



Inpatient Quality Indicator 91 (IQI 91) Mortality for Selected Inpatient Conditions July 2024 Hospital-Level Indicator Type of Score: Ratio

Prepared by:

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qualityindicators.ahrq.gov

DESCRIPTION

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

- IQI 15 Acute Myocardial Infarction (AMI) Mortality Rate
- IQI 16 Heart Failure Mortality Rate
- IQI 17 Acute Stroke Mortality Rate
- IQI 18 Gastrointestinal Hemorrhage Mortality Rate
- IQI 19 Hip Fracture Mortality Rate
- IQI 20 Pneumonia 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. Denominator Weights for IQI 91

INDICATOR	WEIGHT
IQI 15 Acute Myocardial Infarction (AMI) Mortality Rate	0.1234
IQI 16 Heart Failure Mortality Rate	0.2642
IQI 17 Acute Stroke Mortality Rate	0.1461
IQI 18 Gastrointestinal Hemorrhage Mortality Rate	0.1210
IQI 19 Hip Fracture Mortality Rate	0.0644
IQI 20 Pneumonia Mortality Rate	0.2808
SUM	1.0000

Source: 2019, 2020 and 2021 State Inpatient Databases (SID), Healthcare Cost and Utilization Project, Agency for Healthcare Research and Quality.

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