

CDC Pneumonia CCDD v1
Definition Factsheet & Technical Brief

New or Revised Definition: New

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Authored by the NSSP Community of Practice.

Table 1. Inclusion and exclusion terms.

Terms	Description
<i>Inclusion</i>	
Chief Complaint	
pneumon	
pnuemon	
pneumocy	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
J12	Viral pneumonia, not elsewhere classified
J13	Pneumonia due to Streptococcus pneumoniae
J14	Pneumonia due to Hemophilus influenzae
J15	Bacterial pneumonia, not elsewhere classified
J16	Pneumonia due to other infectious organisms, not elsewhere classified
J17	Pneumonia in diseases classified elsewhere
J18	Pneumonia, unspecified organism
B59	Pneumocystosis
B95.3	Streptococcus pneumoniae as the cause of diseases classified elsewhere
B96.3	Hemophilus influenzae [H. influenzae] as the cause of diseases classified elsewhere
B39.2	Pulmonary histoplasmosis capsulati
P23	Congenital pneumonia
J85.1	Abscess of lung with pneumonia
A37.01	Whooping cough due to Bordetella pertussis with pneumonia
A37.11	Whooping cough due to Bordetella parapertussis with pneumonia
A37.81	Whooping cough due to other Bordetella species with pneumonia
A37.91	Whooping cough, unspecified species with pneumonia
B96.0	Mycoplasma pneumoniae [M. pneumoniae] as the cause of diseases classified elsewhere

Terms	Description
B45.0	Pulmonary cryptococcosis
B44.9	Aspergillosis, unspecified
B38.0	Acute pulmonary coccidioidomycosis
B38.1	Chronic pulmonary coccidioidomycosis
SNOMED Concepts	
233604007	Pneumonia (disorder)
385093006	Community acquired pneumonia (disorder)
408679000	Healthcare associated pneumonia (disorder)
301000005	Left lower zone pneumonia (disorder)
301001009	Right lower zone pneumonia (disorder)
233606009	Atypical pneumonia (disorder)
407671000	Bilateral pneumonia (disorder)
301003007	Right middle zone pneumonia (disorder)
425464007	Nosocomial pneumonia (disorder)
5505005	Acute bronchiolitis (disorder)
75570004	Viral pneumonia (disorder)
300999006	Basal pneumonia (disorder)
301002002	Left upper zone pneumonia (disorder)
396285007	Bronchopneumonia (disorder)
161525004	History of pneumonia (situation)
426696003	Lingular pneumonia (disorder)
312342009	Infective pneumonia (disorder)
53084003	Bacterial pneumonia (disorder)
278516003	Lobar pneumonia (disorder)
195881003	Pneumonia caused by respiratory syncytial virus (disorder)
64667001	Interstitial pneumonia (disorder)
195878008	Pneumonia and influenza (disorder)
63039003	Influenza with respiratory manifestation other than pneumonia (disorder)
699014000	Recurrent pneumonia (disorder)
371072008	Postobstructive pneumonia (disorder)

Terms	Description
236302005	Acute interstitial pneumonia (disorder)
196112005	Abscess of lung with pneumonia (disorder)
471272001	Cavitary pneumonia (disorder)
7548000	Rheumatic pneumonia (disorder)
22343003	Pneumonitis caused by fumes AND/OR vapors (disorder)
7063008	Gangrenous pneumonia (disorder)
408680002	Healthcare associated bacterial pneumonia (disorder)
415125002	Pneumocystosis pneumonia (disorder)
700250006	Idiopathic pulmonary fibrosis (disorder)
425996009	Bilateral basal pneumonia (disorder)
314978007	Postoperative pneumonia (disorder)
41381004	Pneumonia caused by Pseudomonas (disorder)
429271009	Ventilator-acquired pneumonia (disorder)
699015004	Recurrent aspiration pneumonia (disorder)
233609002	Pneumonia caused by Chlamydiaceae (disorder)
713544008	Pneumonia caused by Human coronavirus (disorder)
233613009	Fungal pneumonia (disorder)
421671002	Pneumonia associated with acquired immunodeficiency syndrome (disorder)
34020007	Pneumonia caused by Streptococcus (disorder)
2523007	Salmonella pneumonia
421508002	Viral pneumonia associated with acquired immunodeficiency syndrome (disorder)
111900000	Pneumonia in aspergillosis (disorder)
195920000	Influenza with pneumonia
41207000	Adenoviral pneumonia (disorder)
78895009	Congenital pneumonia (disorder)
123590007	Focal pneumonia (disorder)
44274007	Lymphoid interstitial pneumonia (disorder)
233618000	Hypostatic pneumonia (disorder)
68409003	Disorder of lower respiratory system (disorder)
55679008	Peribronchial pneumonia (disorder)

