

**CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**  
**Analytic Narrative and Data Elements**

**RELEASE NOTES Version 3.0; 07/07**

**RELEASE NOTES outline changes made to the Analytic Narrative Document and Data Elements from the previous posting. These changes are indicated in this document and have been changed in the Analytic Narrative and Data Elements. These changes represent Version 3.0; 07/07, posted 09/17/2007.**

The following changes apply throughout the algorithm document.

1. Added visit code (C4) 99202 in entire document. This is a valid office or other outpatient office visit for a new patient for this study. The E/M codes for this setting were all included except this code.
2. Removed 99211 from all encounter codes. E/M code 99211 does not require a presence of a physician, physician assistant or nurse practitioner.
3. Removed codes 99354, 99355, 99385-99387, 99395-99397, 99401-99404. These are preventive service E/M codes and will not be included.
4. The following DX code was removed: 490. This code does not represent a diagnosis of COPD.
5. All coding system reference to C5 was changed to C4. C4 accurately reflects the HL-7 Standard for CPT.
6. Removed “(availability of additional codes TBD)” from entire document. Category II codes have now been developed.
7. Added CPT Category II (C4) codes throughout the document.
8. Revised all COPD measure statements as shown below.
9. Added verbiage to all Denominator statements: All patients aged 18 years and older with a diagnosis of COPD.
10. If the measure statement is referring to a *Percentage of patient visits*, the Denominator Inclusions will list the ENCOUNTER CODES with the DX CODES, but they will be split with the word *AND* placed between.

**COPD-1 Percentage of patients aged 18 years and older with a diagnosis of COPD who had a spirometry evaluation documented**

1. Added a Numerator Inclusion-Option #2 DIAGNOSTIC RESULT CODE and a CPT Category II code 3023F.
2. Added CPT Category II codes 3023F 1P (MEDICAL REASON CODE) , 3023F 2P (PATIENT REASON CODE) and 3023F 3P (SYSTEM REASON CODE) as Denominator Exclusions.
3. Added SNOMED codes of 314980001, 31481002, and 385350001 to a DIAGNOSTIC RESULTS CODE box. These codes represent spirometry results.

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## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-2 Percentage of patients aged 18 years and older with a diagnosis of COPD who were assessed for COPD symptoms at least once during the 12 month reporting period**

1. Changed numerator statement from “Patients who were assessed for COPD symptoms during at least one office visit” to “All patients with COPD symptoms assessed at least once during the 12-month reporting period.”
2. Added to the Numerator Inclusions under the description COPD SX ASSESSED CODE a SNOMED code of 20661009 and added CPT Category II codes 1015F, 1018F, and 1019F.

#### **COPD-3 Percentage of patients aged 18 years and older with a diagnosis of COPD who were queried about smoking at least once during the 12-month reporting period**

1. Added a CPT Category II code 1000F to the Numerator Inclusion description box TOBACCO ASSESS CODE, and added Category II codes 1034F, 1035F, and 1036F to a SMOKING STATUS CODE box.
2. Added SNOMED codes as Numerator Inclusions titled SMOKING QUERY CODE. These codes are 82302008, 59978006, 65568007, 23063004, 230062009, 230060001, 230059006, 281018007, 230064005, 160606002, 160605003, 160604004, 160603005, 266925009, 266924008, 266923002, 26693002, 266922007, 26921000 and are related to

#### **COPD-4 Percentage of patients aged 18 years and older with the diagnosis of COPD identified as smokers who received a smoking cessation intervention at least once during the 12-month reporting period**

1. Measure statement changed to read as “Percentage of patients aged 18 years and older with the diagnosis of COPD identified as smokers who received a smoking cessation at least once during the 12-month reporting period”.
2. Changed numerator statement to “All patients identified as smokers who received a smoking cessation intervention at least once during the 12-month reporting period”.
3. Added to the Denominator Inclusions an ICD-9 code 305.1 to the description box SMOKING CODE. Also deleted these (I9) codes 305.10, 305.11, 305.12 and 305.13 because these codes have been retired. Also added CPT Category II SMOKING STATUS CODE 1034F.
4. Added two SNOMED codes to the CESSATION CODE box 225323000 and 225324006. Also added CPT Category II as CESSATION CODES, 4000F and 4001F.

