

Subscribe to Our Newsletter

ABOUT DATA AND TOOLS RESEARCH PARTNERS RESOURCES EVENTS CONNECT ENGLISH FRANÇAIS

CIHR grant opportunity for using CANUE data

August 17th | 2018 9am – 10am pacific 12noon – 1pm eastern

FOR AUDIO PLEASE CALL 1-877-558-8690 (TOLL FREE, NO CODE REQUIRED)

ALL PHONES ARE CURRENTLY MUTED

www.canue.ca





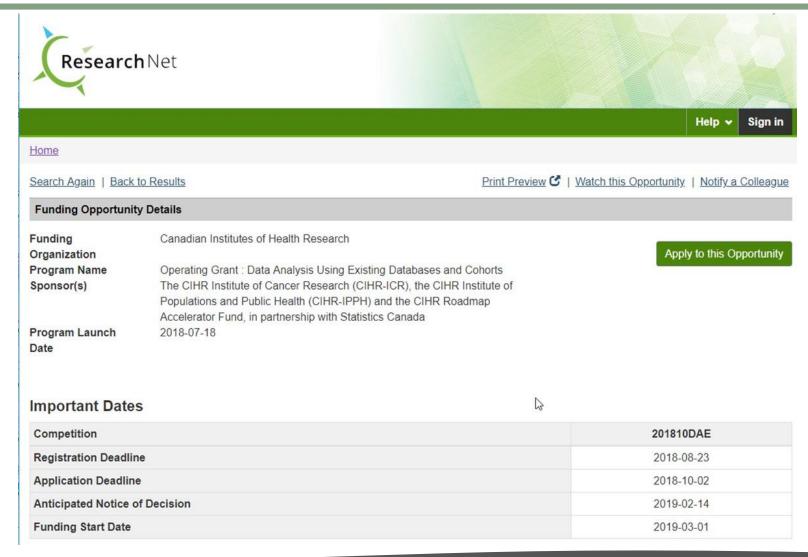














This funding opportunity will support research that use large, well-established cohorts/databases through three (3) funding streams:

- 1. Cancer Prevention and Control
- 2. Population and Public Health Healthy Cities
- 3. The Environments and Health Signature Initiative (EHSI)

EHSI will fund projects that are relevant to its <u>objectives</u> and make use of CANUE datasets and link to health data.

The total amount available for this funding opportunity is \$1,500,000 enough to fund approximately fifteen (15) grants. This amount may increase if additional funding partners participate. The maximum amount per grant is \$100,000 for 1 year. Of this \$1,500,000:

\$800,000 is available to fund eight (8) grants relevant to Cancer Prevention and Control. \$500,000 is available to fund five (5) grants relevant to Population and Public Health – Healthy Cities.

\$200,000 is available to fund two (2) grants relevant to The Environments and Health Signature Initiative (EHSI).

4



For all inquiries relating to the grant eligibility and scope, please contact:

CIHR Contact Centre

Telephone: 613-954-1968

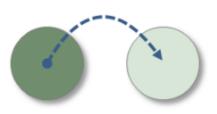
Toll Free: 1-888-603-4178

Email: support@cihr-irsc.gc.ca

Monday to Friday, 7:00 a.m. to 8:00 p.m. EDT.

We will be focusing on describing CANUE data and opportunities for analysing with health data





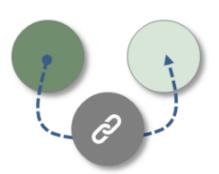
Get data directly from CANUE:

Fill in the <u>CANUE Data Use and Sharing Agre</u>will contact you shortly to arrange a data tra

CANUE Data holdings and access

Dany Doiron
Data Linkage Lead

Let us know if we don't have what you are looking for. We are happy to take your special requests.



Work with CANUE data pre-linked to ma

Get one-stop access to health data with CAN <u>Use and Sharing via Third Party Agreement</u> a application to the data holders listed below.

Canadian Longitudinal Study on Aging

Istvan Molnar-Szakacs Data Access Officer

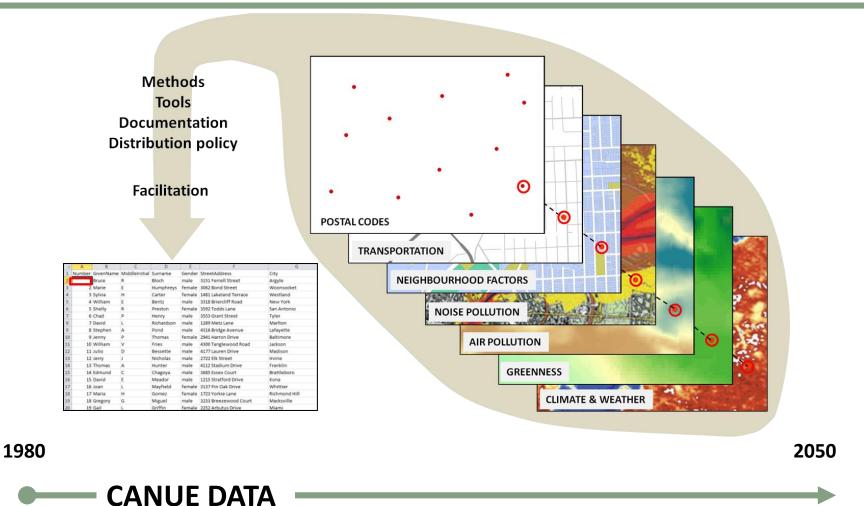
Check back regularly as we continue to add data to more cohorts and administrative data holdings.

