Inpatient Quality Indicator 90 (IQI 90)
Mortality for Selected Inpatient Procedures
July 2020
Hospital-Level Indicator
Type of Score: Ratio

Prepared by:

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

www.qualityindicators.ahrq.gov

Description

The weighted average of the observed-to-expected ratios for the following component indicators:

- IQI 8 Esophageal Resection Mortality Rate
- IQI 9 Pancreatic Resection Mortality Rate
- IQI 11 Abdominal Aortic Aneurism (AAA) Repair Mortality Rate
- IQI 12 Coronary Artery Bypass Graft (CABG) Mortality Rate
- IQI 30 Percutaneous Coronary Intervention (PCI) Mortality Rate
- IQI 31 Carotid Endarterectomy Mortality Rate

The weights include component weights and shrinkage weights. The component weights are denominator weights, defined as the relative frequency of the denominators for the component indicators in the reference population. The shrinkage weights are the signal-to-noise ratio, where the signal variance is estimated from the reference population, and the noise variance is estimated from the user's data and is unique to each provider in the user's data.

Table 1. NQF Denominator Weights for IQI 90

INDICATOR	WEIGHT
IQI 08 Esophageal Resection Mortality Rate	0.0071
IQI 09 Pancreatic Resection Mortality Rate	0.0251
IQI 11 Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate	0.0492
IQI 12 Coronary Artery Bypass Graft (CABG) Mortality Rate	0.2478
IQI 30 Percutaneous Coronary Intervention (PCI) Mortality Rate	0.5784
IQI 31 Carotid Endarterectomy Mortality Rate	0.0924
SUM	1.0000

Source: 2017 State Inpatient Databases, Healthcare Cost and Utilization Program, Agency for Healthcare Research and Quality

For more information, see Quality Indicator Empirical Methods and Composite User Guide.