

CDC Pertussis v1
Definition Factsheet & Technical Brief

New or Revised Definition: New

Date Created in ESSENCE: February 8, 2019

Authored by the NSSP Community of Practice.

Table 1. Inclusion and exclusion terms.

Terms	Description
<i>Inclusion</i>	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
A37	Whooping cough
A37.0	Whooping cough due to Bordetella pertussis
A37.00	Whooping cough due to Bordetella pertussis without pneumonia
A37.01	Whooping cough due to Bordetella pertussis with pneumonia
A37.1	Whooping cough due to Bordetella parapertussis
A37.10	Whooping cough due to Bordetella parapertussis without pneumonia
A37.11	Whooping cough due to Bordetella parapertussis with pneumonia
A37.8	Whooping cough due to other Bordetella species
A37.80	Whooping cough due to other Bordetella species without pneumonia
A37.81	Whooping cough due to other Bordetella species with pneumonia
A37.9	Whooping cough, unspecified species
A37.90	Whooping cough, unspecified species without pneumonia
A37.91	Whooping cough, unspecified species with pneumonia
SNOMED Concepts	
5247005	Bordetella pertussis
17191002	Pseudomonas pertucinogena
82670009	Whooping cough caused by organism other than Bordetella pertussis
93417001	Conjunctivitis caused by Bordetella pertussis
104275005	Measurement of Bordetella species antibody (procedure)
120662001	Bordetella pertussis antibody
120747009	Antibody to Bordetella (substance)
121074009	Antigen of Bordetella pertussis

Terms	Description
121941006	Measurement of Bordetella parapertussis antibody
121942004	Measurement of Bordetella pertussis antibody
122182009	Bordetella parapertussis antigen assay
122183004	Bordetella pertussis antigen assay
122206002	Bordetella pertussis culture
143594005	Bordetella pertussis antibody level
147780008	Notification of whooping cough
148351004	Pertussis screening
154300007	Whooping cough
161422003	History of pertussis
166230003	Bordetella pertussis antibody level
170526005	Notification of whooping cough
171130007	Pertussis screening
186351008	Bordetella pertussis (& infection)
186353006	Whooping cough - other specified organism
186355004	Other whooping cough NOS
271567008	Whooping cough-like syndrome
313273004	Pertussis swab
315073006	Bordetella pertussis antibody level
316616002	[V]Screening for whooping cough
390793003	Bordetella pertussis rough phase IV
432356003	Pertussis contact
444387000	Exposure to Bordetella pertussis
707562007	Immunoglobulin A antibody to Bordetella pertussis
708081009	Immunoglobulin A antibody to Bordetella pertussis filamentous hemagglutinin + Bordetella pertussis toxin
708082002	Immunoglobulin A antibody to Bordetella pertussis filamentous hemagglutinin
708083007	Immunoglobulin A antibody to Bordetella pertussis toxin
708162003	Deoxyribonucleic acid of Bordetella pertussis
709784002	Antibody to Bordetella pertussis Yamaguchi

Terms	Description
710378002	Immunoglobulin G antibody to Bordetella pertussis
710597001	Immunoglobulin M antibody to Bordetella pertussis
27836007	Pertussis
59475000	Pneumonia in pertussis
155556004	Pertussis pneumonia
186350009	(Whooping cough) or (Bordetella)
186356003	Whooping cough NOS
187325000	[X]Whooping cough, unspecified
408682005	Healthcare associated pertussis
Chief Complaint	
whooping	
pertuss	
Exclusion	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
Z23	Encounter for immunization
Chief Complaint	
vacc	
immun	
proph	

Table 2. ESSENCE syntax.

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(,[^;/ ]5247005^,or,[^;/ ]17191002^,or,[^;/ ]82670009^,or,[^;/ ]93417001^,or,[^;/ ]104275005^,or,[^;/ ]120662001^,or,[^;/ ]120747009^,or,[^;/ ]121074009^,or,[^;/ ]121941006^,or,[^;/ ]121942004^,or,[^;/ ]122182009^,or,[^;/ ]122183004^,or,[^;/ ]122206002^,or,[^;/ ]143594005^,or,[^;/ ]147780008^,or,[^;/ ]148351004^,or,[^;/ ]154300007^,or,[^;/ ]161422003^,or,[^;/ ]166230003^,or,[^;/ ]170526005^,or,[^;/ ]171130007^,or,[^;/ ]186351008^,or,[^;/ ]186353006^,or,[^;/ ]186355004^,or,[^;/ ]271567008^,or,[^;/ ]313273004^,or,[^;/ ]315073006^,or,[^;/ ]316616002^,or,[^;/ ]390793003^,or,[^;/ ]432356003^,or,[^;/ ]444387000^,or,[^;/ ]707562007^,or,[^;/ ]708081009^,or,[^;/ ]708082002^,or,[^;/ ]708083007^,or,[^;/ ]708162003^,or,[^;/ ]709784002^,or,[^;/ ]710378002^,or,[^;/ ]710597001^,or,[^;/ ]27836007^,or,[^;/ ]59475000^,or,[^;/ ]155556004^,or,[^;/ ]186350009^,or,[^;/ ]186356003^,or,[^;/ ]187325000^,or,[^;/ ]408682005^,or,[^;/ ]A37^,or,^whooping^,or,^pertuss^),ANDNOT,(,^vacc^,or,^immun^,or,^proph^,or,[^;/ ]Z23^,)
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