![clsa élcv logo] Canadian Longitudinal Study on Aging
Étude longitudinale canadienne sur le vieillissement

Data Support Materials
Transportation, Mobility, Migration (TRA) Module
(Maintaining Contact Questionnaire, Tracking & Comprehensive)

1. Background

During Baseline data collection, the CLSA partnered with the Ontario Ministry of Transportation (MTO), and other researchers to enhance the content of the Transportation, Mobility, and Migration (TRA) module administered in the CLSA.

i. What is the goal of the TRA module?

To obtain more detail on the driving behaviour and transportation modes used by CLSA participants, in order to better understand their mobility and transportation activities.

ii. How was this module developed?

The TRA module includes measures relevant to the domains of transportation, mobility, and migration. Questions were adapted from the Institute on Aging & Lifelong Health (formerly the Centre on Aging), University of Victoria *Baseline Study of Seniors* [migration] (https://www.uvic.ca/research/centres/aging/research/resources/datasets/index.php) and *The Older and Wiser Driver* questionnaire [transportation and mobility] (Appendix 1). The CLSA then partnered with the Ontario Ministry of Transportation (MTO), Dr. Holly Tuokko (University of Victoria) and Dr. Brenda Vrkljan (McMaster University) to develop additional transportation and mobility-related questions to be included in the TRA module. More specifically, the areas addressed in these questions include: perceived driving abilities, situational driving frequency and situational driving avoidance as well as transportation methods. Questions on driving ability and modes of transportation were adapted from questions used as part of the older driver cohort study from the CIHR-funded *'Canadian Driving Research Initiative for Vehicular Safety in the Elderly'* (Candrive: http://candrive.ca/). Road safety related questions developed by the MTO were informed by a jurisdictional scan of aging driver surveys. Mobility related questions put forward by the MTO were originally developed to pinpoint the needs of Ontarians with limited access to transportation.

2. Implementation

i. How is it administered?

The TRA module was part of the telephone administered Maintaining Contact Questionnaire (MCQ), for both Tracking and Comprehensive cohorts.

ii. What type of data are collected using this module?

Alpha numeric data.

iii. Any changes that have been made since the start of the study?

The TRA module was administered starting in September 2013. Additional questions developed by MTO were added in June 2014. Of the 19,052 Tracking cohort participants who completed the MCQ, 15,124 responded to the *new* TRA module with additional content. Similarly, of the 28,789 Comprehensive cohort participants who completed the MCQ, 27,556 responded to the *new* TRA module with the additional content. An indicator variable (ADM_COMPLETE_MCQ) was created to denote the participants who completed the MCQ, and another indicator variable (TRA_VERSION_MCQ) was created to denote who responded to the old versus the new TRA module.

iv. How are the collected data cleaned / prepared?

The CLSA Data Curation Centre (DCC) aggregated data collected from both the old version of the Transportation module (administered through the 60-minute Telephone interview v2.1) and the new version (administered through the 60-minute Telephone interview v2.6 onwards). The final cleaned dataset is based on the final version of the Transportation module in v2.7. The total number of Tracking and Comprehensive cohort participants who were administered the old version is 5,161. The participants who responded to the old version of the module were assigned missing data codes under the variables corresponding to the additional content. Where the content was similar but not exact, the data were harmonized whenever possible, in accordance with the criteria present in the new version. The unmodified content was cleaned in conjunction for both old and new versions of the module.

3. Use by researchers

i. What data are available for use?

Alphanumeric data from the TRA module are available from the Baseline phase of data collection for both the Tracking and Comprehensive cohort, from a total of 47,841 of the 51,338 participants.

ii. What are the conditions of use?

Acknowledgement in reports/presentations/publications as follows: "*this research used data from the CLSA supported in part by the Ontario Ministry of Transportation*". This statement must be included in addition to the acknowledgements required by the CLSA, as described in the CLSA Publication Policy.

References

Marshall, S.C., Man-Son-Hing, M., Bédard, M., Charlton, J., Gagnon, S., Gélinas, I., Koppel, S., Korner-Bitensky, N., Langford, J., Mazer, B., Myers, A., Naglie, G., Polgar, J., Porter, M.M., Rapoport, M., Tuokko, H., Vrkljan, B., & Woolnough, A. (2013). Protocol for Candrive II/Ozcandrive, a multicentre prospective older driver cohort study. *Accident Analysis & Prevention*, *61*, 245-252; DOI: 10.1016/j.aap.2013.02.009

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