

## OXYGEN ON DISCHARGE

### Supporting information

**This guideline has been prepared with reference to the following:**

Balfour-Lynn IM, Field DJ, Gringras P, et al. BTS Guidelines for home oxygen in children. Thorax 2009;64 Suppl 2/(ii1-26)

<https://www.brit-thoracic.org.uk/document-library/guidelines/home-oxygen-children/bts-guidelines-for-home-oxygen-in-children/>

#### **Home oxygen therapy may be of use in bronchiolitis?**

A prospective, randomised trial of 92 infants and children with acute bronchiolitis and hypoxia aged 2 to 24 months (Bajaj, 2006) assigned 53 (58%) to home therapy and 39 (42%) to inpatient admission. Of 53 patients, 37 (70%) randomly assigned to home oxygen completed the observation period and were discharged from the hospital. The remaining 16 patients were excluded from the study (6), resolved their oxygen requirement (5), or failed to meet the discharge criteria and were admitted (5). One discharged patient (2.7%) returned to the hospital and was admitted for a cyanotic spell at home after the 24-hour follow-up appointment. The patient had an uncomplicated hospital course with a length of stay of 45 hours. The remaining 36 patients (97%) were treated successfully as outpatients with home oxygen.

Bajaj L, Turner CG, Bothner J. A randomized trial of home oxygen therapy from the emergency department for acute bronchiolitis. Pediatrics 2006;117:633-40

**Evidence Level: II**

**Last amended May 2011**  
**Last reviewed December 2021**