

The Effectiveness of Oral Dexamethasone for Acute Bronchiolitis: A Multicenter Randomized Controlled Trial
Data Dictionary for the Public Release Research Dataset
 Dataset Released October, 2011

VARIABLE NAME	VALUES	DEFINITION (VARIABLE LABEL)	DEFS/VALUES/COMMENTS
POPULATION DEFINITION VARIABLES			
ELIGIBLE	0/1	Eligible for Final RCT Analysis	0=Not Eligible (Removed per DSMB meeting after Season 1, due to baseline RDAI<6) 1=Eligible (all other patients not meeting Not Eligible Condition Above)
ADMIT_BEFORE_MEDS	0/1	Admitted before Medications Given	0=No (Medications Given [not necessarily as assigned]) 1=Yes (No Medications Given before admission; these subjects have no additional information excepting study ID and primary outcome)
PER_PROTOCOL	0/1	Eligible for Per Protocol Analysis as defined in NEJM	0=No (Received incorrect Medication OR Received insufficient dose of medication) 1=Yes (Received assigned medication of sufficient dose)
ASSIGNEDTX	DRUG,PLACEBO	Treatment As Assigned	
RECEIVEDTX	DRUG,PLACEBO,NONE	Treatment Actually Received	One patient receiving insufficient dose of DRUG is labeled as NONE for this variable.
SEASON	1,2,3	Season of Study Recruitment	1=January-March 2004; 2=Nov2004-Apr2005;3=Nov 2005-Apr 2006
BASELINE FACTORS			
AGEINDAYS	Positive Integer	Age of Child in Days at Time of Study Visit	
MALE	0/1	Gender	0=No (Male Patient), 1=Yes (Female Patient)
RACE	Text Field (see defs)	Race of subject (obtained from chart)	White, Black, Asian, Pacific Islander, American Indian/Alaskan Native, Other
FAMASTHMA	0/1	Family History of Asthma	0=No, 1=Yes
ECZEMA	0/1	History of Eczema in Patient	0=No, 1=Yes
SMOKER	0/1	Smokers at Home	0=No, 1=Yes
PETS	0/1	Pets at Home	0=No, 1=Yes
DAYSILL	Integer 1 or Greater	Number of days this illness present, including day of study visit	
RDAI0	Positive Integer	RDAI At Time of Baseline Evaluation	
HEARTRATE0	Positive Integer	Heart Rate (beats/minute) At Time of Baseline Evaluation	
RESPRATE0	Positive Integer	Respiratory Rate (per minute) At Time of Baseline Evaluation	
AIRSAT0	Positive Integer<=100	Percentage Room Air Saturation (O2sat) at Time of Baseline Evaluation	
TEMPDEGCO	Positive Number XY.Z	Temperature in Degrees Celsius at Time of Baseline Evaluation	Rounded to nearest 0.1 degrees
DRUG ADMINISTRATION FACTORS			
WEIGHTKG	Positive Number X.Y	Weight of subject in kg, to nearest 0.1 kg	
VIALDOSE	Range from 0 to 12	Dose of Study Drug (1 ml/kg)	Usually rounded to nearest integer value
VOMITED	0/1	Child vomited within 20 minutes of taking study medication	0=No, 1=Yes
OTHER TREATMENT FACTORS			
ALBUSED	0/1	Albuterol/Levalbuterol Aerosol Used	0=No, 1=Yes
ALBCONT	0/1	Continuous Use of Albuterol/Levalbuterol Aerosol	0=No, 1=Yes
ALBTREAT	Integer 0 or greater	Number of Albuterol/Levalbuterol Aerosol Treatments	
EPIUSED	0/1	Epinephrine Aerosol Used	0=No, 1=Yes
EPI_TREAT	Integer 0 or greater	Number of Epinephrine Treatments	
FIRSTAEROSOL	EPINEPHRINE/ALBUTEROL	First Aerosol Treatment Used (for patients with one or both used)	
O2SUPP	0/1	Supplemental Oxygen given any time during 4 hour observation	0=No, 1=Yes
VIRODONE	0/1	Virology Done	0=No, 1=Yes
XRAYDONE	0/1	Chest X-Ray Done	0=No, 1=Yes
ONE HOUR OBSERVATION FACTORS			
DRUGTOHOUR1	Positive Integer	Minutes from Drug Administration to Hour 1 Observations	
RDAI1	Positive Integer	RDAI At Time of 1 Hour Evaluation	
HEARTRATE1	Positive Integer	Heart Rate (beats/minute) At Time of 1 Hour Evaluation	
RESPRATE1	Positive Integer	Respiratory Rate (per minute) At Time of 1 Hour Evaluation	
AIRSAT1	Positive Integer<=100	Percentage Room Air Saturation (O2sat) at Time of 1 Hour Evaluation	

