

# CAREX Canada - Supporting the Prioritization of Primary Prevention Programs

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# What we know about occupational and environmental carcinogens?

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Based on the International Agency for Research on Cancer there are:

- ~ 60 definite or probable carcinogens
- Over 100 additional exposures are possible carcinogens
- Many other exposures with a suspicion of human carcinogenicity

# Basic Questions Remain

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- How many people are exposed to workplace and environmental carcinogens?
- How and where are they exposed?
  - What are the sources of exposure?
  - What types of workplaces?
  - Which communities?
- How high are their exposures?



## Chemical safety

### > Carex

- Countries
- Description of CAREX

### > REACH



## CAREX



### International Information System on Occupational Exposure to Carcinogens

- CAREX is a MS Access database which contains estimates of the numbers of workers occupationally exposed to carcinogens by industry in 15 previous countries of the European Union (exposure data from 1990-93) and in four of the ten countries that joined the EU in 2004 (exposure data from 1997).
- CAREX contains also information on industrial distribution of the employed, summarised exposure data, numbers of exposed by occupation, definitions of carcinogenic exposure, descriptions of the estimation procedures and bibliographic references.
- This CAREX website provides descriptive reports and data tables on carcinogen exposure. There may be slight differences between the reports and tables because some workforce figures or exposure estimates have been updated to tables after the publication of the reports. Most figures in tables are based on calculation procedures and should therefore be rounded to the precision of 1 or 2 integers only.

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## Further information

- Definition of agents and exposure (pdf)

## Contact us

- Timo Kauppinen



# CAREX Canada

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- Pilot studies begin in 2003
- Fully funded by CPAC in 2008 (renewed 2012)
- Differs from original CAREX
  - Environmental estimates
  - Much more detailed estimates
  - Level of exposure where possible

# CAREX Canada: General Approach

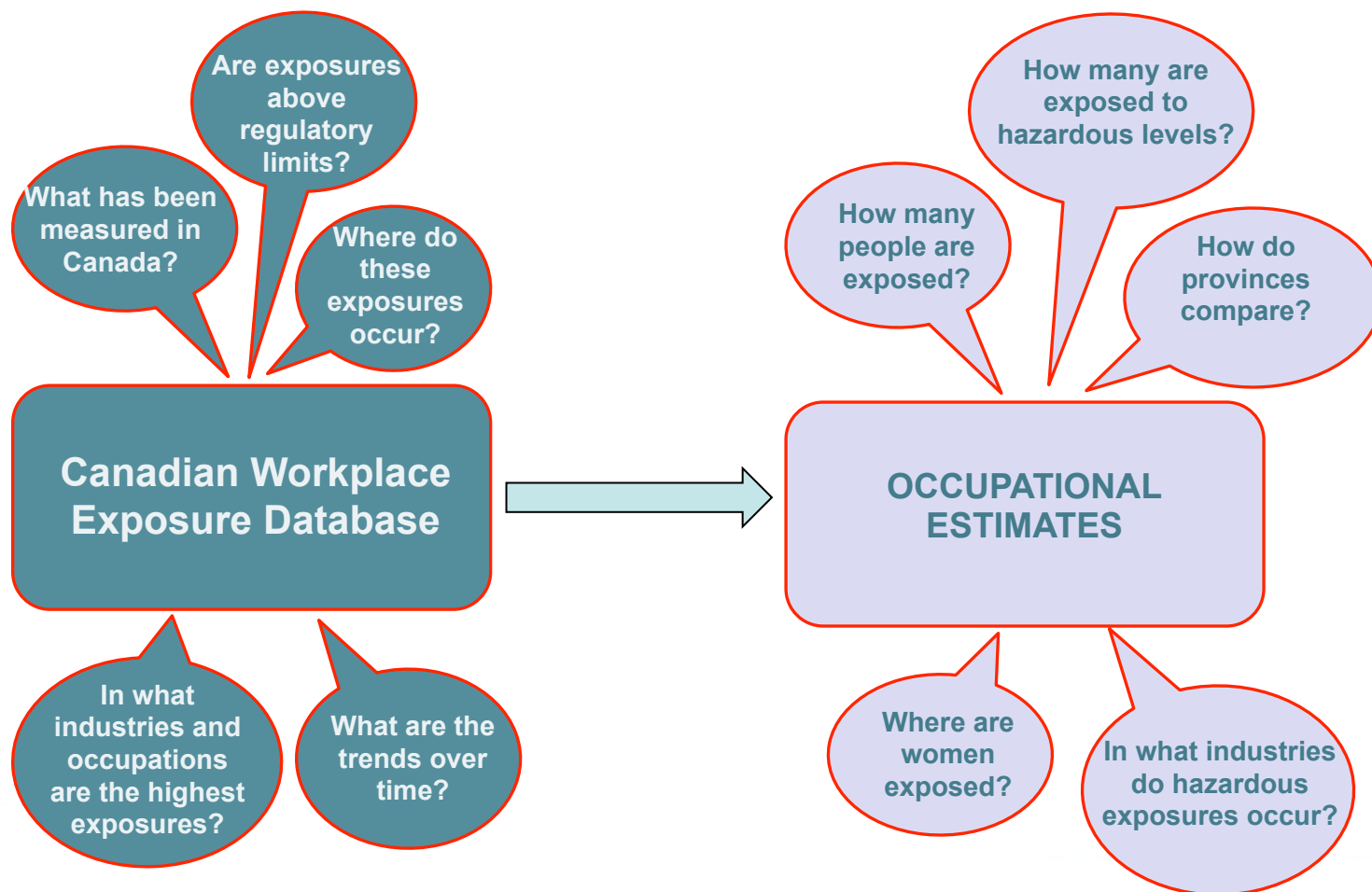
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Generate estimates of the number of people exposed and levels of exposure using:

