The Canadian Longitudinal Study on Aging: A Platform for Studying Transitions and Trajectories of Aging and Health

Christina Wolfson, PhD, McGill University, Montreal
on behalf of
Parminder Raina, PhD, McMaster University, Hamilton
Susan Kirkland, PhD, Dalhousie University, Halifax
and the CLSA Research Team
Canadian Longitudinal Study on Aging (CLSA)

- A CIHR strategic initiative
- 50,000 Participants from across Canada
- Aged 45-85 at recruitment
- 20 year follow up with major data collection every 3 years
- More than 160 researchers in 26 institutions
The CLSA Research Platform
Vision and Scientific Aim

Platform: Infrastructure to enable state-of-the-art, interdisciplinary population-based research and evidenced-based decision-making that will lead to better health and quality of life for Canadians.

Scientific Aim: To study aging as a dynamic process, examining the inter-relationships among intrinsic and extrinsic factors from mid-life to end-of-life.
Timeline and Milestones

- **Team Design Objectives Content**
- **Acceptability Bio-specimens Recruitment Data Linkage**
- **Pilot recruitment Validate measures SOPs, TMs Pilot protocol**
- **Data Collection**

**Timeline:**
- **2001**
  - RFA
  - Protocol Development
- **2002**
  - IR
  - Phase I Feasibility Studies
- **2003**
  - IR
  - Phase II Validation, Pilot
- **2004**
  - CFI
  - Recruitment and Baseline Data Collection
- **2017**
  - First Follow Up

International peer review
Research Team
( Co-PIs, Site PIs, Working Group leaders )

U Victoria: Debra Sheets, Lynne Young, Holly Tuokko
UBC: Max Cynader, Michael Kobor, Theresa Liu-Ambrose
SFU: Andrew Wister, Scott Lear
U Calgary: David Hogan, Marc Poulin
U Manitoba: Verena Menec, Phil St. John
McMaster U: Cynthia Balion, Christopher Patterson, Parminder Raina, Lauren Griffith, Harry Shannon
U Ottawa: Larry Chambers, Vanessa Taler
McGill U: Christina Wolfson, Ron Postuma
U Sherbrooke: Hélène Payette, Benoit Cossette
Dalhousie U: Susan Kirkland
Memorial U: Gerry Mugford, Patrick Parfrey
U Waterloo: Mary Thompson, Changbao Wu, Mark Oremus

+ Scientific Working Groups and Co-Investigators
www.clsa-elcv.ca
Major support for the Study and the Platform*

**Development: 2002-2009**
- CIHR, FRSQ, Universities

**Platform: 2009-2014**
- CFI infrastructure/equipment
  - CFI + Provinces + Universities and other partners

**Operations: 2009-2015**
- CIHR 2009-2015
  - 86% of required funds

**Analysis of data/biospecimens**
- No Funding

**First Follow-up: 2015-20**
- CIHR 2015-2020
  - (86%) Maintaining the platform Analysis of selected baseline biomarkers

*International Scientific Peer Review at every step*
Infrastructure

1 “Enabling” Units

National Coordinating Centre (NCC)
Director: Parminder Raina

Biorepository and Bioanalysis Centre (BBC)
Director: Cynthia Balion

Genetics and Epigenetics Centre (GEC)
Directors: Michael Kobor and Michael Hayden

Statistical Analysis Centre (SAC)
Director: Christina Wolfson
CLSA Infrastructure
11 Data Collection Sites

Simon Fraser University
University of British Columbia
University of Victoria
University of Calgary
University of Manitoba
uOttawa
Brûlère Continuing Care
McGill University
McGill University Health Centre
Université de Sherbrooke
Dalhousie University
Memorial University
Canadian Longitudinal Study on Aging
CLSA Infrastructure
Telephone Interview Centres*

*University of Victoria CATI until 2015
Methods
50,000 women and men aged 45 - 85 at baseline

Target: 20,000
Randomly selected within provinces

Target: 30,000
Randomly selected within 25-50 km of 11 sites

Questionnaire
• By telephone (CATI)

