

Indoor air quality inequality in rural housing for the elderly in Northeast China

Summary

The project explored the exposure risk to indoor air pollution and thermal discomfort of the **older women** in Northeast China, who spend most time at home and also cook for the family, therefore are at the highest risk.



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Key findings/learning/outcomes

- Extremely high indoor air pollution during cooking (up to 1000 $\mu\text{g}/\text{m}^3$)
- 67% of elderly people have cardiovascular health problem.
- 90% of homes are underheated.
- Strong linkage between indoor environmental quality and physiological health



Where?



Northeast China
Rural housing

Project partners/funders

Department of Architecture,
Harbin Institute of Technology,
China
GCRF fund