

Esophageal Resection Mortality Rate

Inpatient Quality Indicators #8

Technical Specifications

Provider-Level Indicator

Procedure Mortality Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

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

Denominator

Discharges, age 18 years and older, with ICD-9-CM esophageal resection procedure code **and** a diagnosis code of esophageal cancer or gastrointestinal-related cancer in any field.

ICD-9-CM esophageal resection procedure codes¹:

424	<i>ESOPHAGECTOMY</i>	4258	THORAC INTERPOSITION NEC
4240	ESOPHAGECTOMY NOS	4259	THORAC ESOPHAG ANAST NEC
4241	PARTIAL ESOPHAGECTOMY	426	<i>STERN ESOPHAG ANAST</i>
4242	TOTAL ESOPHAGECTOMY	4261	STERN ESOPHAGUESOPHAGOST
425	<i>THORAC ESOPHAG ANAST</i>	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

¹ Italicized codes are not active in the current fiscal year.

ICD-9-CM esophageal cancer code:

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-9CM gastrointestinal-related cancer code:

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

-----OR-----

Any procedure for total gastrectomy **and** any diagnosis of esophageal cancer.

ICD-9-CM gastrectomy procedure code:

4399	OTHER TOTAL GASTRECTOMY
------	-------------------------

ICD-9-CM esophageal cancer code:

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

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)