Pancreatic Resection Mortality Rate
Technical Specifications

Inpatient Quality Indicators #9 (IQI #9)
AHRQ Quality Indicators™, Version 5.0
March 2015
Provider-Level Indicator
Type of Score: Rate

Description
In-hospital deaths per 1,000 discharges with pancreatic resection, ages 18 years and older. Includes metrics for discharges grouped by type of diagnosis and procedure. Excludes acute pancreatitis discharges, 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.]

Stratification of Indicator:
The indicator is presented in two strata based on the presence or absence of pancreatic cancer diagnosis.

Numerator

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

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

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

Overall:

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM procedure codes for partial pancreatic resection or any-listed ICD-9-CM procedure codes for total pancreatic resection

ICD-9-CM Partial pancreatic resection procedure codes:

- 5251 PROXIMAL PANCREATECTOMY
- 5252 DISTAL PANCREATECTOMY

ICD-9-CM Total pancreatic resection procedure codes:

- 526 TOTAL PANCREATECTOMY
- 527 RAD PANCREATICODUODENECT

Exclude cases:
- with any-listed ICD-9-CM diagnosis code for acute pancreatitis
- 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)

ICD-9-CM Acute pancreatitis diagnosis code:

- 5770 ACUTE PANCREATITIS

Denominators for stratified rates

Stratum A:

Discharges, for patients ages 18 years and older, with either:
- any-listed ICD-9-CM procedure codes for partial pancreatic resection (see above) and any-listed ICD-9-CM diagnosis codes for pancreatic cancer; or
- any-listed ICD-9-CM procedure codes for total pancreatic resection (see above) and any-listed ICD-9-CM diagnosis codes for pancreatic cancer

ICD-9-CM Pancreatic cancer diagnosis codes:

- 1520 MALIGNANT NEOPL DUODENUM
- 1561 MAL NEO EXTRAHEPAT DUCTS
- 1562 MAL NEO AMPULLA OF VATER
- 1570 MAL NEO PANCREAS HEAD
- 1571 MAL NEO PANCREAS BODY
- 1572 MAL NEO PANCREAS TAIL
- 1573 MAL NEO PANCREATIC DUCT
- 1574 MAL NEO ISLET LANGERHANS
- 1578 MALIG NEO PANCREAS NEC
- 1579 MALIG NEO PANCREAS NOS

Exclude cases:
- with any-listed ICD-9-CM diagnosis code for acute pancreatitis (see above)
- 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)

**Stratum B:**

Discharges, for patients ages 18 years and older, with either:
- any-listed ICD-9-CM procedure codes for partial pancreatic resection (see above) without any-listed ICD-9-CM diagnosis codes for pancreatic cancer (see above); or
- any-listed ICD-9-CM procedure codes for total pancreatic resection (see above) without any-listed ICD-9-CM diagnosis codes for pancreatic cancer (see above)

Exclude cases:
- with any-listed ICD-9-CM diagnosis code for acute pancreatitis (see above)
- 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)