



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

## **July 2020**

### **Hospital-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 principal diagnosis of pneumonia 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*<sup>\*</sup>).

## **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 an ungroupable DRG (DRG=999)
- 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 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		