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# The Effect of Prehospital Continuous Positive Airway Pressure on Intubations

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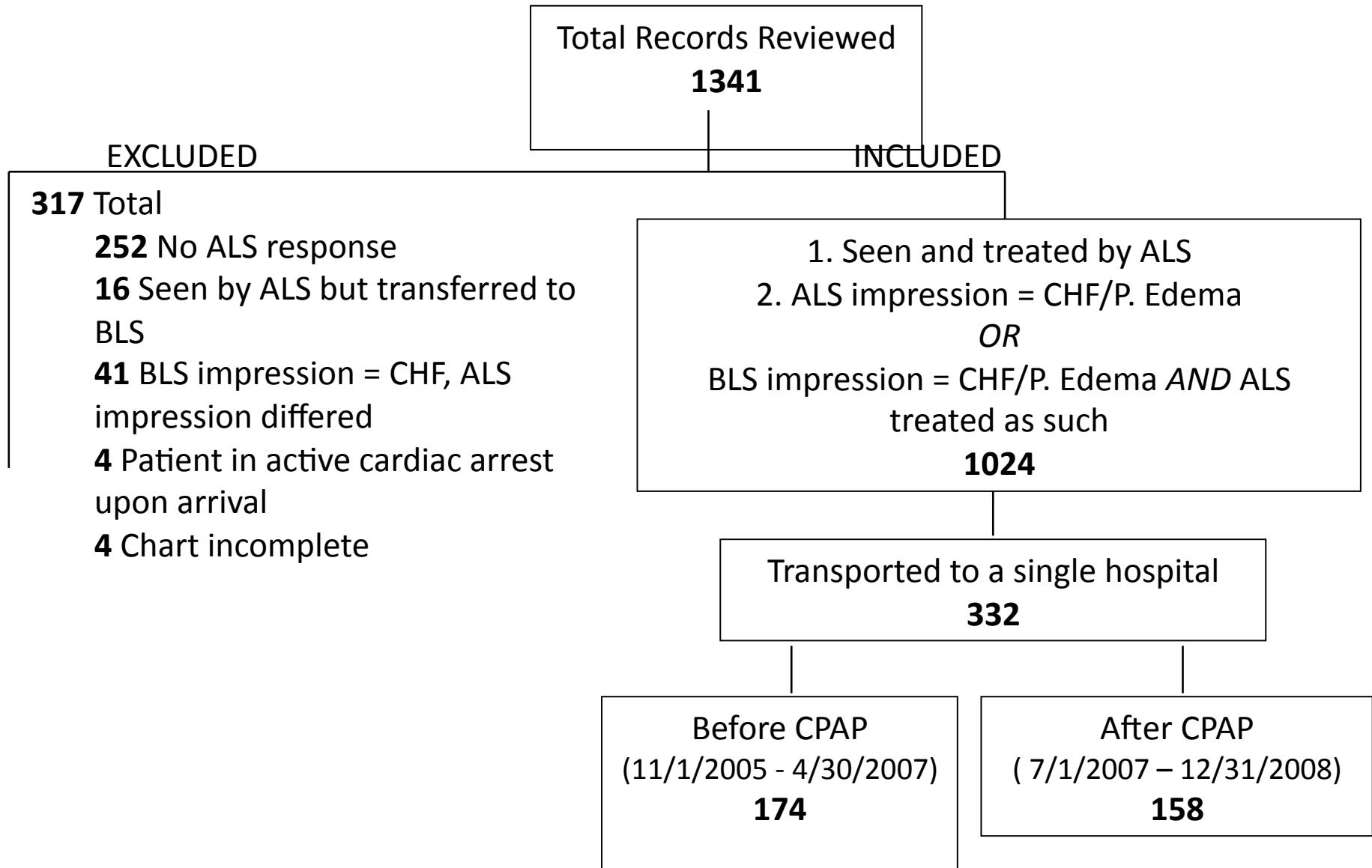
# Background

- Substantial use of CPAP for CHF in-hospital
- Growing use of CPAP in pre-hospital arena for CHF
- Kallio, et. al. 2003<sup>1</sup>
  - N = 121
  - Improvement in O<sub>2</sub>, RR, HR and SBP
- Hubble, et. al. 2006<sup>2</sup>
  - N = 215
  - Decreased mortality and intubations
- Thompson, et. al. 2008<sup>3</sup>
  - N = 71
  - Decreased mortality and intubations

1. Kallio, Kuisma, Alaspaa, Rosenberg. The Use of Prehospital Continuous Positive Airway Pressure Treatment in Presumed Acute Severe Pulmonary Edema. *Prehosp Emerg Care*. 2003;7:209-213.
2. Hubble, Richards, Jarvis, Millikan, Young. Effectiveness of Prehospital Continuous Positive Airway Pressure in the Management of Acute Pulmonary Edema. *Prehosp Emerg Care*. 2006;10:430-439.
3. Thompson, Petrie, Ackroyd-Stolarz, Burdua. Out-of-Hospital Continuous Positive Airway Pressure Ventilation Versus Usual Care in Acute Respiratory Failure: A Randomized Control Trial. *Ann Emerg Med*. 2008;52(3):232-241 2



# Overview of Charts Reviewed





# Results