Canadian Partnership for Tomorrow Project

Kelly McDonald

Program Manager – Ontario Health Study Transitional Operations Director - CPTP

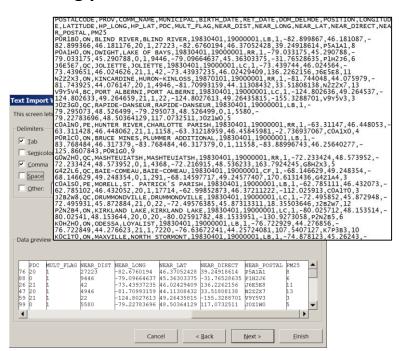






Data format

- Indexed to 6-digit postal code
- Comma-separated values (CSV)
- Data in tabular format
- Easy import and merge with health data using postal code



Data documentation (metadata)

- General dataset description, methodology
- Time and geography covered
- Variable names and definitions
- Required citations and other data use conditions

	Canadian Urban Environmental Health Research Consortium
	CANUE Metadata PM2.5 DAL
CANUE	2018-01-25
ATA SET INFORMATION	
Data Set Title:	Fine Particulate Matter (PM2.5) North American Estimates - Atmospheric Composition Analysis
	Group at Dalhousie University
Description:	Ground-level fine particulate matter (PM2.5) over North America was estimated by combining a 0.01 degree x 0.01 degree resolution optimal estimate-based Aerosol Optical Depth (AOD) retrieval from the NASA MODIS instrument with aerosol vertical profile and scattering properties simulated by the GEOS-Chem chemical transport model. A geographically weighted regression (GWR) that incorporates ground-based observations to adjust for any residual bias in the satellite-derived PMZ.5 estimates was then applied. Values prior to 2004 apply the temporal variation of Boys et al., to the GWR-adjusted period. Data are provided at 3-year running averages, labelled as the last year included (i.e., average of 1998, 1999 and 2000 is labelled as 2000)
Thomas Kanasada	These annual 0.01 x 0.01 degree gridded surface datasets were used by CANUE staff to impute values of annual mean concentration of PM2.5, for all postal codes in Canada for each year from 2000 to 2012 (DMTI Spatial, 2015). PM2.5, fine particulate matter, air quality, satellite monitoring, chemical transport model, gridded
	Canada national
Data preparation date:	
	PM25DAL_A_YY.csv, where YY is the last two digits of a specific year
	Comma separated values (.csv)
Beginning Date:	
End Date:	
Sampling Frequency of Data:	Annual
Number of Data Files:	
File Size	Individual files range from 8 MB to 9 MB in size, all files total 150 MB in size.
Data Sources:	North American Estimates with Ground-Monitor Based Adjustment (V4.NA.01) files were downloaded from http://fizz.phys.dal.ca/~atmos/martin/?page_id=140
Spatial Resolution:	0.01° × 0.01°(~ 1 km)

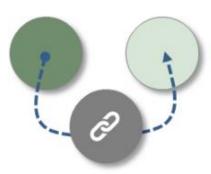


Data access and user agreement

Two options to receive CANUE data:



Directly from CANUE (to be linked with a health database)



via CPTP pre-linked data (national or regional cohorts)

via CLSA pre-linked data



Data Sharing and Use Agreement

March 5, 2018

1. Purpose of Agreement

This agreement documents the data sharing and use conditions related to the indicated dataset(s) (Addendum 1), the intended use of the dataset(s), the Principal Data User who takes delivery of the data and accepts responsibility for ensuring these conditions are fulfilled, and the project team members who will have access to the datasets. The signature of the Principal Data User is required to fully execute this agreement. Copies of this agreement must be provided to CANUE by email (info@canue.ca). CANUE will forward copies to all original data developers as per the exposure data source contact listed in the associated metadata files.