Questionnaire
• In person, in home (CAPI)

Clinical/physical tests
Blood, urine
• @ Data Collection Site

Full follow up every 3 years
Maintaining Contact in between waves

Data Linkage
Terminology

• Tracking Cohort
  • Target of 20,000 participants from all 10 provinces, followed through Computer Assisted Telephone Interviews (60 minutes)

• Comprehensive Cohort
  • Target of 30,000 participants living within 25 km (or 50 km as required) of a CLSA Data Collection Site
  • Followed through inhome interviews (60 minute) and physical assessments

• Maintaining Contact Interview
  • All 50,000 computer assisted interview (30 minutes)
  • 18 months after baseline
National Scope

- Home Interviews & Data Collection Site Visits
  Recruitment & follow-up

- Telephone Interviews
  Recruitment & follow-up

Locations: Winnipeg, Vancouver, Victoria, Surrey, Calgary, Hamilton, Ottawa, Montreal, Sherbrooke, Halifax, St. John's, Victoria, Vancouver, Calgary, Winnipeg, Montreal, Sherbrooke, Halifax, St. John's, Victoria, Vancouver, Calgary, Winnipeg, Montreal, Sherbrooke, Halifax, St. John's.
Recruitment: Multiple Sampling Frames

1. Partnership with Statistics Canada
   - CCHS 4.2 Healthy Aging Survey Content Development
     - 2006 Census as an area frame to select households
   - Agreement to share contact information

2. Partnership with provincial Ministries of Health (MOH)
   - Health Card Registration databases
   - Mailouts, return Consent-to-Contact form

3. Random Digit Dialing
   - Pre-recruitment
Exclusion Criteria

Based on CCHS exclusion criteria

- Residents of the 3 territories
  - i.e. Northwest Territories, Nunavut, Yukon
- Living in an institution
- Living on First Nations Reserves
- Full time members of the armed forces
- Temporary visa holders
- Cognitive impairment
- Unable to communicate in French or English
Baseline Content development
Scientific Management Team and Content Working Groups

SMT
- Parminder Raina
- Christina Wolfson
- Susan Kirkland
- Lauren Griffith
- Mark Oremus
- Ine Wauben

CWGs
- Clinical – Chris Patterson
- Biology – Cynthia Balion
- Lifestyle – Hélène Payette
- Social – Andrew Wister
- Health Services – Verena Menec
- Psychology – Holly Tuokko
- Methodology – Harry Shannon
Content: Tracking Modules
60 minute Computer Assisted Telephone Interviews

- Sociodemographic
- Lifestyle
- Health
  - General, women’s, vision, hearing, chronic conditions,
- Functional Status
- Cognition (recorded)
  - Rey Auditory Verbal LT
  - Mental Alternation Test
  - Animal Naming
- Depression
- PTSD screener
- Satisfaction with life
- Social networks/support
- Caregiving
- Care receiving
- Injuries
- Labour force participation
  - retirement
- Income
Content: Comprehensive
InHome Computer Assisted Personal Interviews

- Includes the content of the Tracking CATI minus the Social module (moved to the DCS)
- Plus
  - Short diet questionnaire
  - Sleep questions
  - Medication (questions plus visual assessment by interviewers)
Content: Comprehensive @ the Data Collection Site

- Contraindications questionnaire
- Disease symptoms questionnaire
- Neuropsychological measures
- Social Support
- Social Participation
- Physical Assessments
- Blood/urine specimen
@ the Data Collection Site

Reception
Registration: Bar code
Contraindications Q

Measurement Room 1
Height, weight
Blood pressure
Spirometry
Carotid ultrasound
ECG

Measurement Room 2
DEXA

Measurement Room 3
Visual acuity
Fundus photograph
Occular pressure
Grip strength
Neuropsych Part I

