

Pneumonia Mortality Rate

Technical Specifications

Inpatient Quality Indicators #20 (IQI #20)

AHRQ Quality Indicators™, Version 4.5, May 2013

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 codes¹:

00322	SALMONELLA PNEUMONIA	4803	PNEUMONIA DUE TO SARS
0212	PULMONARY TULAREMIA	4808	VIRAL PNEUMONIA NEC
0391	PULMONARY ACTINOMYCOSIS	4809	VIRAL PNEUMONIA NOS
0521	VARICELLA PNEUMONITIS	481	PNEUMOCOCCAL PNEUMONIA
0551	POSTMEASLES PNEUMONIA	4820	K. PNEUMONIAE PNEUMONIA
0730	ORNITHOSIS PNEUMONIA	4821	PSEUDOMONAL PNEUMONIA
1124	CANDIDIASIS OF LUNG	4822	H.INFLUENZAE PNEUMONIA
1140	PRIMARY COCCIDIOIDOMYCOS	48230	STREPTOCOCCAL PNEUMN NOS
1144	CH PL COCCIDIOIDOMYCOSIS	48231	PNEUMONIA STRPTOCOCCUS A
1145	PL COCCIDIOIDOMYCOSIS NOS	48232	PNEUMONIA STRPTOCOCCUS B
11505	HISTOPLASM CAPS PNEUMON	48239	PNEUMONIA OTH STREP
11515	HISTOPLASM DUB PNEUMONIA	4824	STAPHYLOCOCCAL PNEU NOS
11595	HISTOPLASMOSIS PNEUMONIA	48240	STAPHYLOCOCCAL PNEU NOS
1304	TOXOPLASMA PNEUMONITIS	48241	METH SUS PNEUM D/T STAPH
1363	PNEUMOCYSTOSIS	48242	METH RES PNEU D/T STAPH
4800	ADENOVIRAL PNEUMONIA	48249	STAPH PNEUMONIA NEC
4801	RESP SYNCYT VIRAL PNEUM	48281	PNEUMONIA ANAEROBES
4802	PARINFLUENZA VIRAL PNEUM	48282	PNEUMONIA E COLI

**AHRQ QI™ Version 4.5, Inpatient Quality Indicators #20, Technical Specifications,
Pneumonia Mortality Rate
www.qualityindicators.ahrq.gov**

48283	PNEUMO OTH GRM-NEG BACT	4843	PNEUMONIA IN WHOOP COUGH
48284	LEGIONNAIRES' DISEASE	4845	PNEUMONIA IN ANTHRAX
48289	PNEUMONIA OTH SPCF BACT	4846	PNEUM IN ASPERGILLOSIS
4829	BACTERIAL PNEUMONIA NOS	4847	PNEUM IN OTH SYS MYCOSES
4830	PNEU MYCPLSM PNEUMONIAE	4848	PNEUM IN INFECT DIS NEC
4831	PNEUMONIA D/T CHLAMYDIA	485	BRONCOPNEUMONIA ORG NOS
4838	PNEUMON OTH SPEC ORGNSM	486	PNEUMONIA, ORGANISM NOS
4841	PNEUM W CYTOMEG INCL DIS	4870	INFLUENZA WITH PNEUMONIA

¹The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

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)