2. Disclaimer

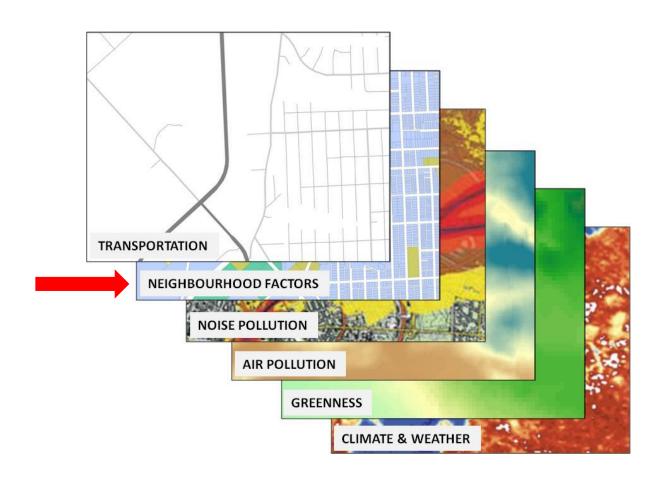
Data are provided "as-is". While substantial efforts are made to ensure the accuracy of data and associated documentation, complete accuracy cannot be guaranteed. CANUE makes no guarantee, either express or implied, including but not limited to, the fitness for any purpose. The Data User holds all parties involved in the production or distribution of the data harmless for damages resulting from its use or interpretation.

3. Intended Use(s)

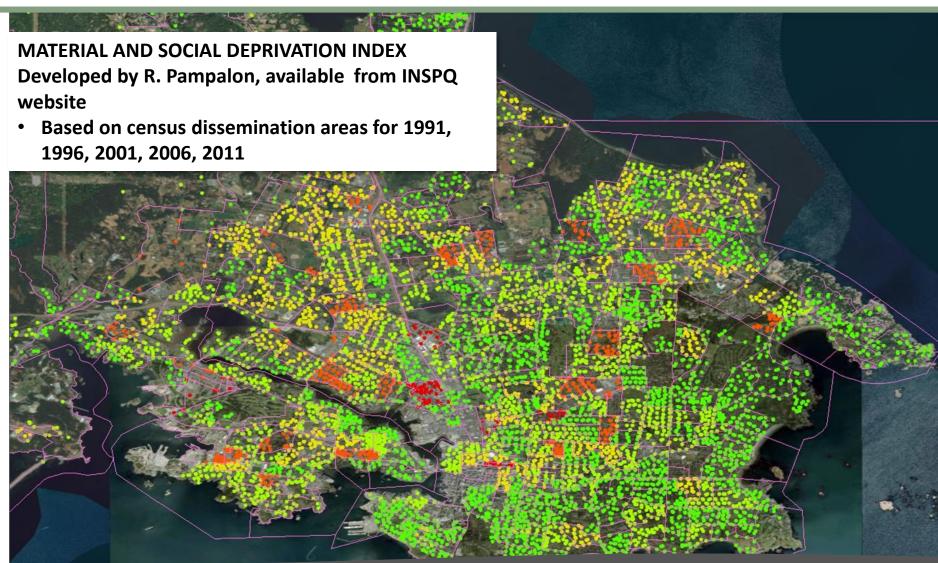
Use of CANUE datasets is restricted to academic, research, educational, or other not-for-profit purposes.

Project Name:		
Project Summary:		