Measurement Room 4
Hearing
Disease Symptoms Q
Neuropsych Part II

Hallway
Timed Up and Go
Four metre walk
Balance test

Check out
Selected Results
Snack
$30

Washroom
Urine sample

Phlebotomy Room
50 ml blood draw

TOTAL TIME
2.5 – 3 HRS
Content: Maintaining Contact

30 minutes CATI

- Falls
- Pain
- Oral Health
- Health Care Utilization
- Dietary Supplement Use
- Nutritional Risk
- Physical Activity
- Social Inequality
- Online social networking
- Transportation, migration, mobility
- Built Environment
- Wealth

- Parkinsonism (T)
- Medication (T)
- Snoring (C)
- Psychological Distress (C)
- Personality Traits (C)
Standardized Paperless Process

Pre-recruitment → Consent and recruitment → Questionnaire Data (n=50,000)

Biological Data Processing
- Blood
- Urine

DATA COLLECTION SITE VISIT

n=30,000 Telephone Interview
n=20,000 Home Interview

Stored at Biorepository and Bioanalysis Centre

Alphanumeric data and images stored @ SAC

Data cleaning and quality control

Data dissemination to researchers
Status

As of May 1st, 2015
Recruitment & Data Collection Update

Telephone Interviews

Tracking Cohort

- Recruitment of 21,241* participants, 60 minute telephone interviews every 3 years:
  - From….Statistics Canada CCHS on Healthy Aging
  - From….Provincial Ministries of Health
  - From….Random Digit Dialing

- Recruitment and baseline data collection are complete!

- Data available for release to researchers‡
  - Maintaining contact interviews initiated 2013 (~15,000 completed, ~2% lost)

- First full follow-up begins summer 2015

*21,241 result of over sampling low SES
‡cognition data and some open text in second release
Recruitment & Data Collection Update
Home Interviews and Data Collection Site Visits
Comprehensive Cohort

- Recruitment of 30,000 for Home Interviews and Data Collection Site Visits:
  - From…Provincial Health Care Registries
  - From…Random Digit Dialing
- Baseline data collection 2012 to 2015:
  - In Home Interviews: 30,531 (28,915 viable)
  - DCS visits: 27,864
  - Data release target: Spring 2016
  - Maintaining Contact 10,519 to date (~2% lost)
  - First full follow-up begins summer 2015
“Results”  
Tracking Only  
N=21,241  

Acknowledgements to SAC team, Jennifer Uniat, Susan Kirkland, Andrew Wister, Verena Menec and Lauren Griffith
## CLSA Tracking Telephone Interviews

<table>
<thead>
<tr>
<th></th>
<th>Count</th>
<th>%</th>
<th>Weighted %</th>
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<td>45-54</td>
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<td>55-64</td>
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<td>Province</td>
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<td>Weighted %</td>
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<td>Newfoundland, Lab</td>
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# CLSA Tracking Telephone Interviews

