



CRPA-CARST Symposium on Radon and Radiation Protection

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Authors

Dr. Aaron Goodarzi

Organization

Evict Radon National Study

Title

Cross Canada Radon Survey

Abstract

Radon inhalation within the residential built environment is likely the single greatest source of lifetime ionizing radiation exposure dose for the majority of people living in Canada. The “Cross-Canada Survey of Radon Exposure in the Residential Buildings of Urban and Rural Communities” defines contemporary radon exposure in Canada across different regions, communities and building types. The initial 2024-2025 survey was released in late 2024 at www.crosscanadaradon.ca, and will be updated biennially for the foreseeable future thanks to new funding from CIHR and the Canadian Cancer Society. In his talk, Dr. Goodarzi will outline the planned updates to the 2026-2027 version of the national survey of radon, outlining revised outcomes based on additional radon test data, new analyses of additional major cities in Canada, more detailed radon profiles for provinces, feature case studies on radon in social housing and more. He will describe the latest data on measuring the successes of Canadian efforts to promote radon awareness, testing, and mitigation through media engagement, and discuss the final outcomes of estimating the population-attributable risk of lung cancer from radon inhalation for provinces and territories. Finally, he will outline the planned activities of a new CIHR-funded five-year national project that merges radon and combustion particulate exposure science for radiation protection and lung cancer prevention.