Children with severe pulmonary or neurologic disorders may require chronic mechanical ventilation. A database review was conducted for patients requiring chronic mechanical ventilation during their hospital and emergency department re-admission rates.

**RESULTS:**
- Re-admission within the first 30 days following discharge was also assessed using a logistic regression analysis among patients ventilated for pulmonary reasons.
- Children served in this program are either partially or completely dependent on life-sustaining equipment, and require rehabilitation services to address related problems such as nutritional status, oral-motor dysphagia, dysphonia, and essential care skills.
- The use of mechanical ventilation at home offers children with severe pulmonary or neurological disorders many potential benefits.
- The four week training program needs further evaluation before a definitive recommendation may be offered.
- Arguably, this training time should be initially implemented for caregivers of older children with neurological reasons for chronic ventilation.
- In fact, only length of training remained significantly associated with re-admissions within 30 days (Table 2).