecystectomy procedure (includes laparoscopic converted to open and surgeries initiated open)  
G. Beneficiaries who die in the hospital during the episode  
H. Beneficiaries with a patient status of “left against medical advice” during the episode  
I. Beneficiaries with dual enrollment in Medicare / Medicaid (i.e. dual eligibles)  
J. Beneficiaries with inconsistent enrollment (i.e., not continuously enrolled) during the episode |
| **Episode time window** | Episodes begin with the cholecystectomy procedure and ends 90 days post-procedure |
| **Claims included** | The following services are included in the episode  
1. During procedure: Cholecystectomy surgery and related services (i.e., inpatient and outpatient facility services, professional services, related medications, treatment for complications)  
2. Within 90 days post-procedure: related services (i.e., inpatient and outpatient facility services, professional services, related medications, treatment for complications)  
3. Within 30 days after procedure: post-procedure admissions as defined by BPCI |
### Quality measures

A. Quality measures “to pass”:
   1. Percent of episodes with CT scan prior to cholecystectomy – must be below threshold of 44%

B. Quality measures “to track”:
   1. Rate of major complications that occur in episode, either during procedure or in post-procedure window: common bile duct injury, abdominal blood vessel injury, bowel injury
   2. Number of laparoscopic cholecystectomies converted to open surgeries
   3. Number of cholecystectomies initiated via open surgery

### Adjustments

For the purposes of determining a PAP’s performance, the total reimbursement attributable to the PAP is adjusted for: cholecystectomy episodes in which patients have co-morbidities, including indirectly related health conditions (e.g. hypotension, ventilator dependence) and patient presentation prior to cholecystectomy surgery (e.g. acute cholecystitis, common bile duct stones), episodes in which patients have an ED admittance prior to procedure, and episodes in which there are high and low-cost outliers, applied after other cost adjustments

### Procedure trigger codes

| CPT: | 47562, 47563, 47564, 47570, 47600, 47605, 47610, 47612, 47620 |
| ICD-Px: | 5121, 5122, 5123, 5124 |

### Diagnosis trigger codes

| CPT: | 211.5x, 211.6x, 278.0x, 278.1x, 56031, 56781, 571.2x, 571.5x, 571.6x, 574.xx, 575.xx, 576.xx, 577.xx, 751.6x, 751.7x, 789.xx, 868.x0, 868.x2 |

### Relevant procedure codes

| CPT: | 15852, 43246, 43510, 43600, 44010, 44015, 44020, 44100, 44111, 44112, 44360, 44361, 44376, 44377, 44378, 44379, 44380, 44382, 44383, 44385, 44386, 44500, 47000, 47001, 47100, 47101, 47525, 47530, 47554, 47555, 47556, 47560, 47561, 47700, 47701, 48100, 48102, 48148, 48400, 49180, 49400, 49411, 49424, 49427, 71550, 71551, 71552, 71555, 72131, 72132, 72133, 72191, 72192, 72193, 72194, 74000, 74010, 74020, 74022, 74150, 74160, 74170, 74174, 74175, 74176, 74177, 74178, 74178, 74181, 74182, 74183, 74185, 74190, 74210, 74220, 74230, 74240, 74241, 74245, 74246, 74247, 74249, 74250, 74251, 74252, 74260, 74261, 74262, 74263, 74270, 74270, 74280, 74283, 74300, 74301, 74340, 74360, 74363, 74400, 74410, 74414, 74420, 74425, 74430, 74430, 74450, 74455, 74470, 74475, 74480, 74485, 75630, 75635, 75774, 75791, 75805, 75807, 75809, 75810, 75811, 75820, 75893, 75894, 75896, 75898, 75900, 75900, 75901, 75902, 75904, 75952, 75953, 75954, 75960, 75961, 75962, 75964, 75966, 75968, 75970, 75978, 75980, 75982, 75992, 75993, 75994, 75995, 75996, 76000, 76001, 76100, 76101, 76102, 76120, 76125, 76140, 76150, 76350, 76376, 76377, 76380, 76390, 76496, 76497, 76498, 76499, 76700, 76705, 76770, 76775, 76936, 76937, 76940, 76942, 76970, 76975, 77001, 77002, 77003, 77012, 77021, 78110, 78111, 78120, 78121, 78122, 78130, 78135, 78140, 78145, 78190, 78191, 78195, 78198, 78201, 78202, 78205, 78206, 78215, 78216, 78258, 78262, 78291, 78399, 78414, 78428, 78445, 78456, 78457, 78458, 78630, 78635, 78645, 78647, 78650, 78660, 78699, 78700, 78701, 78707, 78708, 78709, 78710, 78725, 78730, 78740, 78799, 78800, 78801, 78802, 78803, 78804, 78805, 78806, 78807, 78808, 78812, 78813, 78815, 78816, 78890, 78891, 78999, 79403, 80047, 80048, 80050 |