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<tr>
<th>Condition</th>
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<td>Arthritis</td>
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<td>Asthma</td>
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<td>COPD</td>
<td>1433</td>
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<td>5.8</td>
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<tr>
<td>Hypertension</td>
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<tr>
<td>Diabetes</td>
<td>3542</td>
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<td>15.1</td>
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<tr>
<td>Heart disease</td>
<td>2189</td>
<td>10.3</td>
<td>9.0</td>
</tr>
<tr>
<td>Angina</td>
<td>1149</td>
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<td>4.3</td>
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<tr>
<td>Heart attack</td>
<td>1299</td>
<td>6.2</td>
<td>4.9</td>
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<tr>
<td>Stroke</td>
<td>388</td>
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<td>1.5</td>
</tr>
<tr>
<td>Dementia</td>
<td>43</td>
<td>0.2</td>
<td>0.2</td>
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<td>Parkinson’s, Parkinsonism</td>
<td>78</td>
<td>0.4</td>
<td>0.3</td>
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<tr>
<td>Multiple Sclerosis</td>
<td>141</td>
<td>0.7</td>
<td>0.6</td>
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<tr>
<td>Cancer</td>
<td>3262</td>
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<td>13.2</td>
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<tr>
<td>Osteoporosis</td>
<td>2008</td>
<td>9.5</td>
<td>8.7</td>
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<tr>
<td>Marital status</td>
<td>Count</td>
<td>%</td>
<td>Weighted %</td>
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<td>--------------------------------</td>
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<tr>
<td>Single/Never married</td>
<td>1694</td>
<td>8.0</td>
<td>8.4</td>
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<tr>
<td>Married/Common Law</td>
<td>14586</td>
<td>68.8</td>
<td>73.0</td>
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<tr>
<td>Widowed</td>
<td>2355</td>
<td>11.1</td>
<td>7.3</td>
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<tr>
<td>Divorced</td>
<td>1988</td>
<td>9.4</td>
<td>8.5</td>
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<tr>
<td>Separated</td>
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<th>Education</th>
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<tr>
<td>Less than Secondary</td>
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<tr>
<td>Secondary School</td>
<td>2875</td>
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<tr>
<td>Some Post-Secondary</td>
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<td>7.6</td>
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<tr>
<td>Post Secondary Degree/Dipl</td>
<td>14650</td>
<td>69.1</td>
<td>72.2</td>
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<table>
<thead>
<tr>
<th>Annual Household Income</th>
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<tr>
<td>Less than $20,000</td>
<td>1341</td>
<td>6.8</td>
<td>5.5</td>
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<tr>
<td>$20,000 - &lt; $50,000</td>
<td>5841</td>
<td>29.4</td>
<td>23.9</td>
</tr>
<tr>
<td>$50,000 - &lt; $100,000</td>
<td>7212</td>
<td>36.3</td>
<td>35.9</td>
</tr>
<tr>
<td>$100,000 - &lt; $150,000</td>
<td>3212</td>
<td>16.2</td>
<td>19.4</td>
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<tr>
<td>$150,000+</td>
<td>2237</td>
<td>11.3</td>
<td>15.4</td>
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</table>
## CLSA Tracking Telephone Interviews

<table>
<thead>
<tr>
<th></th>
<th>Count</th>
<th>%</th>
<th>Weighted %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Self Rated General Health</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excellent</td>
<td>3972</td>
<td>18.8</td>
<td>20.8</td>
</tr>
<tr>
<td>Very Good</td>
<td>8115</td>
<td>38.3</td>
<td>38.3</td>
</tr>
<tr>
<td>Good</td>
<td>6249</td>
<td>29.5</td>
<td>28.7</td>
</tr>
<tr>
<td>Fair</td>
<td>227</td>
<td>10.5</td>
<td>9.6</td>
</tr>
<tr>
<td>Poor</td>
<td>624</td>
<td>2.9</td>
<td>2.7</td>
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<tr>
<td><strong>Self reported Weight Status</strong></td>
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<td></td>
<td></td>
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<tr>
<td>Overweight</td>
<td>11188</td>
<td>53.0</td>
<td>52.1</td>
</tr>
<tr>
<td>Underweight</td>
<td>432</td>
<td>2.0</td>
<td>1.9</td>
</tr>
<tr>
<td>Just about right</td>
<td>9492</td>
<td>45.0</td>
<td>46.0</td>
</tr>
<tr>
<td><strong>Satisfaction with Life</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dissatisfied</td>
<td>2068</td>
<td>9.8</td>
<td>9.8</td>
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<tr>
<td>Neutral</td>
<td>850</td>
<td>4.0</td>
<td>4.5</td>
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<tr>
<td>Satisfied</td>
<td>18264</td>
<td>86.2</td>
<td>85.6</td>
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</table>
Data Access

Alphanumeric data from 21,241 CLSA participants who completed 60 minute CATIs
Data Access Steps

