

Further research on the environment and children's health and cognition

Priorities in Environment and Health:FP7

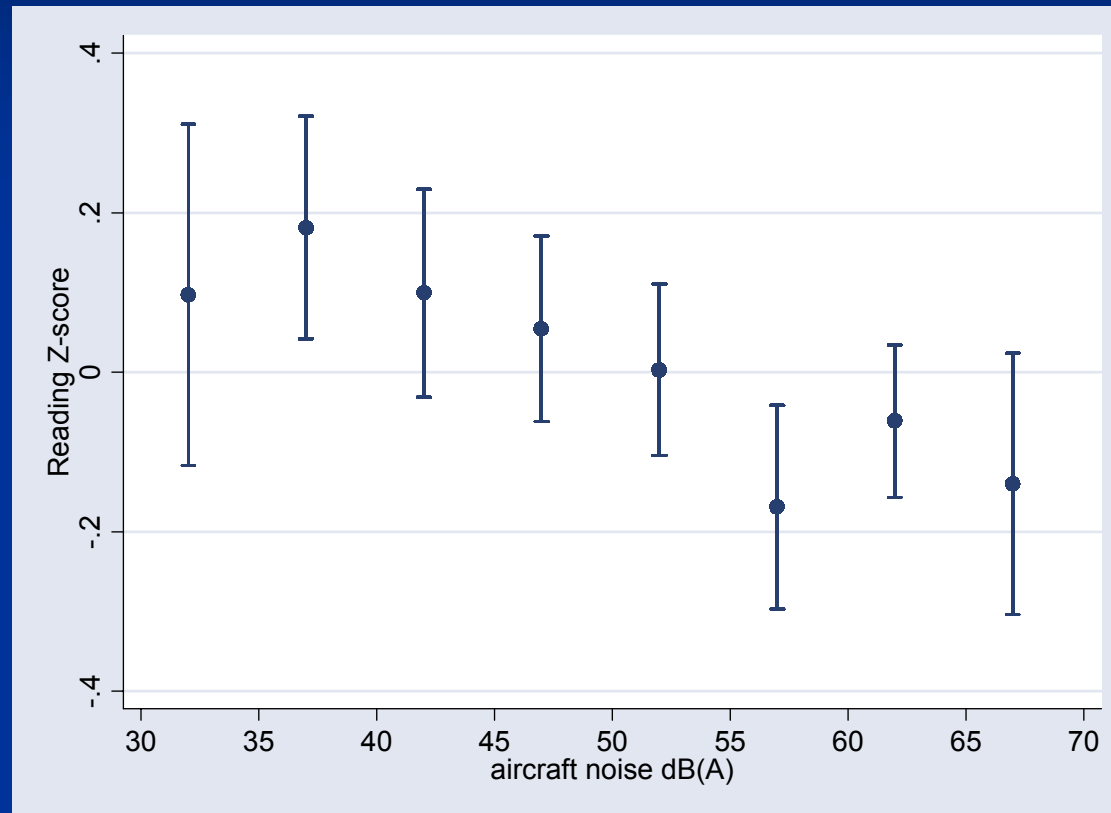
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Conference, Brussels
22nd May 2006

RANCH STUDY: Exposure effect relationship between aircraft noise at school and reading comprehension for the pooled data from Netherlands, Spain and UK



Sound insulation of schools

- Does classroom sound insulation protect children's learning?
- **RESEARCH PROPOSAL:** Cluster randomised controlled trial of sound insulation on children's learning and health

Are noise effects long-term effects?

- Are noise effects on reading short-term allowing children to catch up?
- Could noise effects on reading lead to long-term effects on education and employment?
- Are there cumulative effects of noise exposure?
- **RESEARCH PROPOSAL:** Longitudinal studies of noise and children's cognition (e.g. follow up of RANCH Study)

Multiple stressors, multiple outcomes

- Socially disadvantaged children are exposed to multiple stressors
- These might include noise, air pollution, fear of crime, poor housing etc
- These may affect both physical and mental health
- **RESEARCH PROPOSAL:** Longitudinal studies of multiple exposures on physical and mental health outcomes across Europe