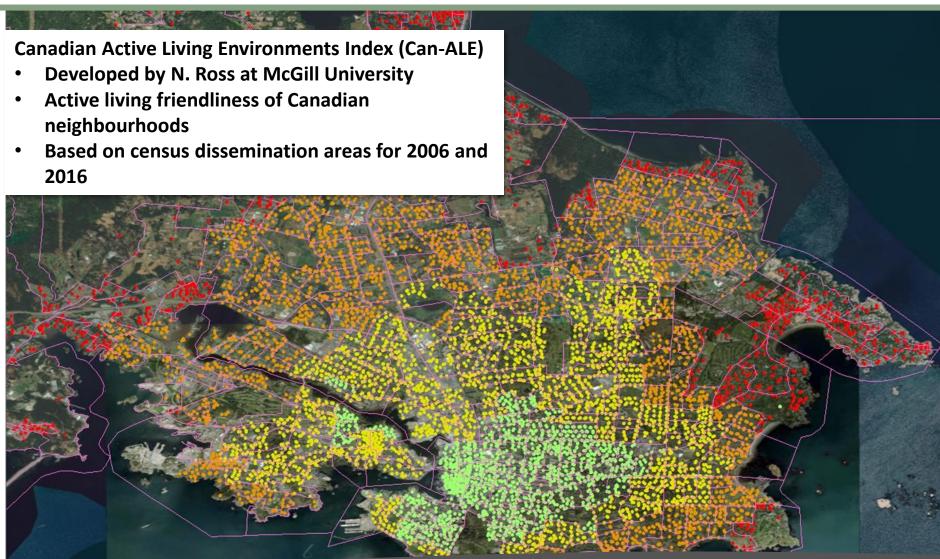




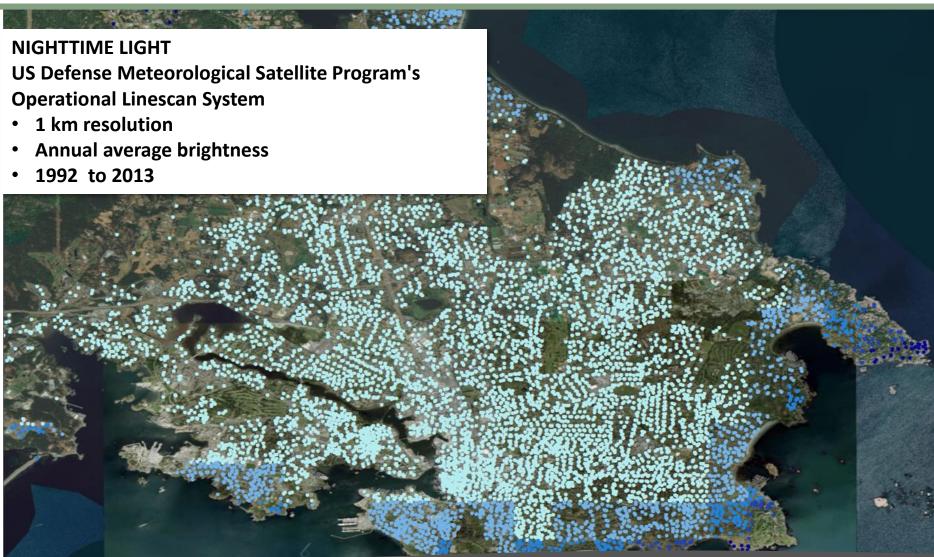




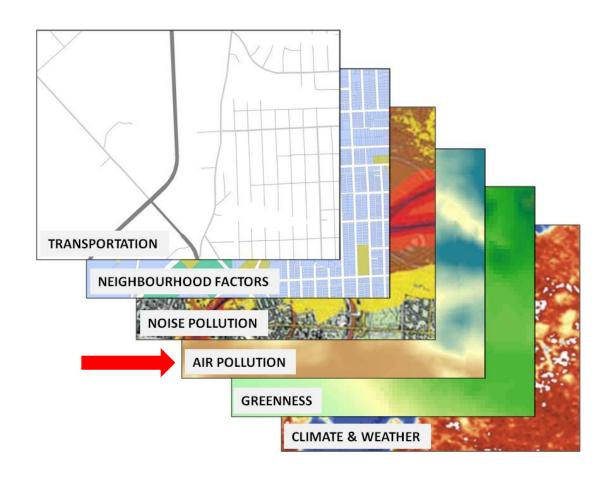




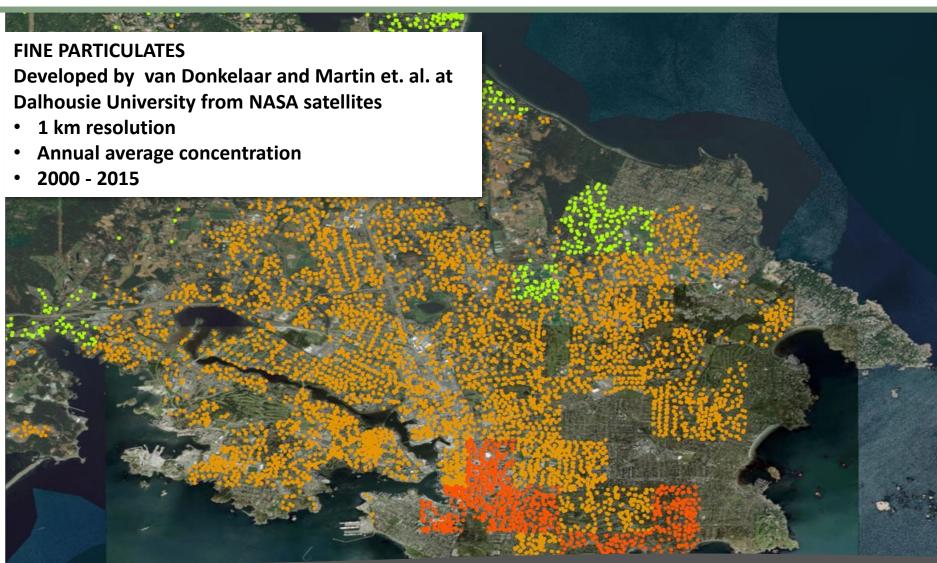




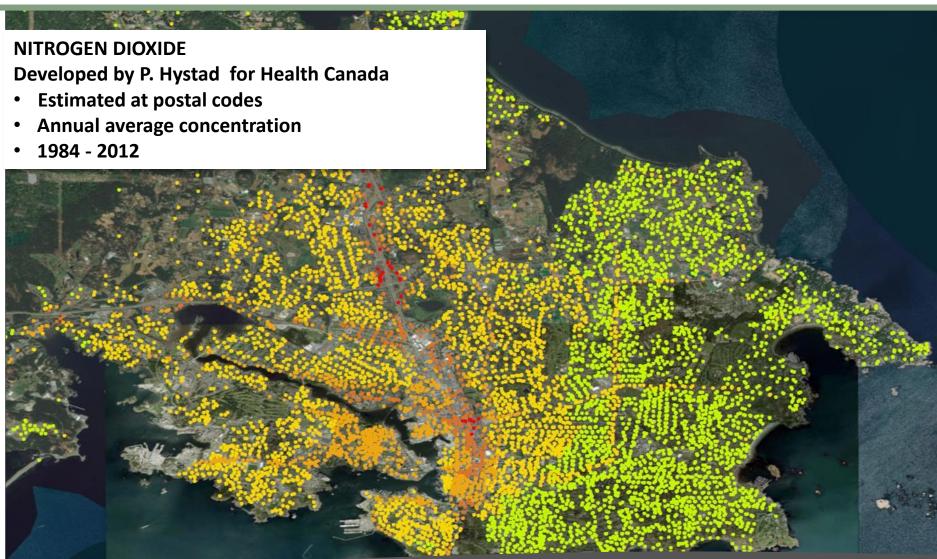




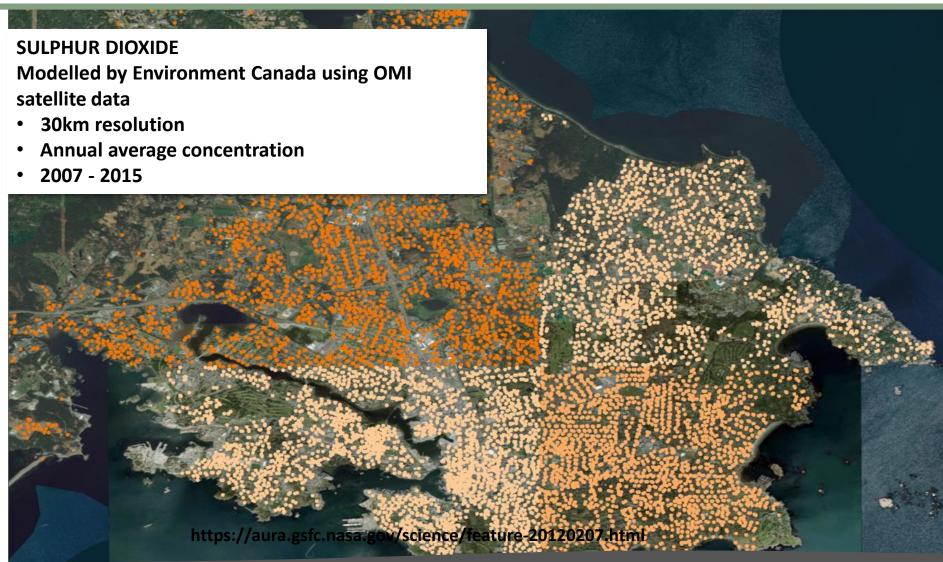




