Supplementary Online Content


eAppendix. Bronchiolitis Patient Cohort Criteria

This supplementary material has been provided by the authors to give readers additional information about their work.
eAppendix

Bronchiolitis Patient Cohort Criteria

Patients INCLUDED:

- Patients <2 years old at admission
- Primary diagnosis of the following ICD-9 diagnosis codes:
  - 079.6 Respiratory Syncytial Virus
  - 466.1 Acute bronchiolitis
  - 466.11 Acute bronchiolitis d/t RSV
  - 466.19 Acute bronchiolitis d/t other inf
  - 480.0 Adenoviral pneumonia
  - 480.1 RSV pneumonia
  - 480.2 Parainfluenza viral pneumonia
  - 480.8 Viral pneumonia NEC
  - 480.9 Viral pneumonia NOS
  - 487.0 Influenza with pneumonia
  - 487.1 Influenza w/ resp manifest NEC
  - 481.1 H1N1 influenza
  - 488.11 H1N1 influenza with pneumonia
  - 488.12 H1N1 influenza w/ resp manifest NEC
• Patient Type Detail = I00, B04, B11

• APR-DRG
  o 138 Bronchiolitis and RSV Pneumonia
  o 139 Other Pneumonia
  o 113 Infections of Upper Respiratory Tract

• APR-DRG Severity of Illness 1 or 2

Patients EXCLUDED:

• ICD-9 Diagnosis codes
  o 033.0 Bordetella pertussis
  o 033.1 Bordetella parapertussis
  o 033.8 Whooping cough NEC
  o 033.9 Whooping cough NOS
  o 277.00 Cystic fibrosis w/o ileus
  o 277.01 Cystic fibrosis w/ ileus
  o 464.30 Acute epiglottitis no obstr
  o 464.31 Acute epiglottitis w/ obstr
  o 484.3 Pneumonia in whoop cough
  o 493.00 Extrinsic asthma unsp
  o 493.01 Ext asthma w/ status asthmaticus
  o 493.02 Extrinsic asthma w/ exacerbation
  o 493.10 Intrinsic asthma unsp
  o 493.11 Int asthma w/ status asthmaticus
  o 493.12 Intrinsic asthma w/ exacerbation
  o 493.20 Chronic obst asthma unsp
- 493.21 Chr obstr asthma w/status asthmaticus
- 493.22 Chronic obst asthma exacerbation
- 493.81 Exercise-induced bronchospasm
- 493.82 Cough variant asthma
- 493.90 Asthma unspecified
- 493.91 Asthma w/ status asthmaticus
- 493.92 Asthma uns w/ exacerbation
- 519.0 Tracheostomy complic
- 519.00 Tracheostomy comp NOS
- 519.01 Tracheostomy infection
- 519.02 Mech comp tracheostomy
- 519.09 Oth comp tracheostomy
- 519.1 Trachea/bronchus dis NEC
- 519.11 Acute bronchospasm
- 519.19 Oth dis trachea & bronchus
- 748.3 Laryngotrach anomaly NEC
- 765 Short gestation/low birthweight
- 770.7 Chronic respiratory disease arising in perinatal period
- 934.0 Foreign body in trachea
- V44.0 Tracheostomy status
- V46.1/V46.1x ventilator/respirator dependence etc.
- V55.0 Atten to tracheostomy

- **ICD-9 Procedure codes**
  - 31.1 Temporary tracheostomy
  - 31.21 Mediastinal tracheostomy tube
- 31.29 Other perm tracheostomy
- 31.41 Tracheoscopy thru stoma
- 31.72 Closure of tracheostomy
- 31.74 Revision of tracheostomy
- 96.04 Insert endotracheal tube
- 96.55 Tracheostomy toilette
- 96.70 Cont mech vent unspec durat
- 96.71 Cont mech vent <96 consec hr
- 96.72 Cont mech vent ≥96 consec hr
- 97.23 Replace tracheostomy tube
- 97.37 Remove tracheostomy tube

- Charge codes
  - PICU/CICU
  - NICU
  - Life Support Initial (mechanical ventilation)
  - Life Support Subsequent
  - CPAP therapy daily
  - CPAP therapy limited