- Existing Canadian exposure data
- Census population data
- The best exposure estimation procedures available.

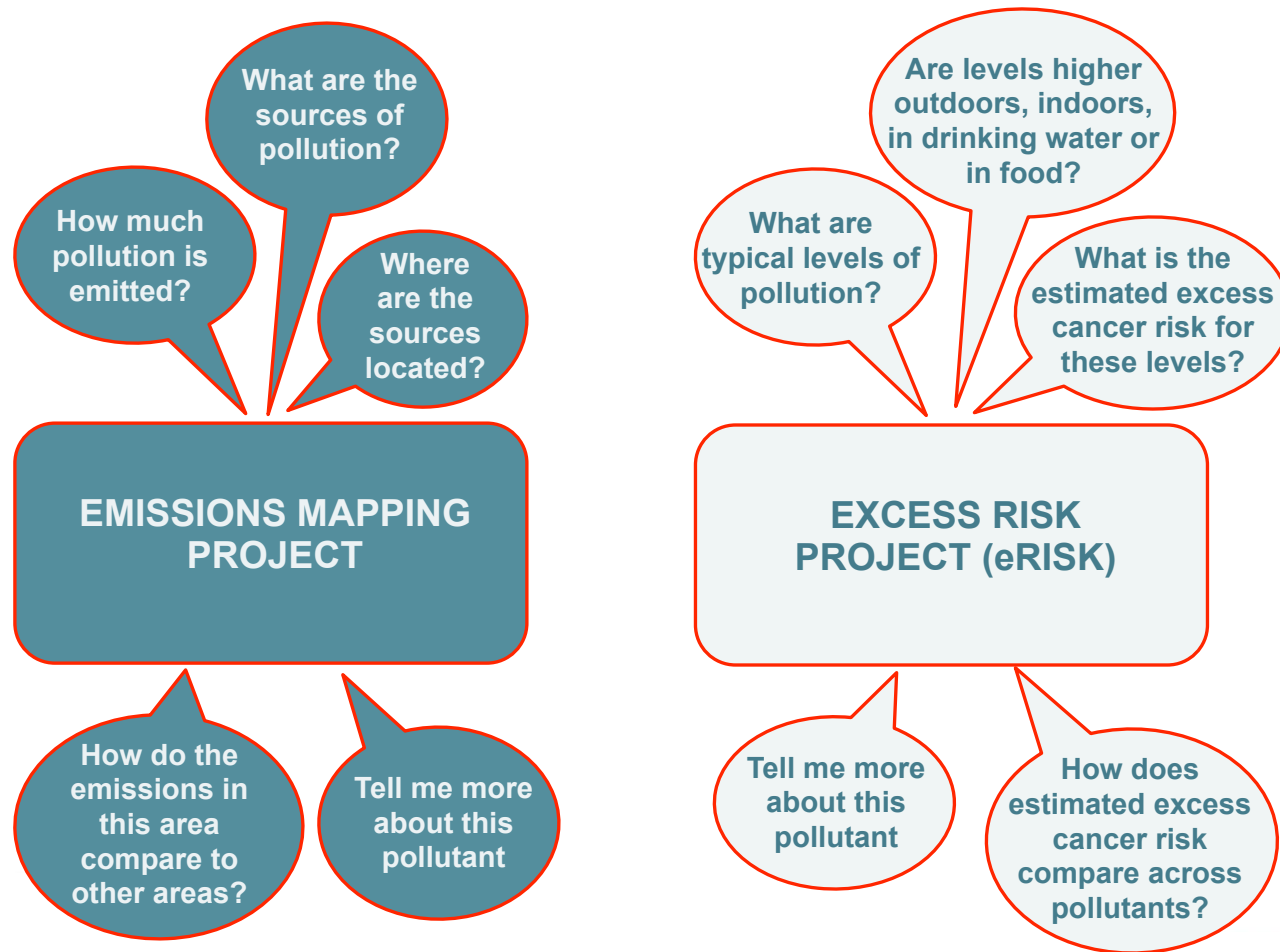
# CAREX Canada Occupational Projects

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# CAREX Canada Environmental Projects

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# Potential Uses of Hazard Surveillance: Primary Prevention

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- Target high risk groups
- Set priorities for prevention-related activities
- Monitor trends
- Assess the impact of regulations
- Predict future cases of disease
- Provide exposure data for epidemiology
- Educate the public and policy makers