TEMPDEGC1	Positive Number XY.Z	Temperature in Degrees Celsius at Time of 1 Hour Evaluation	Rounded to nearest 0.1 degrees
FOUR HOUR OBSERVATION FACTORS			
DRUGTOHOUR4	Positive Integer	Minutes from Drug Administration to Hour 4 Observations	
RDAI4	Positive Integer	RDAI At Time of 4 Hour Evaluation	
HEARTRATE4	Positive Integer	Heart Rate (beats/minute) At Time of 4 Hour Evaluation	
RESPRATE4	Positive Integer	Respiratory Rate (per minute) At Time of 4 Hour Evaluation	
AIRSAT4	Positive Integer<=100	Percentage Room Air Saturation (O2sat) at Time of 4 Hour Evaluation	
TEMPDEGC4	Positive Number XY.Z	Temperature in Degrees Celsius at Time of 4 Hour Evaluation	Rounded to nearest 0.1 degrees
DISPOSITION/DISCHARGE FACTORS			
DISPOSITION	Text Field (see defs)	Disposition	Discharge, Admit Inpatient, Admit 23 hour observation unit, Admit ICU, Admit OR, Left Against Medical Advice, Died in ED, Other
COMPEDOBS	0/1	Completed ED Observation as Intended	0=No, 1=Yes
INCOMPREASON	Text Field (see defs)	If ED Observation Not Completed as Intended, Reason	Early Admission,Early Discharge,Patient Withdrew from Study, ET Intubation, ICU Admission, Left Without Completing Treatment, Left Against Medical Advice, Other
CHART FOLLOW-UP FACTORS (NOTE: THESE INCLUDE VIRAL TESTS AND CHEST XRAYS DONE AFTER FOUR-HOUR STUDY PERIOD)			
VIRAL RESULTS	Text Field (see defs)	Results of Viral Testing (or Indicator Viral Testing Not Done)	Not Done, Negative, Positive:RSV, Positive: Influenza,Positive:ParaInfluenza,Positive:Other Virus, Report Not Available
XRAYRESULTS	Text Field (see defs)	Results of Chest X-Ray (or Indicator Chest X-Ray Not Done)	Not Done, Normal, Consistent with Bronchiolitis, Lobar or Segmental Infiltrate Specifically Mentioning Possible Bacterial Pneumonia, Other, Report Not Available
PARENT/GUARDIAN FOLLOW-UP FACTORS			
FOLLOWUP	0/1	Parent contacted and follow-up successfully completed	0=No, 1=Yes
DAYSFU	Positive Integer	Days from Study Visit to Follow-up Contact	
LENGTHOFSTAY	Positive Integer	If child initially admitted to hospital, length of hospital stay in days	
STILLADMIT	0/1	If child initially admitted to hospital, still admitted at follow-up per parent	0=No, 1=Yes
LATERADMITTED	0/1	If child initially discharged, later admitted to a hospital per parent	0=No, 1=Yes
STERIODS	0/1	After leaving ED, was child given any other steroid medicine per parent	0=No, 1=Yes
HELPED	Text Field (see defs)	Parent response to "The study medicine was helpful to my child" on 4-point scale	Strongly Disagree, Somewhat Disagree, Somewhat Agree, Strongly Agree, Not Sure, Refuse.Unable to Answer
PRIMARY AND SECONDARY OUTCOME VARIABLES			
ANYADMIT	0/1	Hospital Admission after ED Visit (Primary Study Outcome)	0=No 1=Yes
RACS_4		Change in RDAI at 4 hours vs. 0 hours, plus standardized change in respiratory rate (Secondary Study Outcome)	
DELTA_RDAI_4		Change in RDAI at 4 hours vs. 0 Hours	
DELTA_RESP_4		Change in Respiratory Rate (breaths/min) at 4 hours vs. 0 hours	
DELTA_SAT_4		Change in Oxygen Saturation (%) at 4 hours vs. 0 hours	
DELTA_HR_4		Change in Heart Rate (beats/min) at 4 hours vs. 0 hours	
DELTA_TEMP_4		Change in Temperature (°C) at 4 hours vs. 0 hours	

Note: To obtain a copy of the Public Research Dataset go to the PECARN web site <http://www.pecarn.org>