**eTable 2.** **Composite of Pulmonary complications**

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| --- | --- |
| Respiratory complications | 997.31….J95851997.32…..J9589997.39…..J95859, J9588, J9589 |
| Pulmonary infection, Pneumonia | 481………J13, J181482………J150483………J157, J160, J168484………B250485………J180486………J189 |
| Respiratory failure and distress | 518.3……….J82518.51………J95821, J9600518.52………J952, J953518.53………J95822, J9620518.81………J9600, J9690518.84………J9620 |
| Tracheitis and Bronchitis | 466……...J209464………J040 |
| Pulmonary collapse | 518.0…….J9811, J9819 |
| Pulmonary edema | 518.4…….J810 |
| Pneumothorax and air leak  | 512……….J930512.84……J9382 |
| Hypoxemia | 799.02……..R0902Defined by:- Saturation <90%- Use of Face mask with >6 L O2 Flow orNon-rebreather mask/Venti mask orCPAP/BIPAP use |
| Pleural effusion | 511.9……..J918 |
| Atelectasis | 518.0……..J9811, J9819 |
| ARDS | 518.5…….. J80518.82…… J80 |
| Acute COPD exacerbation Acute asthma exacerbation  | 491.21……J441493.92……J45901 |
| Other continuous invasive mechanical ventilation | Z99.1……Z99.12 |
| Re-intubation | Defined by: Re-intubation from notes |
| Transfusion-related acute lung injury  | 518.7……..J9584 |
| Pulmonary embolism Respiratory acidosis  | 415.1……..I2699276.2……..E872 |

This table shows the ICD9 and ICD 10 codes for each complication. The first number corresponds to ICD9 code and the second one corresponds to ICD 10 code. For example, 997.31 (ICD 9)….J95851 (ICD10).