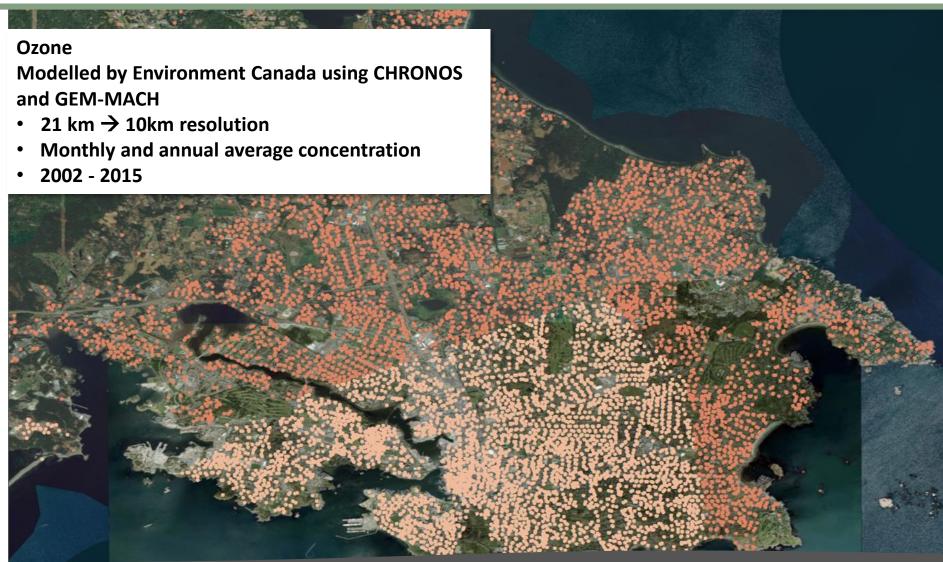




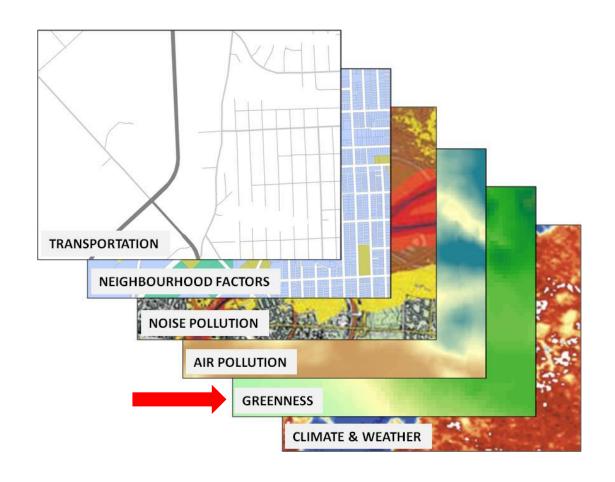












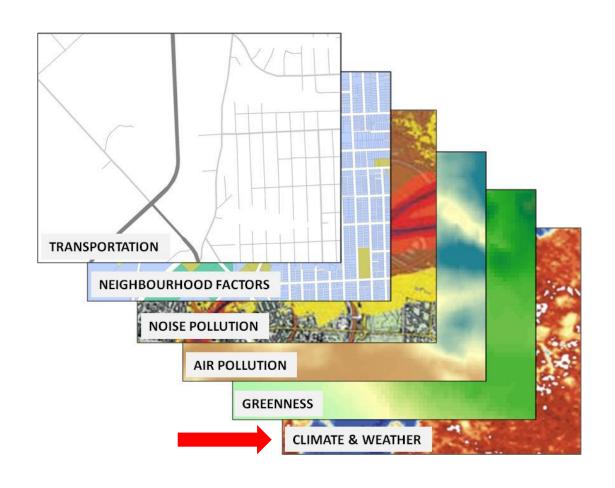


NORMALIZED DIFFERENCE VEGETATION INDEX Processed from NASA data using Google Earth Engine

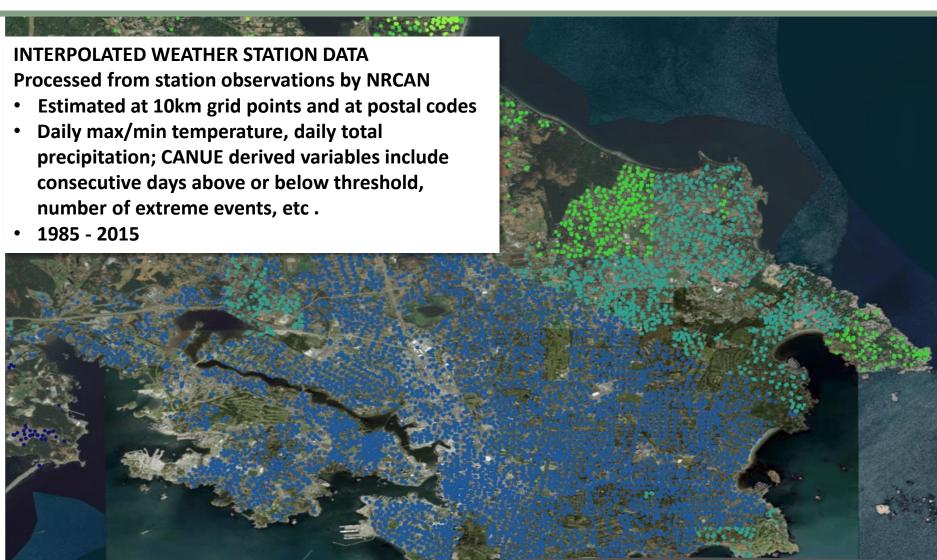