Tracking Data Only

Application process via CLSA DataPreview portal

1. Administrative Review
2. Data and Sample Access Committee Review
3. Recommendation to Scientific Management Team
4. Notification of applicant
   • Steps 1 to 4 take 3-4 weeks
5. CLSA Access Agreement preparation and signatures
   • Institutional review/signature timing is unpredictable
6. Raw data provided to approved investigator
   • Step 6 takes 5 working days following completion of step 5

acces@clsa-elcv.ca
Data Access Continued

• **Costing**

• **Cost Recovery (for alphanumeric data only)**
  a. $1,000 for a straightforward alphanumeric dataset
  b. No cost for data for graduate student theses
  c. One free dataset for postdoctoral fellows
  d. No cost for data requests to conduct methodological projects that will directly benefit the CLSA

• **DSAC Meetings 2015**
  • February, April, June, September, December

• **Application deadlines**
  • March 23rd, May 15th, August 14th, November 16th
DataPreview Portal
https://datapreview.clsa-elcv.ca/

CLSA DataPreview Portal

Welcome to the DataPreview Portal for the Canadian Longitudinal Study on Aging (CLSA)! The CLSA data and biological samples are available to approved Canadian and international public sector researchers, with no preferential or exclusive access for any individual. As you navigate the site you will find information about the application process and requirements for data and sample access. If you are new to using the portal we recommend you begin by reading the Frequently Asked Questions.

- CLSA Overview
  Study design and documents
- Datasets
  Dataset from the baseline interview of 20,000+ tracking participants
- Access
  Application procedure, required forms and data access policies
Datasets

A Canadian Longitudinal Study on Aging (CLSA) dataset holds and describes variables collected from participants at each wave of data collection. The variable search tool enables researchers to locate items of interest within all available data collected from CLSA participants.

Currently, data emanating from the over 20,000 Tracking participants who completed the baseline 60-minute telephone interviews are available. Cognitive scoring is ongoing and these data will be available as part of the second CLSA data release in December 2014.

Datasets from future data collection events will be added when they are available.

**Variables (June 2014)**

Variables currently available in the first wave of the data release, with filtering and search options.

**Variables (December 2014)**

Variables that will be available in the second CLSA data release in December 2014.

**Sampling weights**

Description of sampling weights used in the CLSA.

**Questionnaire**

Baseline 60-minute Telephone Interview questionnaire (Tracking).

**Study design**

Study design of the Canadian Longitudinal Study on Aging (Tracking participants).
DataPreview Portal

Variables

Help: To obtain all the variables contained in a CLSA questionnaire module, type the two- or three-letter module prefix (e.g. SDC for socio-demographic variables) into the full-text search box.

<table>
<thead>
<tr>
<th>Name</th>
<th>Label</th>
<th>Dataset</th>
</tr>
</thead>
<tbody>
<tr>
<td>startdate</td>
<td>Date and time at start of interview</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>startlanguage</td>
<td>Language at start of interview</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>AGE_NMAGR_TRM</td>
<td>Age (years)</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>SEX ASK_TRM</td>
<td>Sex</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>SDC_COB_TRM</td>
<td>Country of birth</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>SDC_COB_OTSP_TRM</td>
<td>Country of birth other, Specify</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>SDC_YACA_YR_TRM</td>
<td>Year arrival in Canada</td>
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<td>SDC_ETHN_CA_TRM</td>
<td>Parental ethnic background Canadian</td>
<td>Tracking - Baseline Interview</td>
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<tr>
<td>SDC_ETHN_FR_TRM</td>
<td>Parental ethnic background French</td>
<td>Tracking - Baseline Interview</td>
</tr>
</tbody>
</table>
Variables

Help: To obtain all the variables contained in a CLSA questionnaire module, type the two- or three-letter module prefix (e.g. SD for socio-demographic variables) into the full-text search box.

