



# **Inpatient Quality Indicator 20 (IQI 20) Pneumonia Mortality Rate**

## **July 2017**

### **Provider-Level Indicator**

#### **Type of Score: Rate**

#### **Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

#### **DESCRIPTION**

In-hospital deaths per 1,000 hospital discharges with pneumonia as a principal diagnosis for patients ages 18 years and older. Excludes obstetric discharges, cases in hospice care at admission, 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.]*

#### **NUMERATOR**

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

#### **DENOMINATOR**

Discharges, for patients ages 18 years and older, with a principal ICD-10-CM diagnosis code for pneumonia (*MTPNEUD* \*).

## **DENOMINATOR EXCLUSIONS**

Exclude cases:

- transferring to another short-term hospital (DISP=2)
- cases in hospice care at admission (PointOfOriginUB04=F)
- 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)

\* See below for code list

***Pneumonia diagnosis codes: (MTPNEUD)***

|       |   |        |  |
|-------|---|--------|--|
| A0222 | Salmonella pneumonia  | J120   | Adenoviral pneumonia   |
| A212  | Pulmonary tularemia   | J121   | Respiratory syncytial virus pneumonia                          |
| A221  | Pulmonary anthrax   | J122   | Parainfluenza virus pneumonia                                  |
| A3701 | Whooping cough due to Bordetella pertussis with pneumonia     | J123   | Human metapneumovirus pneumonia                                |
| A3711 | Whooping cough due to Bordetella parapertussis with pneumonia | J1281  | Pneumonia due to SARS-associated coronavirus                   |
| A3781 | Whooping cough due to other Bordetella species with pneumonia | J1289  | Other viral pneumonia  |
| A3791 | Whooping cough, unspecified species with pneumonia            | J129   | Viral pneumonia, unspecified                                   |
| A420  | Pulmonary actinomycosis                                       | J13    | Pneumonia due to Streptococcus pneumoniae                      |
| A430  | Pulmonary nocardiosis   | J14    | Pneumonia due to Hemophilus influenzae                         |
| A481  | Legionnaires' disease   | J150   | Pneumonia due to Klebsiella pneumoniae                         |
| B012  | Varicella pneumonia   | J151   | Pneumonia due to Pseudomonas                                   |
| B052  | Measles complicated by pneumonia                              | J1520  | Pneumonia due to staphylococcus, unspecified                   |
| B250  | Cytomegaloviral pneumonitis                                   | J15211 | Pneumonia due to Methicillin susceptible Staphylococcus aureus |
| B371  | Pulmonary candidiasis   | J15212 | Pneumonia due to Methicillin resistant Staphylococcus aureus   |
| B380  | Acute pulmonary coccidioidomycosis                            | J1529  | Pneumonia due to other staphylococcus                          |
| B381  | Chronic pulmonary coccidioidomycosis                          | J153   | Pneumonia due to streptococcus, group B                        |
| B382  | Pulmonary coccidioidomycosis, unspecified                     | J154   | Pneumonia due to other streptococci                            |
| B390  | Acute pulmonary histoplasmosis capsulati                      | J155   | Pneumonia due to Escherichia coli                              |
| B391  | Chronic pulmonary histoplasmosis capsulati                    | J156   | Pneumonia due to other aerobic Gram-negative bacteria          |
| B392  | Pulmonary histoplasmosis capsulati, unspecified               | J157   | Pneumonia due to Mycoplasma pneumoniae                         |
| B440  | Invasive pulmonary aspergillosis                              | J158   | Pneumonia due to other specified bacteria                      |
| B583  | Pulmonary toxoplasmosis                                       | J159   | Unspecified bacterial pneumonia                                |
| B59   | Pneumocystosis  | J160   | Chlamydial pneumonia   |
| B7781 | Ascariasis pneumonia  | J168   | Pneumonia due to other specified infectious organisms          |

|       |  |      |  |
|-------|--|------|--|
| J09X1 | Influenza due to identified novel influenza A virus with pneumonia   | J17  | Pneumonia in diseases classified elsewhere |
| J1000 | Influenza due to other identified influenza virus with unspecified type of pneumonia                       | J180 | Bronchopneumonia, unspecified organism     |
| J1001 | Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia | J181 | Lobar pneumonia, unspecified organism      |
| J1008 | Influenza due to other identified influenza virus with other specified pneumonia                           | J188 | Other pneumonia, unspecified organism      |
| J1100 | Influenza due to unidentified influenza virus with unspecified type of pneumonia                           | J189 | Pneumonia, unspecified organism            |
| J1108 | Influenza due to unidentified influenza virus with specified pneumonia                                     |      |  |