

**ASSOCIATION BETWEEN VITAMIN A STATUS AND LUNG FUNCTION  
IN CHILDREN AGED 6-9 YEARS IN NORTHERN ETHIOPIA**

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# Randomized, double-blinded, placebo- controlled community based **vitamin A** intervention study.

Children aged 6-9 in 5 rural sites in Wukro wereda, Tigray administrative region, Northern Ethiopia from March 1997 to December 1997.

The impact of vitamin A supplementation on respiratory health was assessed by **change in FEV<sub>1</sub> at 4 months**.

The average change was 53.3 ml (n=496) and 53.8 ml (n=501) in the vitamin A and placebo groups respectively. After adjusting for baseline covariates, the difference between them was -3.6 ml (95%CI: -21.6, 14.4). In sub-analysis of the data, gender and vitamin A status subcategories were found to be effect modifiers

Randomized, **triple**-blinded, placebo- controlled study.