How Do Socioeconomic Factors Influence CPAP Adherence?

### STUDY DESIGN

**Longitudinal nationwide, population-based cohort study** of patients in Sweden with OSA on CPAP between 2010-2018

CPAP adherence defined as > 4 hours use/night (median usage 355 minutes; 25-75% IQR 240-420 minutes)

<table>
<thead>
<tr>
<th>ADHERENT</th>
<th>NON-ADHERENT</th>
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<tbody>
<tr>
<td>15,511</td>
<td>5,010</td>
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### RESULTS

**ASSOCIATIONS WITH CPAP ADHERENCE**

- Married vs Unmarried
  +20.5 minutes/night

- Education > 13 Years
  +13.2 minutes/night

- Household Total Income
  highest/third/second vs lowest quartile:
  +15.9 and +10.4 and +6.1 minutes/night, respectively

- Born in Sweden
  1 native parent/2 native parents vs being born abroad
  +29.0 and +29.3 minutes/night, respectively

Socioeconomic factors impact CPAP adherence in Sweden and should be considered when treating OSA with CPAP.

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