

Pneumonia Mortality Rate Technical Specifications

Inpatient Quality Indicators #20 (IQI #20)

AHRQ Quality Indicators™, Version 5.0

March 2015

Provider-Level Indicator

Type of Score: Rate

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 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-9-CM diagnosis code for pneumonia.

ICD-9-CM Pneumonia diagnosis codes:

| | | | |
|-------|--------------------------------------|-------|--------------------------|
| 00322 | SALMONELLA PNEUMONIA | 48239 | OTH STREP PNEUMONIA |
| 0212 | PULMONARY TULAREMIA | 4824 | STAPHYLOCOCCAL PNEUMONIA |
| 0391 | PULMONARY ACTINOMYCOSIS | 48240 | STAPH PNEUMONIA UNSP |
| 0521 | VARICELLA PNEUMONITIS | 48241 | METH SUS PNEUM D/T STAPH |
| 0551 | POSTMEASLES PNEUMONIA | 48242 | METH RES PNEU D/T STAPH |
| 0730 | ORNITHOSIS PNEUMONIA | 48249 | STAPH PNEUMON OTH |
| 1124 | CANDIDIASIS OF LUNG | 48281 | ANAEROBIC PNEUMONIA |
| 1140 | PRIMARY COCCIDIOIDOMYCOS | 48282 | E COLI PNEUMONIA |
| 1144 | CHRONIC PULMON COCCIDIOIDOMYCOSIS | 48283 | OTH GRAM NEG PNEUMONIA |
| 1145 | UNSPEC PULMON COCCIDIOIDOMYCOSIS | 48284 | LEGIONNAIRES DX |
| 11505 | HISTOPLASM CAPS PNEUMON | 48289 | BACT PNEUMONIA NEC |
| 11515 | HISTOPLASM DUB PNEUMONIA | 4829 | BACTERIAL PNEUMONIA NOS |
| 11595 | HISTOPLASMOSIS PNEUMONIA | 4830 | MYCOPLASMA PNEUMONIA |
| 1304 | TOXOPLASMA PNEUMONITIS | 4831 | CHLAMYDIA PNEUMONIA |
| 1363 | PNEUMOCYSTOSIS | 4838 | OTH SPEC ORG PNEUMONIA |

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| | | | |
|-------|--------------------------|-------|---|
| 4800 | ADENOVIRAL PNEUMONIA | 4841 | PNEUM W CYTOMEG INCL DIS |
| 4801 | RESP SYNCYT VIRAL PNEUM | 4843 | PNEUMONIA IN WHOOP COUGH |
| 4802 | PARINFLUENZA VIRAL PNEUM | 4845 | PNEUMONIA IN ANTHRAX |
| 4803 | PNEUMONIA DUE TO SARS | 4846 | PNEUM IN ASPERGILLOSIS |
| 4808 | VIRAL PNEUMONIA NEC | 4847 | PNEUM IN OTH SYS MYCOSES |
| 4809 | VIRAL PNEUMONIA NOS | 4848 | PNEUM IN INFECT DIS NEC |
| 481 | PNEUMOCOCCAL PNEUMONIA | 485 | BRONCOPNEUMONIA ORG NOS |
| 4820 | K. PNEUMONIAE PNEUMONIA | 486 | PNEUMONIA, ORGANISM NOS |
| 4821 | PSEUDOMONAL PNEUMONIA | 4870 | INFLUENZA WITH PNEUMONIA |
| 4822 | H.INFLUENZAE PNEUMONIA | 48801 | INFLUENZA D/T IDENTIFIED AVIAN INFLUENZA VIRUS |
| 48230 | STREP PNEUMONIA UNSPEC | 48811 | INFLUENZA D/T IDENTIFIED 2009 H1N1 INFLUENZA VIRUS W/PNEUMONIA |
| 48231 | GRP A STREP PNEUMONIA | 48881 | NOVEL INFLUENZA W/PNEUMONIA |
| 48232 | GRP B STREP PNEUMONIA | | |

Exclude cases:

- 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)