BC Radon Data Repository (BCRDR)

- An initiative to support public health research and planning

Jeffrey Trieu
Environmental Health Services
BC Centre for Disease Control
Where can we currently find BC indoor radon data?
Where can we find BC indoor radon data in the future?

Industry, research groups, government agencies, etc.

BC Radon Data Repository (BCRDR)

Secure Living
Accessible Flexible use
Has BC indoor radon data been compiled before?

(Henderson, Rauch, Hystad & Kosatsky, 2014; Rauch & Henderson, 2013)  
*After cleaning

<table>
<thead>
<tr>
<th>Source</th>
<th>Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Canada</td>
<td>1,817</td>
</tr>
<tr>
<td>BCCDC</td>
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<tr>
<td>NHA</td>
<td>339</td>
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<tr>
<td>BC Lung</td>
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</tr>
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<td><strong>Total sample size</strong></td>
<td><strong>3,867</strong></td>
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(Rauch & Henderson, 2013)
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How are we compiling data into the BCRDR?

• Confirmed and potential contributors at this point in time:
How are we compiling data into the BCRDR?

• Data sharing talks are underway with a variety of parties

• Starts with an data sharing agreement
  • Contributor gives custody of data to BCCDC, but continues to own their data
  • No attempts to re-identify individuals/households
  • No attempts to link with other datasets on person-level

No person level data!
What kind of data will the BCRDR hold?

Home and testing metrics

Sampling information
How will BCRDR data be made anonymous?

Example: BCCDC, 655 W 12th Ave, V5Z 4R4, Vancouver, BC
How will BCRDR data be made anonymous?

Example: V5Z 4R4 ➞ (1209859, 475850.6)

No person level data

anonymity
usefulness
How will BCRDR data be made anonymous?

Example: (1209859, 475850.6) → (1209904, 475813.6)

No person level data

anonymity

usefulness
How will BCRDR data be made anonymous?

Example: (1209904, 475813.6) + FSA + LHA + etc.
How can external users access BCRDR data?

- Through application stating:
  - Project objectives
  - Expected outcomes
  - Team members
  - Data handling

- Acceptable uses:
  - Radon-related research
  - Mapping to support health protection and policy initiatives

- Data released for specific request

- BCCDC to contribute/review data requesters’ outputs

http://www.bccdc.ca/about/accountability/data-access-requests
References


Thank you for your time!

Questions, comments, conversations?

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Acknowledgements:

Sarah Henderson
Ciaran Aiken
Anne-Marie Nicol
CAREX Canada

😊