- 30m/250m/1km resolution
- Annual average, annual maximum and growing season average at each postal code, and within set distance buffers
- 1984 2015













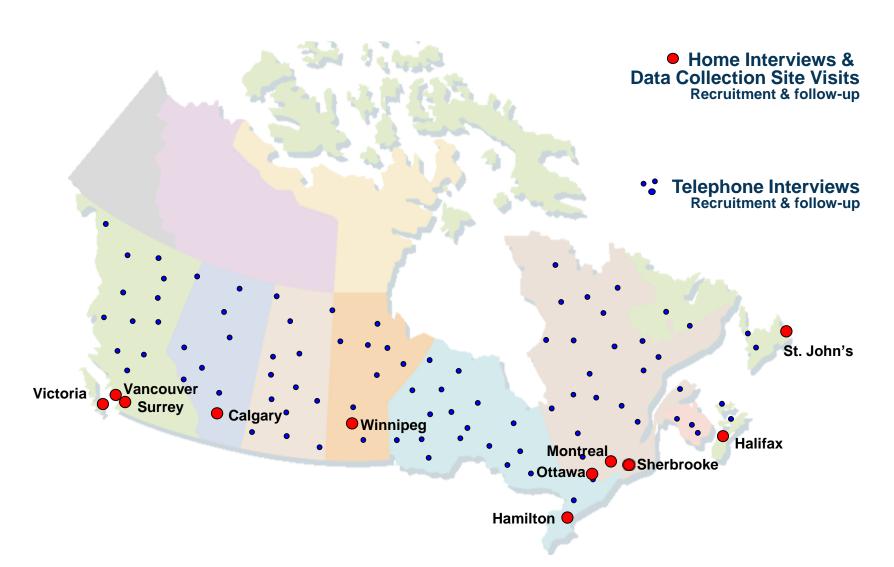
Prelinked data Canadian Longitudinal Study on Aging (CLSA)



