**ESTER study**

Northern Finland Birth Cohort (NFBC) 1986  
\(n = 9432\) liveborn infants

- Recruited through NFBC  
  - early preterm \(n = 102\)  
  - late preterm \(n = 306\)  
  - controls \(n = 579\)

- Did not participate  
  - \(n = 608\)

- Participated in ESTER study  
  - \(n = 779\)

- Participants invited as preterm, but found out to be full term  
  - \(n = 26\)

- Length of gestation confirmed from medical records  
  - early preterm \(n = 149\)  
  - late preterm \(n = 248\)  
  - controls \(n = 356\)

- Completed the MEQ  
  - early preterm \(n = 138\)  
  - late preterm \(n = 221\)  
  - controls \(n = 329\)

- Actigraphy exclusion process  
  - <3 accepted nights, \(n = 18\)  
  - Night shift workers, \(n = 9\)  
  - Sickness during registration, \(n = 14\)

- Included in the analyses, \(n = 594\)  
  - early preterm \(n = 83\)  
  - late preterm \(n = 165\)  
  - controls \(n = 346\)

**AYLS study**

Finnish Medical Birth Register (FMBR) Northern Finland 1987-1989  
\(n = 26548\)

- Recruited through FMBR  
  - early preterm \(n = 217\)  
  - late preterm \(n = 335\)  
  - controls \(n = 441\)

- Did not participate  
  - \(n = 593\)

- Participated in AYLS study  
  - \(n = 1136\)

- Preterm participants and non-hospitalized, term-born controls.  
  - Length of gestation confirmed from medical records  
    - early preterm \(n = 46\)  
    - late preterm \(n = 129\)  
    - controls \(n = 314\)

- Participated in the actigraphy study  
  - early preterm \(n = 31\)  
  - late preterm \(n = 84\)  
  - controls \(n = 225\)

- Actigraphy exclusion process  
  - <3 accepted nights, \(n = 18\)  
  - Night shift workers, \(n = 14\)  
  - Sickness during registration, \(n = 5\)

- Not traced  
  - \(n = 280\)

- Were invited to participate in a clinical and/or psychological examination  
  - \(n = 1913\)

- Did not participate  
  - \(n = 777\)

- Died in the neonatal wards within 10 days from birth  
  - \(n = 1535\)

- Healthy, non-hospitalized controls born after every second admitted infant  
  - \(n = 658\)