

# Esophageal Resection Mortality Rate

## Technical Specifications

### Inpatient Quality Indicators #8 (IQI #8)

AHRQ Quality Indicators™, Version 5.0

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Provider-Level Indicator

Type of Score: Rate

### Description

In-hospital deaths per 1,000 discharges with esophageal resection for cancer, ages 18 years and older. Excludes obstetric discharges and transfers to another hospital.

*[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]*

### Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

### Denominator

Discharges, for patients ages 18 years and older, with either

- any-listed ICD-9-CM procedure codes for esophageal resection and any-listed ICD-9-CM diagnosis codes for esophageal cancer; or
- any-listed ICD-9-CM procedure codes for esophageal resection and any-listed ICD-9-CM diagnosis codes for gastrointestinal-related cancer; or
- any-listed ICD-9-CM procedure codes for total gastrectomy and any-listed ICD-9-CM diagnosis codes for esophageal cancer

#### ICD-9-CM Esophageal resection procedure codes:

424	ESOPHAGECTOMY	4258	THORAC INTERPOSITION NEC
4240	ESOPHAGECTOMY NOS	4259	THORAC ESOPHAG ANAST NEC
4241	PARTIAL ESOPHAGECTOMY	426	STERN ESOPHAG ANAST
4242	TOTAL ESOPHAGECTOMY	4261	STERN ESOPHAGUESOPHAGOST
425	THORAC ESOPHAG ANAST	4262	STERN ESOPHAGOGASTROSTOM
4251	THORAC ESOPHAGUESOPHAGOS	4263	STERN SM BOWEL INTERPOS
4252	THORAC ESOPHAGOGASTROST	4264	STERN ESOPHAGOENTER NEC
4253	THORAC SM BOWEL INTERPOS	4265	STERN LG BOWEL INTERPOS
4254	THORAC ESOPHAGOENTER NEC	4266	STERN ESOPHAGOCOLOS NEC
4255	THORAC LG BOWEL INTERPOS	4268	STERN INTERPOSITION NEC
4256	THORAC ESOPHAGOCOLOS NEC	4269	STERN ESOPHAG ANAST NEC

#### ICD-9-CM Esophageal cancer diagnosis codes:

1500	MAL NEO CERVICAL ESOPHAG	1504	MAL NEO MIDDLE 3RD ESOPH
1501	MAL NEO THORACIC ESOPHAG	1505	MAL NEO LOWER 3RD ESOPH
1502	MAL NEO ABDOMIN ESOPHAG	1508	MAL NEO ESOPHAGUS NEC
1503	MAL NEO UPPER 3RD ESOPH	1509	MAL NEO ESOPHAGUS NOS

**ICD-9-CM Gastrointestinal-related cancer codes:**

1510	MAL NEO STOMACH CARDIA	2301	CA IN SITU ESOPHAGUS
1978	SEC MAL NEO GI NEC	2355	UNC BEHAV NEO GI NEC

**ICD-9-CM Total gastrectomy procedure code:**

4399	OTHER TOTAL GASTRECTOMY
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Exclude cases:

- transferring to another short-term hospital (DISP=2)
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)