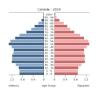
The Canadian Longitudinal Study on Aging

- Largest study of its kind in Canada for breadth and depth: following 51,338 participants (aged 45-85 at enrollment, 2010-2015) for at least 20 years
- Funded as a strategic initiative of the CIHR (Institute of Aging) and by the Canada Foundation for Innovation for infrastructure with additional funding from the provinces and partners
- Led by 3 co-principal investigators
 - Parminder Raina (McMaster), Lead-PI, Susan Kirkland (Dalhousie) Co-PI, Christina Wolfson (McGill) Co-PI, supported by more than 160 coinvestigators from 26 institutions

A National Study



Baseline questionnaire modules & Physical assessments



Demographic – Education, Ethnicity, Language, Sexual orientation, Marital status, Nutrition, Smoking, Alcohol, HCU, Medication use, ...



Health - Disease symptoms, Sleep, Oral health, Injuries, Falls, Mobility, Mental Health, Depression, PTSD, ...



Social – Social networks, support, participation, inequality, Online communication, Care giving & receiving, Labour force participation, Retirement, Transportation, Mobility, Migration, Built environments, ...



Basic Measures – Height, Weight Hip Circumference, Hearing, Vision



Functional Measures - Timed-upand-go, Standing balance, 4m walk, Chair rise, Grip strength, Neuropsych testing



Physical Measures - Blood pressure, Spirometry, Carotid ultrasound, ECG, DXA, Tonometry, Fundus photography

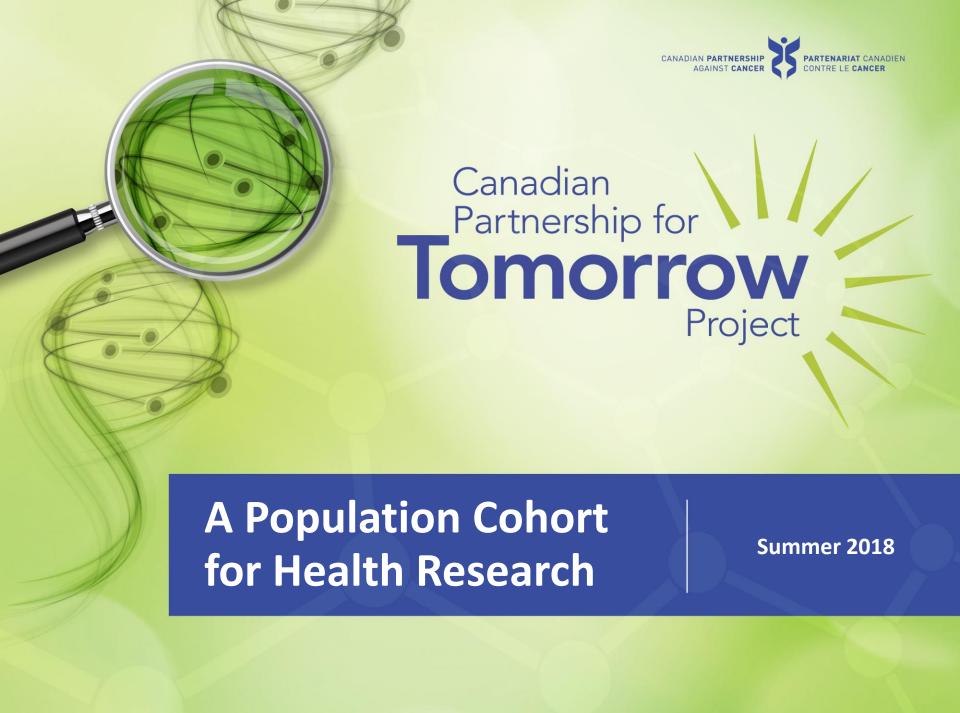


Biological samples – Blood sample, Urine sample

Data Access



- Baseline data available to the research community since 2015
 - Researchers & trainees based in academic settings and research institutes
- Dataset includes:
 - Questionnaires, Physical assessments, Cognition, Biomarker chemistry,
 Genomics
 - Images (DXA, retinal scans, ECG, spirometry) are available by special request
 - As of June 2018 linked CANUE data are also available
- Biological samples & FU1 data will become available in 2019
- Cost
- For information on how to apply, please visit <u>www.clsa-elcv.ca</u> or email <u>access@clsa-elcv.ca</u>



CPTP: Canada's Largest Population Health Research Platform

Canada's largest group of volunteer research participants, built to address key questions about what causes cancer and chronic disease.

