

Esophageal Resection Mortality Rate

Inpatient Quality Indicators #8

Technical Specifications

Provider-Level Indicator

Procedure Mortality Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

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 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 code:

1500	MALIGNANT NEOPLASM OF ESOPHAGUS, CERVICAL	1504	MALIGNANT NEOPLASM OF ESOPHAGUS, MIDDLE THIRD OF
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1501	MALIGNANT NEOPLASM OF ESOPHAGUS, THORACIC	1505	MALIGNANT NEOPLASM OF ESOPHAGUS, LOWER THIRD OF
1502	MALIGNANT NEOPLASM OF ESOPHAGUS, ABDOMINAL	1508	MALIGNANT NEOPLASM OF ESOPHAGUS, OTHER SPECIFIED PART
1503	MALIGNANT NEOPLASM OF ESOPHAGUS, UPPER THIRD OF	1509	MALIGNANT NEOPLASM OF ESOPHAGUS, UNSPECIFIED
ICD-9CM gastrointestinal-related cancer code:			
1510	MALIGNANT NEOPLASM OF STOMACH, CARDIA	2301	CARCINOMA IN SITU OF DIGESTIVE ORGANS, ESOPHAGUS
1978	SECONDARY MALIGNANT NEOPLASM OF RESPIRATORY AND DIGESTIVE SYSTEMS, OTHER DIGESTIVE ORGANS AND SPLEEN	2355	NEOPLASM OF UNCERTAIN BEHAVIOR OF DIGESTIVE AND RESPIRATORY SYSTEMS, OTHER AND UNSPECIFIED DIGESTIVE ORGANS

-----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	MALIGNANT NEOPLASM OF ESOPHAGUS, CERVICAL	1505	MALIGNANT NEOPLASM OF ESOPHAGUS, LOWER THIRD OF
1501	MALIGNANT NEOPLASM OF ESOPHAGUS, THORACIC	1508	MALIGNANT NEOPLASM OF ESOPHAGUS, OTHER SPECIFIED PART
1502	MALIGNANT NEOPLASM OF ESOPHAGUS, ABDOMINAL	1509	MALIGNANT NEOPLASM OF ESOPHAGUS, UNSPECIFIED
1503	MALIGNANT NEOPLASM OF ESOPHAGUS, UPPER THIRD OF		
1504	MALIGNANT NEOPLASM OF ESOPHAGUS, MIDDLE THIRD OF		

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)