

Table 1. Codes to Identify Visit Type

Description	CPT	UB Revenue
Outpatient	99201-99205, 99211-99215, 99217-99220, 99241-99245, 99341-99345, 99347-99350, 99382-99386, 99392-99396, 99401-99404, 99411, 99412, 99420, 99429	051x, 0520-0523, 0526-0529, 057x-059x, 0982, 0983
Acute inpatient	99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99291	010x, 0110-0114, 0119, 0120-0124, 0129, 0130-0134, 0139, 0140-0144, 0149, 0150-0154, 0159, 016x, 020x, 021x, 072x, 0987
Emergency Department	99281-99285	045x, 0981

Table 2. Codes to Identify Diagnosis of Persistent Asthma

Condition Name	ICD-9-CM Code(s)
Asthma	493
Extrinsic asthma	493.0
Extrinsic asthma, unspecified	493.00
Extrinsic asthma with status asthmaticus	493.01
Extrinsic asthma with (acute) exacerbation	493.02
Intrinsic asthma	493.1
Intrinsic asthma, unspecified	493.10
Intrinsic asthma with status asthmaticus	493.11
Intrinsic asthma with (acute) exacerbation	493.12
Chronic obstructive asthma	493.2
Chronic obstructive asthma, unspecified	493.20
Chronic obstructive asthma with status asthmaticus	493.21
Chronic obstructive asthma with (acute) exacerbation	493.22
Other forms of asthma	493.8
Cough variant asthma	493.82
Asthma unspecified	493.9
Asthma,unspecified type, unspecified	493.90
Asthma, unspecified type, with status asthmaticus	493.91
Asthma,unspecified type, with (acute) exacerbation	493.92

Table 3. Codes to Identify Exclusions

Exclusions for All Cases	ICD-9-CM Code(s)
Cystic fibrosis without meconium ileus	277.0, 277.00
Cystic fibrosis with meconium ileus	277.01
Cystic fibrosis with pulmonary manifestations	277.02
Cystic fibrosis with GI manifestations	277.03
Cystic fibrosis with other manifestations	277.09
Bronchiectasis	494
Bronchiectasis, without acute exacerbation	494.0
Bronchiectasis, with acute exacerbation	494.1
Exclusions for All Cases Younger than 6 years old	ICD-9-CM Code(s)
Chronic obstructive lung disease	496
Chronic lung disease, NOS	518.89
Tracheomalacia	519.1, 519.11, 519.19
Chronic respiratory disease arising in the perinatal period	770.7
Bronchomalacia	748.3
Not Sufficient for Inclusion, 6 years or older	ICD-9-CM Code(s)
Chronic obstructive lung disease	496
Chronic lung disease, NOS	518.89
Tracheomalacia	519.11, 519.19
Chronic respiratory disease arising in the perinatal period	770.7
Bronchomalacia	748.3
Not Sufficient for Inclusion, All Ages	ICD-9-CM Code
Exercise induced bronchospasm	493.81