Over 300,000 Canadians aged 30-74 years recruited from five regional cohorts across 8 provinces







Data and Biosamples: The Key to Discovery











Core questionnaire	DNA containing samples	Physical measures	Urine samples	Toenail clippings
 >300,000 Demographics Lifestyle Risk factors Several others 	 Venous blood collection (>150,000) Blood spots (>28,000) Saliva (>8,000) 	 Up to 90,000 Height/weight Waist/hip circumference BMI Grip strength 	• 101,000	• >30,000





Enriching the Dataset







Derived Data	Questionnaires	3 rd Party Data Linkage
 Genotype (fall 2018) Blood Analyte Data (fall 2018) 	 CPTP core follow-up questionnaire (2018) Occupational History Questionnaire (2019) 	 Canadian Urban Environmental Health Research Consortium (CANUE) (fall 2018) Cardiac, Vascular and Cognitive Dysfunction Alliance (CVCD Alliance) (spring 2019)





CPTP Portal: Single Point of Access

https://portal.partnershipfortomorrow.ca/



HOME

COHORTS

DATASETS

News

BIOSAMPLES

EN FR

ACCESS -

Register | Log In

The Canadian Partnership for Tomorrow Project (CPTP) Portal provides information to help the research community identify data and biosamples of interest to answer innovative research questions and request access to the CPTP resources.

Cohort design



Find out more about the five regional cohorts of the CPTP.

Read more

Datasets



Find out more about the CPTP datasets and data harmonization approach

Read more

Biosamples



Find out more about the CPTP biosamples collection and its upcoming availability.

Read more

Access



Find out more about the CPTP Access policies and procedures.

Read more

Welcome to CPTP Portal! The portal includes comprehensive information on the cohort design, data harmonized across the five regional cohorts, collected biosamples, and CPTP access procedures.

More information

Visit the CPTP web site to learn more about the Project.

For inquiries about data, biosamples and access, create a CPTP Portal User account to contact the Access Office.

Data available (April 1, 2015)

Researchers can request access to CPTP Health and Risk Factor questionnaire data (202,404 participants). Click here for more information on the CPTP harmonized datasets.

Future data releases

Data for additional participants, physical measures and other types of data, as well as information related to biosamples, will be made available to the research community in 2015 – 2016 and as more data is collected and harmonized.



AGAINST CANCER CONTRE LE CANCER

Thank You

Visit us

CPTP Website: http://www.partnershipfortomorrow.ca/

CPTP Portal: https://portal.partnershipfortomorrow.ca/

Email: <u>access@partnershipfortomorrow.ca</u>







- Canadian Longitudinal Study on Aging
- Canadian Partnership for Tomorrow Project
 - BC Generations Project
 - Alberta's Tomorrow Project
 - Ontario Health Study
 - CARTaGENE
 - Atlantic Partnership for Tomorrow's Health
- Canadian Alliance for Health Hearts and Minds
- Canadian Cohort of Obstructive Lung Disease
- Canadian Study on Health and Aging
- Canadian Multicentre Osteoporosis Study
- Canadian Healthy Infant Longitudinal Development Study
- All Our Babies and All Our Families
- Alberta Pregnancy Outcomes and Nutrition
- TARGet Kids!
- Ontario Birth Study
- Maternal-Infant Research on Environmental Chemicals

- 3D Study Design, Develop, Discover
- Better Outcomes Registry and Network
- Family Atherosclerosis Monitoring in Early Life
- Study of Asthma, Genes and the Environment
- South Asian Birth Cohort
- Ontario Institute for Clinical Evaluative Sciences
- Population Data BC
- Manitoba Centre for Health Policy (Manitoba Population Research Data Repository)
- New Brunswick Institute for Research, Data and Training
- Newfoundland Center for Health Informatics and Analytics
- SPOR Alberta
- SPOR Quebec
- SPOR Saskatchewan
- Population Health Research Unit (Nova Scotia)
- Canadian Research Data Centre Network



QUEBEC

Concordia University École Polytechnique de Montréal McGill University Université de Montréal Université Laval

ONTARIO

University of Windsor Western University

York University

Wilfrid Laurier University

Brock University
Carleton University
McMaster University
Nipissing University
Queen's University
Ryerson University
Trent University
University of Guelph
University of Ontario Institute of Technology
University of Toronto
University of Waterloo

ATLANTIC REGION

Dalhousie University
Saint Mary's University
Université de Moncton
University of New Brunswick

WESTERN REGION

MacEwan University
Mount Royal University
Simon Fraser University
University of Alberta
University of British Columbia
University of Calgary
University of Lethbridge
University of Manitoba
University of Northern British Columbia
University of Regina
University of Saskatchewan
University of Victoria
University of Winnipeg



THANK YOU!

QUESTIONS?