

**Table 2: Colonoscopy-related Costs, Medicare Fee-for-Service Beneficiaries who Received a Screening or Diagnostic Colonoscopy, 2015**

|   | All Colonoscopies                     |                         | Screening                             |                       | Diagnostic                            |                         |
|---|---------------------------------------|-------------------------|---------------------------------------|-----------------------|---------------------------------------|-------------------------|
|   | Average Costs (\$)<br>per Colonoscopy | Total                   | Average Costs (\$)<br>per Colonoscopy | Total                 | Average Costs (\$)<br>per Colonoscopy | Total                   |
| Number of unique beneficiaries*                 |                                       | 1,930,232               |                                       | 393,211               |                                       | 1,542,610               |
| Number of colonoscopies†                        |                                       | 1,972,424               |                                       | 395,766               |                                       | 1,576,658               |
| Number (%) of incomplete colonoscopies          |                                       | 34,449 (1.75%)          |                                       | 11,739 (2.97%)        |                                       | 22,710 (1.44%)          |
| <b>Colonoscopy costs</b>                        |                                       |                         |                                       |                       |                                       |                         |
| Colonoscopy, total                              | \$ 681.18                             | \$ 1,343,572,440        | \$ 635.60                             | \$ 251,548,303        | \$ 692.62                             | \$ 1,092,024,137        |
| Colonoscopy, professional                       | \$ 211.18                             | \$ 416,543,544          | \$ 194.43                             | \$ 76,948,270         | \$ 215.39                             | \$ 339,595,273          |
| Colonoscopy, facility                           | \$ 469.99                             | \$ 927,028,897          | \$ 441.17                             | \$ 174,600,033        | \$ 477.23                             | \$ 752,428,863          |
| Anesthesia/sedation (HCPCS 00810, 008X1, 008X2) | \$ 83.77                              | \$ 165,229,121          | \$ 78.69                              | \$ 31,141,165         | \$ 85.05                              | \$ 134,087,956          |
| Pathology                                       | \$ 75.01                              | \$ 147,958,131          | \$ 12.44                              | \$ 4,922,169          | \$ 90.72                              | \$ 143,035,962          |
| Lab/tests/imaging                               | \$ 6.82                               | \$ 13,451,699           | \$ 3.72                               | \$ 1,471,635          | \$ 7.60                               | \$ 11,980,063           |
| Radiology (HCPCS 74261, 74262, 74270, 74280)    | \$ 0.32                               | \$ 623,831              | \$ 0.59                               | \$ 233,046            | \$ 0.25                               | \$ 390,785              |
| Other Part B                                    | \$ 103.21                             | \$ 203,582,151          | \$ 84.02                              | \$ 33,253,223         | \$ 108.03                             | \$ 170,328,928          |
| Evaluation & Management                         | \$ 0.89                               | \$ 1,757,362            | \$ 0.36                               | \$ 144,358            | \$ 1.02                               | \$ 1,613,004            |
| Other physician/practitioner                    | \$ 0.88                               | \$ 1,731,575            | \$ 0.56                               | \$ 221,601            | \$ 0.96                               | \$ 1,509,974            |
| Emergency Department                            | \$ 1.16                               | \$ 2,284,273            | \$ 0.65                               | \$ 258,690            | \$ 1.28                               | \$ 2,025,583            |
| Other procedures                                | \$ 33.87                              | \$ 66,800,837           | \$ 30.89                              | \$ 12,225,485         | \$ 34.61                              | \$ 54,575,352           |
| Other anesthesia                                | \$ 5.56                               | \$ 10,964,947           | \$ 3.34                               | \$ 1,321,134          | \$ 6.12                               | \$ 9,643,813            |
| Part B drugs                                    | \$ 0.39                               | \$ 776,230              | \$ 0.37                               | \$ 147,789            | \$ 0.40                               | \$ 628,441              |
| Other, not otherwise listed                     | \$ 60.47                              | \$ 119,266,927          | \$ 47.84                              | \$ 18,934,166         | \$ 63.64                              | \$ 100,332,761          |
| <b>Total</b>                                    | <b>\$ 950.31</b>                      | <b>\$ 1,874,417,373</b> | <b>\$ 815.05</b>                      | <b>\$ 322,569,541</b> | <b>\$ 984.26</b>                      | <b>\$ 1,551,847,831</b> |

Source: Medicare 100 Percent Research Identifiable Outpatient and Carrier Files, 2015

\* The sum of beneficiaries who received a screening and diagnostic colonoscopy does not add to the total as beneficiaries may have received more than one type of colonoscopy in the year.

†Includes both complete and incomplete colonoscopies. Incomplete colonoscopies were identified using the following claims modifiers: 52 - Reduced service; 53 - Discontinued Procedure; 73 - Discontinued outpatient hospital/ambulatory surgery center procedure prior to administration of anesthesia; 74 - Discontinued outpatient hospital/ambulatory surgery center procedure after administration of anesthesia.

Population includes Medicare beneficiaries with full-year Part A & B coverage. Excluded from this population are those beneficiaries with any months of Medicare Advantage (Part C), patients with End Stage Renal Disease, and beneficiaries residing outside the United States. Population was further restricted to beneficiaries with ICD 9/10 code proposed for inclusion in the Comprehensive Colonoscopy Advanced Alternative Payment (CC AAPM) Proposal: ICD-9 V10.05, V10.06, V12.72, V16.0, V18.51, V76.41, V76.50, V76.51, V84.09, 211.3, 211.4, 555, 556, 558.2, 558.9 OR ICD-10 K50, K51, K52.1, K52.89, K52.9, Z85.038, Z85.048, D12.6, Z12.11, Z12.12, Z15.09, Z80.0, Z83.71, Z86.010.

Colonoscopies were identified using the HCPCS included in the Comprehensive Colonoscopy Advanced Alternative Payment Model Proposal: 44388, 44389, 44391, 44392, 44394, 44403, 44404, 45378, 45380, 45381, 45382, 45384, 45385, 45390, G0105, and G0121. Only includes colonoscopies rendered in an outpatient hospital, ambulatory surgical center or a physician office. Colonoscopies performed in an inpatient hospital were excluded.

Services were identified using the HCPCS included in the Comprehensive Colonoscopy Advance Alternative Payment Model Proposal, as follows: Anesthesia and sedation - 00810, 008X1, 008X2, 99152, 99153, 99156, 99157, G0500; Pathology - 88305, 88313, 88341, 88342; Radiology - 74261, 74262, 74270, 74280; Emergency Room - 99281-99285; Evaluation & Management - 99201-99205, 99211-99215, 99241-99245. Screening colonoscopies were classified as those with HCPCS G0105 and G0121. All other HCPCS were classified as diagnostic colonoscopies. Diagnostic colonoscopies that began as screening colonoscopies are classified as diagnostic colonoscopies. Diagnostic colonoscopies that began as screening colonoscopies are classified as diagnostic colonoscopies.