



**AHRQ Quality Indicators™ (AHRQ QI™)
ICD-9-CM and ICD-10-CM/PCS
Specification Enhanced Version 5.0**

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

**October 2015
Provider-Level Indicator
Type of Score: Rate**

Prepared by:

Agency for Healthcare Research and Quality
U.S. Department of Health and Human Services
540 Gaither Road
Rockville, MD 20850

www.qualityindicators.ahrq.gov

IQI #20 Pneumonia Mortality 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.]

IQI #20 Pneumonia Mortality Rate

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

IQI #20 Pneumonia Mortality Rate

www.qualityindicators.ahrq.gov

IQI #20 Pneumonia Mortality Rate

NUMERATOR EXCLUSIONS
<i>Not Applicable</i>

IQI #20 Pneumonia Mortality Rate

DENOMINATOR			
Discharges, for patients ages 18 years and older, with a principal ICD-9-CM or ICD-10-CM diagnosis code for pneumonia.			
<i>Pneumonia diagnosis codes: (MTPNEUD)</i>			
ICD-9-CM	Description	ICD-10-CM	Description
00322	SALMONELLA PNEUMONIA	A0222	Salmonella pneumonia
0212	PULMONARY TULAREMIA	A212	Pulmonary tularemia
0391	PULMONARY ACTINOMYCOSIS	A221	Pulmonary anthrax
0521	VARICELLA PNEUMONITIS	A3701	Whooping cough due to Bordetella pertussis with pneumonia
0551	POSTMEASLES PNEUMONIA	A3711	Whooping cough due to Bordetella parapertussis with pneumonia
0730	ORNITHOSIS PNEUMONIA	A3781	Whooping cough due to other Bordetella species with pneumonia
1124	CANDIDIASIS OF LUNG	A3791	Whooping cough, unspecified species with pneumonia
1140	PRIMARY COCCIDIOIDOMYCOSIS	A420	Pulmonary actinomycosis
1144	CHRONIC PULMON COCCIDIOIDOMYCOSIS	A430	Pulmonary nocardiosis
1145	UNSPEC PULMON COCCIDIOIDOMYCOSIS	A481	Legionnaires disease
11505	HISTOPLASM CAPS PNEUMON	B012	Varicella pneumonia
11515	HISTOPLASM DUB PNEUMONIA	B052	Measles complicated by pneumonia
11595	HISTOPLASMOSIS PNEUMONIA	B250	Cytomegaloviral pneumonitis
1304	TOXOPLASMA PNEUMONITIS	B371	Pulmonary candidiasis
1363	PNEUMOCYSTOSIS	B380	Acute pulmonary coccidioidomycosis
4800	ADENOVIRAL PNEUMONIA	B381	Chronic pulmonary coccidioidomycosis
4801	RESP SYNCYT VIRAL PNEUM	B382	Pulmonary coccidioidomycosis, unspecified
4802	PARINFLUENZA VIRAL PNEUM	B390	Acute pulmonary histoplasmosis capsulati
4803	PNEUMONIA DUE TO SARS	B391	Chronic pulmonary histoplasmosis capsulati

IQI #20 Pneumonia Mortality Rate

www.qualityindicators.ahrq.gov

4808	VIRAL PNEUMONIA NEC	B392	Pulmonary histoplasmosis capsulati, unspecified
4809	VIRAL PNEUMONIA NOS	B440	Invasive pulmonary aspergillosis
481	PNEUMOCOCCAL PNEUMONIA	B583	Pulmonary toxoplasmosis
4820	K. PNEUMONIAE PNEUMONIA	B59	Pneumocystosis
4821	PSEUDOMONAL PNEUMONIA	B7781	Ascariasis pneumonia
4822	H.INFLUENZAE PNEUMONIA	J1000	Influenza due to other identified influenza virus with unspecified type of pneumonia
48230	STREP PNEUMONIA UNSPEC	J1008	Influenza due to other identified influenza virus with other specified pneumonia
48231	GRP A STREP PNEUMONIA	J1100	Influenza due to unidentified influenza virus with unspecified type of pneumonia
48232	GRP B STREP PNEUMONIA	J1108	Influenza due to unidentified influenza virus with specified pneumonia
48239	OTH STREP PNEUMONIA	J120	Adenoviral pneumonia
4824	STAPHYLOCOCCAL PNEUMONIA	J121	Respiratory syncytial virus pneumonia
48240	STAPH PNEUMONIA UNSP	J122	Parainfluenza virus pneumonia
48241	METH SUS PNEUM D/T STAPH	J123	Human metapneumovirus pneumonia
48242	METH RES PNEU D/T STAPH	J1281	Pneumonia due to SARS-associated coronavirus
48249	STAPH PNEUMON OTH	J1289	Other viral pneumonia
48281	ANAEROBIC PNEUMONIA	J129	Viral pneumonia, unspecified
48282	E COLI PNEUMONIA	J13	Pneumonia due to Streptococcus pneumoniae
48283	OTH GRAM NEG PNEUMONIA	J14	Pneumonia due to Hemophilus influenzae
48284	LEGIONNAIRES DX	J150	Pneumonia due to Klebsiella pneumoniae
48289	BACT PNEUMONIA NEC	J151	Pneumonia due to Pseudomonas
4829	BACTERIAL PNEUMONIA NOS	J1520	Pneumonia due to staphylococcus, unspecified
4830	MYCOPLASMA PNEUMONIA	J15211	Pneumonia due to Methicillin susceptible Staphylococcus aureus
4831	CHLAMYDIA PNEUMONIA	J15212	Pneumonia due to Methicillin resistant Staphylococcus aureus

IQI #20 Pneumonia Mortality Rate

www.qualityindicators.ahrq.gov

4838	OTH SPEC ORG PNEUMONIA	J1529	Pneumonia due to other staphylococcus
4841	PNEUM W CYTOMEG INCL DIS	J153	Pneumonia due to streptococcus, group B
4843	PNEUMONIA IN WHOOP COUGH	J154	Pneumonia due to other streptococci
4845	PNEUMONIA IN ANTHRAX	J155	Pneumonia due to Escherichia coli
4846	PNEUM IN ASPERGILLOSIS	J156	Pneumonia due to other aerobic Gram-negative bacteria
4847	PNEUM IN OTH SYS MYCOSES	J157	Pneumonia due to Mycoplasma pneumoniae
4848	PNEUM IN INFECT DIS NEC	J158	Pneumonia due to other specified bacteria
485	BRONCOPNEUMONIA ORG NOS	J159	Unspecified bacterial pneumonia
486	PNEUMONIA, ORGANISM NOS	J160	Chlamydial pneumonia
4870	INFLUENZA WITH PNEUMONIA	J168	Pneumonia due to other specified infectious organisms
48801	INFLUENZA D/T IDENTIFIED AVIAN INFLUENZA VIRUS	J17	Pneumonia in diseases classified elsewhere
48811	INFLUENZA D/T IDENTIFIED 2009 H1N1 INFLUENZA VIRUS W/PNEUMONIA	J180	Bronchopneumonia, unspecified organism
48881	NOVEL INFLUENZA W/PNEUMONIA	J181	Lobar pneumonia, unspecified organism
		J188	Other pneumonia, unspecified organism
		J189	Pneumonia, unspecified organism

IQI #20 Pneumonia Mortality Rate

DENOMINATOR EXCLUSIONS

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)