



CRPA-CARST Symposium on Radon and Radiation Protection

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Authors

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Organization

Evict Radon National Study

Title

Understanding health risks from radon gas inhalation that are experienced by Canadians whose jobs occur in other people's houses

Abstract

People whose jobs take place in residential buildings experience greater radon exposures relative to those whose jobs occur mostly in non-residential buildings. While we have gained a strong understanding of radon risks experienced by people working from their own home, we do not yet understand this sufficiently for people whose work takes place fully or partly within other people's homes, including real estate professionals, a home-inspector, radon mitigation professionals and other HVAC workers who help consumers carry out vital home maintenance, housekeepers, and those in home-based care jobs such as nannies looking after small children or care workers for the elderly or disabled. Importantly, these are people who have little to no real control over the radon in the environments they work in over a large portion of their careers. From 2026-2028, Evict Radon National Study teams are assessing these occupational risks to gain insight into radiation dosimetry from radon, information needed to understand health risks of this essential workforce in a way that will become useful in an era of lung cancer screening. Dr. Danforth will present the early outcomes of the research and outline new digital tools we have developed to capture data on the environmental time-activity patterns of people potentially exposed to higher radon through their work.