Terms	Description
233607000	Pneumococcal pneumonia
430395005	Pneumonia caused by Gram negative bacteria (disorder)
38699009	Pneumonia caused by Histoplasma capsulatum (disorder)
441590008	Pneumonia caused by Severe acute respiratory syndrome coronavirus (disorder)
195904005	Pneumonia with coccidioidomycosis (disorder)
22754005	Staphylococcal pneumonia (disorder)
57702005	Unresolved pneumonia (disorder)
3487004	Disorder of lower respiratory system (disorder)
9861002	Streptococcus pneumoniae (organism)
103442008	Haemophilus influenzae (organism)
88860002	Pneumocystosis
71926009	Infective pneumonia acquired prenatally (disorder)
27836007	Pertussis
59475000	Pneumonia in pertussis (disorder)
46970008	Pneumonia caused by Mycoplasma pneumoniae (disorder)
10625431000119105	Bronchopneumonia caused by Mycoplasma pneumoniae (disorder)
20953001	Pneumonia caused by Klebsiella pneumoniae (disorder)
187027001	Acute pulmonary coccidioidomycosis (disorder)
233615002	Chronic pulmonary coccidioidomycosis (disorder)
<i>Exclusion</i>	
Chief Complaint	
shot	
vacc	
immuniz	
proph	
aspiration	
asperat	
regurgitated	
pneumonitis	
had pneumonia	

Terms	Description
history of pneumonia	
hx of pneumonia	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
Z87.01	Personal history of pneumonia (recurrent)
SNOMED Concepts	
301004001	Right upper zone pneumonia (disorder)

Table 2. ESSENCE syntax.

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(,^pneumon^,or,^pnuemon^,or,^pneumocy^,or,^[/ J]1[2346578]^,or,^[/ ]b59^,or,^[/ ]b95.3^,or,^[/ ]b953^,or,^[/ ]
b96.3^,or,^[/ ]b963^,or,^[/ ]b39.2^,or,^[/ ]b392^,or,^[/ ]p23^,or,^[/ ]j85.1^,or,^[/ ]j851^,or,^[/ ]a37.[0198]
[1]^,or,^[/ ]a37[098][1]^,
or,^[/ ]b96.0^,or,^[/ ]b960^,or,^[/ ]b45.0^,or,^[/ ]b450^,or,^[/ ]b44.9^,or,^[/ ]b449^,or,^[/ ]b38.
[10]^,or,^[/ ]b38[10]^,or,
^[/ ]233604007^,or,^[/ ]385093006^,or,^[/ ]408679000^,or,^[/ ]301000005^,or,^[/ ]301001009^,or,^[/ ]2336060
09^,or,^[/ ]407671000^,or,^[/ ]301003007^,or,^[/ ]425464007^,or,^[/ ]5505005^,or,^[/ ]75570004^,or,^[/ ]30099
9006^,or,^[/ ]301002002^,or,^[/ ]396285007^,or,^[/ ]161525004^,or,^[/ ]426696003^,or,^[/ ]312342009^,or,^[/ ]
53084003^,or,^[/ ]278516003^,or,^[/ ]195881003^,or,^[/ ]64667001^,or,^[/ ]195878008^,or,^[/ ]63039003^,or,^[/ ]
[/ ]699014000^,or,^[/ ]371072008^,or,^[/ ]236302005^,or,^[/ ]196112005^,or,^[/ ]471272001^,or,^[/ ]7548000^,
or,^[/ ]22343003^,or,^[/ ]7063008^,or,^[/ ]408680002^,or,^[/ ]415125002^,or,^[/ ]700250006^,or,^[/ ]42599600
9^,or,^[/ ]314978007^,or,^[/ ]41381004^,or,^[/ ]429271009^,or,^[/ ]699015004^,or,^[/ ]233609002^,or,^[/ ]7135
44008^,or,^[/ ]233613009^,or,^[/ ]421671002^,or,^[/ ]34020007^,or,^[/ ]2523007^,or,^[/ ]421508002^,or,^[/ ]11
1900000^,or,^[/ ]195920000^,or,^[/ ]41207000^,or,^[/ ]78895009^,or,^[/ ]123590007^,or,^[/ ]44274007^,or,^[/ ]
233618000^,or,^[/ ]68409003^,or,^[/ ]55679008^,or,^[/ ]233607000^,or,^[/ ]430395005^,or,^[/ ]38699009^,or,^[/ ]
[/ ]441590008^,or,^[/ ]195904005^,or,^[/ ]22754005^,or,^[/ ]57702005^,or,^[/ ]3487004^,or,^[/ ]9861002^,or,^[/ ]
103442008^,or,^[/ ]88860002^,or,^[/ ]71926009^,or,^[/ ]27836007^,or,^[/ ]59475000^,or,^[/ ]46970008]^,or,^[/ ]
10625431000119105^,or,^[/ ]20953001^,or,^[/ ]187027001^,or,^[/ ]233615002^),andnot,
(^,^shot^,or,^vacc^,or,^immuniz^,or,^proph^,or,^aspiration^,or,^asperat^,or,^regurgitated^,or,^pneumonitis^,or,^z8
7.01^,or,^z8701^,or,^[/ ]301004001^,or,^had pneumonia^,or,^history of pneumonia^,or,^hx of pneumonia^)
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