Esophageal Resection Volume Technical Specifications

Inpatient Quality Indicators #1 (IQI #1)
AHRQ Quality Indicators™, Version 5.0
March 2015
Provider-Level Indicator
Type of Score: Volume

Description
The number of hospital discharges with a procedure for esophageal resection or gastrectomy and esophageal cancer for patients 18 years and older or obstetric patients.

Numerator
Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with either:
- any-listed ICD-9-CM procedure codes for esophageal resection; or
- any-listed ICD-9-CM procedure codes for gastrectomy and any-listed ICD-9-CM diagnosis codes for esophageal cancer.

ICD-9-CM Esophageal resection procedure codes:
- 424  ESOPHAGECTOMY
- 4240  ESOPHAGECTOMY NOS
- 4241  PARTIAL ESOPHAGECTOMY
- 4242  TOTAL ESOPHAGECTOMY
- 425  THORAC ESOPHAG ANAST
- 4251  THORAC ESOPHAGOESOPHAGOS
- 4252  THORAC ESOPHAGOGASTROST
- 4253  THORAC SM BOWEL INTERPOS
- 4254  THORAC ESOPHAGOENTER NEC
- 4255  THORAC LG BOWEL INTERPOS
- 4256  THORAC ESOPHAGOCOLOS NEC

ICD-9-CM Total gastrectomy procedure code:
- 4399  TOTAL GASTRECTOMY NEC

ICD-9-CM Esophageal cancer diagnosis codes:
- 1500  MAL NEO CERVICAL ESOPHAG
- 1501  MAL NEO THORACIC ESOPHAG
- 1502  MAL NEO ABDOMIN ESOPHAG
- 1503  MAL NEO UPPER 3RD ESOPH
- 1504  MAL NEO MIDDLE 3RD ESOPH
- 1505  MAL NEO LOWER 3RD ESOPH
- 1508  MAL NEO ESOPHAGUS NEC
- 1509  MAL NEO ESOPHAGUS NOS

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing),
year (YEAR=missing) or principal diagnosis (DX1=missing)

**Denominator**

Not applicable.