#### **COPD-5 Percentage of symptomatic patients aged 18 years and older with a diagnosis of COPD who were prescribed an inhaled bronchodilator**

1. Added SX CODEs (I9): 786.06 (tachypnea), 799.01 (asphyxia), and 799.02 (hypoxemia) and deleted SX CODEs (I9) 799.0 and 493.2 to the Denominator Inclusions.
2. Added SNOMED code 127784009 as a BRONCHODILATOR RX CODE and CPT Category II code 4025F to the Numerator Inclusions.
3. Added ICD-9 codes 995.2, 995.3, E945.7 and E941.1 as ADVERSE EFFECT 1 and ADVERSE EFFECT 2 codes respectively in the Denominator Exclusions. Also added SNOMED codes 292618009 and 294161009 as ALLERGY CODEs.
4. Added CPT Category II codes 4025F 1P (MEDICAL REASON CODE) , 4025F 2P (PATIENT REASON CODE) and 4025F 3P (SYSTEM REASON CODE) as Denominator Exclusion codes.

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## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-6 Percentage of patients aged 18 years and older with a diagnosis of COPD and oxygen saturation assessed at least once during the 12-month reporting period**

1. Changed numerator statement to “All patients who have oxygen saturation assessed and documented at least once during the 12-month reporting period”.
2. Added CPT Category II code 3040F as a SPIROMETRY RESULTS CODE as a Denominator Inclusion code.
3. Changed O<sub>2</sub> SAT codes, LOINC 115556-8 to 11556-8, and 2703-5 to 2703-7. Also added LOINC codes of 2713-6, 2710-2 and CPT Category II code 3028F as a O<sub>2</sub> SAT code.
4. Added Category II codes 3028F 1P (MEDICAL REASON CODE), 3028F 2P (PATIENT REASON CODE), and 3028F3 P (SYSTEM REASON CODE) to the Denominator Exclusions.

#### **COPD-7 Percentage of patients aged 18 years and older with a diagnosis of COPD who received long term oxygen therapy**

1. Changed numerator statement to “All patients who received long term oxygen therapy”.
2. Added CPT Category II code 3035F, LOINC codes 19211-2, 34163-6, 19218-7, 20564-1, 2711-0, 2713-6, 2714-4 and SNOMED codes 82803 and 82805 to the Denominator Inclusion description box of O<sub>2</sub> SAT CODEs.
3. Added CPT Category II code 4030F and deleted O<sub>2</sub> THERAPY HCPCS code E0454. Listed out each individual O<sub>2</sub> THERAPY CODE. Codes are E0424, E0425, E0430, E0431, E0434, E0435, E0439, E0440, E0441, E0442, E0443, E0444, and E0450 and E0455.
4. Added CPT Category II codes 4030F 1P (MEDICAL REASON CODE), 4030F 2P (PATIENT REASON CODE) and 4030F 3P (SYSTEM REASON CODE) as Denominator Exclusions.

#### **COPD-8 Percentage of patients aged 18 years and older with a diagnosis of COPD who were recommended to receive an influenza immunization during the current flu season**

1. Changed numerator statement to “All patients who were recommended to receive an influenza immunization during the current flu season”.
2. Added CPT Category II codes 4035F, 4037F and SNOMED codes 86198006, 275983007 as INFLUENZA REC CODEs to the Numerator Inclusions.
3. Deleted code CPT INFLUENZA CODE 90659 from the Denominator Exclusions. This code was deleted as of 1/1/2004.
4. Deleted code 693.1 from the EXCLUSION CODES.
5. Added ICD-9 codes 999.4, 999.5, 995.21, and 995.27. Deleted 995.0, 995.1 and 995.2 from the ADVERSE EFFECT 1 CODE box in the Denominator Exclusions.
6. Added CPT Category II codes 4035F 1P (MEDICAL REASON CODE) and 4035F 3P (SYSTEM REASON CODE). Also added a SNOMED CODE 390796006 to the EXCLUSION CODEs as Denominator Exclusions.

## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-9 Percentage of patients aged 18 years and older with a diagnosis of COPD who received influenza immunization during the current flu season**

1. Changed numerator statement to “All patients who are administered an influenza immunization during the visit or who have already received an influenza immunization during the current flu season”.
2. Deleted CPT code 90659 from the INFLUENZA CODE box as a Numerator Inclusion. This code was deleted as of 1/1/2004. Added SNOMED code 86198006 as an INFLUENZA CODE
3. Added code ICD-9 codes 995.21, 995.27, 999.4, and 999.5 to the ADVERSE EFFECT 1 CODEs. Also added SNOMED code 390796006 to the ALLERGY CODE box for Denominator Exclusions.
4. Deleted code 995.0 and 995.1 from the ADVERSE EFFECT 1 CODEs also as Denominator Exclusions.
5. Added CPT Category II codes 4037F 1P (MEDICAL REASON CODE), 4037F 2P (PATIENT REASON CODE) and 4037F 3P (SYSTEM REASON CODE). Also added a SNOMED CODE 315640000 as an INFLUENZA DECLINED CODE. These were added as Denominator Exclusions.
6. Deleted code 693.1 from the EXCLUSION CODES

#### **COPD-10 Percentage of patients aged 18 years and older with a diagnosis of COPD who were assessed for pneumococcus immunization status**

1. Added “All” to the numerator statement.
2. Added CPT Category II code 1022F and a SNOMED code 310577003 as PNEUMO ASSESSED CODES and as Numerator Inclusions.
3. Added CPT Category II codes 1022F 1P (MEDICAL REASON CODE), 1022F 2P (PATIENT REASON CODE) and 1022F 3P (SYSTEM REASON CODE) as Denominator Exclusions.

#### **COPD-11 Percentage of patients aged 18 years and older with a diagnosis of COPD who received a pneumococcus immunization**

1. Changed numerator statement “All patients who are administered a pneumococcus immunization during a visit or who have already received a pneumococcus immunization”.
2. Added CPT code 90732 and CPT Category II code 4040F as PNEUMO CODEs to the Numerator Inclusions.
3. Added ICD-9 codes 995.21 and 995.27 to the ADVERSE EFFECT 1 box and deleted code 995.2 as Denominator Exclusions.
4. Added CPT Category II codes 4040F 1P (MEDICAL REASON CODE), 4040F 2P (PATIENT REASON CODE) and 4040F 3P (SYSTEM REASON CODE) as Denominator Exclusions.

## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-12 Percentage of patients aged 18 years or older with a diagnosis of COPD for whom exercise training was recommended**

1. New measure added to the COPD Topic.
2. Added ICD 9 codes 786.09, 493.20-493.22 and 786.01 as DYS/PNEA DX CODEs. Also added a CPT Category II code 1019F as a DYS/PNEA CODE. These are added as Denominator Inclusions.
3. Added SNOMED codes 183073003, 386291006 and a CPT Category II code as RECOMMEND EXERCISE CODEs. These are added as Numerator Inclusion codes.
4. Added CPT Category II codes 4033F 1P (MEDICAL REASON CODE) and 4040F 3P (SYSTEM REASON CODE) as Denominator Exclusions.

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# CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)

## Analytic Narrative and Data Elements

### **APPENDIX A**

Appendix A lists all of the data elements needed for computation of the quality measures. The shaded elements are collected for every measure. The non-shaded elements correspond with the data elements contained in the analytic narrative.