<table>
<thead>
<tr>
<th>Name</th>
<th>Label</th>
<th>Dataset</th>
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<tbody>
<tr>
<td>HRQ_HRG_TRM</td>
<td>Hearing railing</td>
<td>Tracking - Baseline Interview</td>
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<tr>
<td>HRQ_NOIS_TRM</td>
<td>Hearing difficulty with background noise</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>HRQ_USE_AID_TRM</td>
<td>Uses Hearing aid</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>HRQ_USE_OT_TRM</td>
<td>Uses Another hearing aid</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>HRQ_USE_DK_NA_TRM</td>
<td>Type of hearing aids used, Don't know</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>HRQ_USE_REFUSED_TRM</td>
<td>Type of hearing aids used, Refused to answer</td>
<td>Tracking - Baseline Interview</td>
</tr>
<tr>
<td>HRQ_USE_OTSP_TRM</td>
<td>Uses Another hearing aid, Specify</td>
<td>Tracking - Baseline Interview</td>
</tr>
</tbody>
</table>
HRG_HRG_TRM

Is your hearing, using a hearing aid if you use one...

Description

Label: Hearing rating
Dataset: Tracking - Baseline Interview
Value Type: Text
Studies: Canadian Longitudinal Study on Aging
Repeatable: No

• Domains

Data Source: Questionnaire
Body Functions: Hearing functions

Statistics

<table>
<thead>
<tr>
<th>Value</th>
<th>CLSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>4976 (23.4%)</td>
</tr>
<tr>
<td>Very good</td>
<td>6558 (31.4%)</td>
</tr>
<tr>
<td>Good</td>
<td>6329 (32.7%)</td>
</tr>
<tr>
<td>Fair</td>
<td>2238 (10.5%)</td>
</tr>
<tr>
<td>Poor</td>
<td>423 (2%)</td>
</tr>
<tr>
<td>[DO NOT READ] Don't know/No answer</td>
<td>19</td>
</tr>
<tr>
<td>[DO NOT READ] Refused</td>
<td>0</td>
</tr>
<tr>
<td>All</td>
<td>21241</td>
</tr>
</tbody>
</table>
Data and Sample Access Committee (Inaugural and Interim)

- Christina Wolfson (Chair)
- Cynthia Balion: *CLSA Biorepository and Bioanalysis Centre, McMaster*
- Max Cynader: *CLSA Lead Site Investigator, UBC*
- Pierrette Gaudreau: *CLSA Co-Investigator, Université de Montréal*
- Joan Lindsay: *Canadian Study of Health and Aging Investigator, Epidemiologist, Health Surveillance and Epidemiology Division, PHAC*
- Verena Menec: *Lead Health Services Working Group, CLSA Lead Site Investigator, University of Manitoba*
- Margaret Penning: *Past lead, CLSA Social Health Working Group, University of Victoria*
- Brent Richards: *CLSA Co-Investigator, McGill University*
- Harry Shannon: *Lead Methodology Working Group, McMaster University*
- CIHR representative – ex officio
- Jennifer Uniat: *Statistical Analysis Centre Manager*
# Approved Applications

<table>
<thead>
<tr>
<th>Applicant Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Product related senior falls and injury risk assessment</td>
<td>Ontario</td>
</tr>
<tr>
<td>CLSA Neurological conditions initiative (CLSA-NCI)</td>
<td>Quebec</td>
</tr>
<tr>
<td>Multiple chronic conditions in relation to disability and social participation</td>
<td>Ontario</td>
</tr>
<tr>
<td>The association between hearing loss and social function in older Canadians</td>
<td>British Columbia</td>
</tr>
<tr>
<td>The Veterans' Health Initiative within the CLSA (CLSA-VHI)</td>
<td>Quebec</td>
</tr>
<tr>
<td>Physical functioning and disability</td>
<td>Ontario (Postdoc)</td>
</tr>
<tr>
<td>Labour force participation: Retirement Transitions, Expectations and Planning</td>
<td>Ontario (Student)</td>
</tr>
<tr>
<td>Who is at risk of social isolation and loneliness?</td>
<td>Manitoba</td>
</tr>
<tr>
<td>Companion animals and the aging population</td>
<td>Alberta (Student)</td>
</tr>
<tr>
<td>Factorial invariance of the CES-D</td>
<td>Saskatchewan</td>
</tr>
<tr>
<td>The development of normative data and comparison standards for the cognition measures employed in the CLSA</td>
<td>British Columbia</td>
</tr>
<tr>
<td>Describing social networks and caregiver capacity in Nova Scotia</td>
<td>Nova Scotia</td>
</tr>
<tr>
<td>Menopause and mental well-being</td>
<td>Ontario (Postdoc)</td>
</tr>
<tr>
<td>Longterm exposure to ambient air pollution and effects on health</td>
<td>Ontario</td>
</tr>
</tbody>
</table>

