

**Online Supplement**  
**Corticosteroid Dosing and Glucose Levels in COPD Patients Are Not Associated with Increased Readmissions**

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Supplement A. COPD Exacerbations defined in two ways based on CMS guidelines:

One. The primary diagnosis from List 1:

List 1.

| <b>Primary Diagnosis</b>   | <b>ICD-9</b> | <b>ICD-10</b> |
|--|--------------|---------------|
| Acute bronchitis with chronic obstructive pulmonary disease (COPD) (HCC) | 491.22       |               |
| Acute exacerbation of chronic bronchitis (HCC)                           | 491.9        |               |
| Acute exacerbation of chronic obstructive pulmonary disease (HCC)        | 491.21       |               |
| Airflow obstructions, chronic  | 496          |               |
| Asthma with chronic obstructive pulmonary disease (COPD) (HCC)           | 493.20       |               |
| Asthma with COPD with status asthmaticus (HCC)                           | 493.21       |               |
| Chronic obstructive asthma with exacerbation (HCC)                       | 493.22       |               |
| Chronic obstructive pulmonary disease with (acute) exacerbation          |              | J44.1         |
| Chronic obstructive pulmonary disease, unspecified                       |              | J44.9         |
| Emphysema/COPD (HCC)   | 492.8        |               |
| Other chronic bronchitis   | 491.8        |               |
| Other emphysema  |              | J43.8         |
| Unspecified chronic bronchitis   |              | J42           |

Two. A primary diagnosis from List 2.a along with a secondary diagnosis from List 2.b.

List 2.a.

| <b>Primary Diagnosis</b>   | <b>ICD-9</b> | <b>ICD-10</b> |
|--|--------------|---------------|
| Acute and chronic respiratory failure  | 518.84       |               |
| Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia |              | J96.20        |
| Acute respiratory distress   | 518.82       |               |
| Acute respiratory distress syndrome  |              | J80           |

|   |        |        |
|---|--------|--------|
| Acute respiratory failure (HCC)   | 518.81 |        |
| Acute respiratory failure, unspecified whether with hypoxia or hypercapnia        |        | J96.00 |
| Respiratory arrest  |        | R09.2  |
| Respiratory arrest (HCC)  | 799.1  |        |
| Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia |        | J96.90 |

List 2.b.

| <b>Secondary Diagnosis</b>  | <b>ICD-9</b> | <b>ICD-10</b> |
|---|--------------|---------------|
| Acute exacerbation of chronic obstructive pulmonary disease (HCC) | 491.21       |               |
| Acute bronchitis with COPD (HCC)                                  | 491.22       |               |
| Asthma with COPD with status asthmaticus (HCC)                    | 493.21       |               |
| Asthma with COPD with exacerbation (HCC)                          | 493.22       |               |
| Chronic obstructive pulmonary disease with (acute) exacerbation   |              | J44.1         |
| Chronic obstructive pulmonary disease, unspecified                |              | J44.9         |