1. All data elements are to follow this sequence:
  - DIAGNOSIS CODING SYSTEM
  - DIAGNOSIS CODE
  - DIAGNOSIS DATE
2. Changed the description line for ENCOUNTER DATE to read Date of encounter instead of Date of diagnosis.
3. Revised CPT listed in the description section for encounter visit to read (CPT4) and also wherever CPT is documented (CPT4) has now replaced it.
4. Deleted SNOMED from the description line for DIAGNOSIS CODING SYSTEM ex. (ICD9).
5. Changed the designation for CPT II coding to read (CPT Category II) in the Description column.

### **COPD-1 Percentage of patients aged 18 years and older with a diagnosis of COPD who had a spirometry evaluation documente**

1. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.
2. Added DIAGNOSTIC RESULT CODING SYSTEM, DIAGNOSTIC RESULT CODE, DIAGNOSTIC RESULT DATE and DIAGNOSTIC RESULT.

### **COPD-2 Percentage of patients aged 18 years and older with a diagnosis of COPD who were assessed for COPD symptoms at least once during the 12-month reporting period**

1. No changes

### **COPD-3 Percentage of patients aged 18 years and older with a diagnosis of COPD who were queried about smoking at least once during the 12-month reporting period**

1. Added SMOKING STATUS CODING SYSTEM, SMOKING STATUS CODE, and SMOKING STATUS DATE.

### **COPD-4 Percentage of smokers aged 18 years and older with the diagnosis of COPD who received a smoking cessation intervention at least once during the 12-month reporting period**

1. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.

## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-5 Percentage of symptomatic patients aged 18 years and older with a diagnosis of COPD who were prescribed an inhaled bronchodilator**

1. Added BRONCHODILATOR RX CODING SYSTEM, BRONCHODILATOR RX CODE, BRONCHODILATOR RX DATE.
2. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.
3. Added LUNG FXN and SPIROMETRY RESULTS if values are documented.

#### **COPD-6 Percentage of patients aged 18 years and older with a diagnosis of COPD and oxygen saturation assessed at least once during the 12-month reporting period**

1. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.
2. Added LUNG FXN and SPIROMETRY RESULTS if values are documented.

#### **COPD-7 Percentage of patients aged 18 years and older with a diagnosis of COPD who received long term oxygen therapy**

1. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.
2. Added O2 SAT results if a value is documented.

#### **COPD-8 Percentage of patients aged 18 years and older with a diagnosis of COPD who were recommended to receive an influenza immunization during the current flu season**

1. Added data elements INFLUENZA REC CODING SYSTEM, INFLUENZA REC CODE, and INFLUENZA REC DATE.
2. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.

#### **COPD-9 Percentage of patients aged 18 years and older with a diagnosis of COPD who received influenza immunization during the current flu season**

1. Added data elements INFLUENZA DECLINED CODING SYSTEM, INFLUENZA DECLINED CODE, INFLUENZA DECLINED DATE.
2. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.

## **CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**

### **Analytic Narrative and Data Elements**

#### **COPD-10 Percentage of patients aged 18 years and older with a diagnosis of COPD who were assessed for pneumococcus immunization status**

1. Changed title of PNEUMOCOCCUS ASSESSED CODING SYSTEM to PNEUMO ASSESSED CODING SYSTEM.
2. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.

#### **COPD-11 Percentage of patients aged 18 years and older with a diagnosis of COPD who received a pneumococcus immunization**

1. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and PATIENT REASON CODING SYSTEM, PATIENT REASON CODE, PATIENT REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE

#### **COPD-12 Percentage of patients aged 18 years and older with a diagnosis of COPD for whom exercise training was recommended**

1. Added data elements RECOMMEND EXERCISE CODING SYSTEM, RECOMMEND EXERCISE CODE, and RECOMMEND EXERCISE DATE.
2. Added date elements MEDICAL REASON CODING SYSTEM, MEDICAL REASON CODE, MEDICAL REASON DATE and SYSTEM REASON CODING SYSTEM, SYSTEM REASON CODE, SYSTEM REASON DATE.

**The COPD Downloadable Resource table (Version 2.1; 12/06) was created to correlate with the algorithm document. Therefore, any changes that were made to the algorithm document were also made to the Downloadable Resources/Coding Specifications table.**

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