18 applications received
Linking CLSA Data
Work in progress

• Linkage is a key CLSA research strategy
  • Enormous potential for collection of information that is difficult to get from participants due to time, accuracy limitations; unknown to participants

• Types of databases
  • Individual level administrative provincial health databases (priority)
  • Disease registries
  • Population level databases of community characteristics, climate, pollution
  • Individual level economic characteristics
**Selected Collaborations and Partnerships**

- Canadian Consortium on Neurodegeneration in Aging (CCNA)
- Veterans Affairs Canada
- Canadian Institute for Military and Veteran Health Research
- LegerMarketing
- Health Charities Coalition of Canada
- Public Health Agency of Canada
- Health Canada
- Ontario Minister of Transport
- Statistics Canada
- Neurological Health Charities Canada
- CARP
- Maelstrom Research
- Calgary Laboratory Services
- Ontario Brain Institute
- Vocantas Inc.
- Canadian Mortgage and Housing Corporation

*........*
First Follow up
First Follow Up (2015-2018)

- 1st follow up Tracking (June 2015 to May 2018)
  - Re-contacting 21,242 participants for their follow up telephone interviews
  - Planning underway

- 1st follow up Comprehensive (June 2015-May 2018)
  - Re-contacting 30,000 participants for their follow up inhome interviews and DCS visits
  - Planning underway
First Follow Up - New Content

- Child maltreatment*
- Elder Abuse*
- Epilepsy
- Hearing
- Arterial stiffness
- Decedent information
  - date and cause of death, trajectory of functional decline, residential transitions, health care utilization in 3 months prior to death
- Workability
- Subjective cognitive decline
- Transportation*
- Health care use
- Preventive health behaviours

*External funding
First Follow-up
Additional Considerations

• Changing circumstances
  • Moving
  • Cognitive impairment
  • Physical impairment
  • Sensory impairment
Governance and Advice

- Scientific Management Team
- International Scientific Advisory Board
- CLSA Advisory Council
- Knowledge Translation and Communications Cttee
- Training and Research Capacity Cttee
- Data and Sample Access Committee
- Ethical, Legal, Social Issues Advisory Committee (CIHR)
Take Home Messages

• The platform is up and running
• The data and biospecimens are being collected
• Alphanumeric data on more than 20,000 participants from across Canada are now available
• These data are free for student thesis research
• Visit the website https://datapreview.clsa-elcv.ca/
• Apply now!
Acknowledgements

CLSA Montreal

• **Data Collection Site**
  – Josee Mayer (Manager)
  – Katya Lopez
  – Claudia Greco
  – Sanjivlall Balgobin
  – Jessica Noseworthy
  – Shannon Sinclair
  – Roselene Baltus

• **In home Interviewers**
  – Amy Striemer
  – Christina DelGaudio
  – Claudia Greco
  – Liliane Mefanche
  – Elizabeth Grou

• **Statistical Analysis Centre**
  – Isabel Fortier (Assoc Director)
  – Jennifer Uniat (Manager)
  – Bin Zhu (Statistician)
  – Sarah Youssef (Data Curator)
  – Khaled Boulsaïen
  – Caterina DeLeo (Research assistant)

• **Translation**
  – Marie-Eve Veilleux (Coordinator)
  – Laurie Torres

• **Administration**
  – Karen Zabowski
Transforming Everyday Life into Extraordinary Ideas

Connect with us

info@clsa-elcv.ca
www.clса-elcv.ca