**IPDLN Hackathon - Socioeconomic - Mortality linked data set**

**September 2018**

**Synthetic file**

This synthesized data base links socioeconomic and mortality data representing the Canadian population. This synthetic data base was derived from existing linked data available at Statistics Canada.

The data provided for this Hackathon is synthetic. It has been created using the R package *Synthpop*. The overall distributions of the variables resembles that of the original dataset, allowing the user to perform descriptive statistics and complex analysis. However, please note that this synthetic file produces synthetic results.

**Conditions of Use:**

By participating in this IPDLN Hackathon and accessing the Socioeconomic-Mortality linked data set, the participant agrees to:

* use the Socioeconomic-Mortality linked data set for the purpose of IPDLN Hackathon only;
* not share or disclose the Socioeconomic-Mortality linked data set to any other party not involved in the IPDLN Hackathon;
* destroy the Socioeconomic-Mortality linked data set at the end of IPDLN Hackathon without retaining any copy thereof.

**Number of records**: 4,346,649

**Number of variables:** 34

**Contact Information:**

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**Data dictionary:**

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| --- | --- | --- |
| **Variable name** | **Variable Description** | **Value Labels** |
| ABDERR\_synth | Aboriginal identity status (summary measure): Refers to those persons who reported identifying with at least one Aboriginal group (North American Indian, Métis or Inuit) | 1 Aboriginal Identity  2 Non-Aboriginal Identity |
| ABIDENT\_synth | Aboriginal identity status (detailed measure): Refers to those persons who reported identifying who reported identifying with at least one Aboriginal group (North American Indian, Métis or Inuit) | 1 North American Indian single response  2 Métis single response  3 Inuit single response  4 Multiple Aboriginal identity responses  5 Aboriginal responses not included elsewhere  6 Non-Aboriginal identity population |
| ADIFCLTY\_synth | Difficulties with activities of daily living: Difficulty with activities of daily living such as hearing, seeing, communicating, walking, climbing stairs, bending, learning or doing any similar activities. | 1 No  2 Not stated  3 Yes, often  4 Yes, sometimes |
| AGE\_IMM\_R\_group\_synth | Age at immigration (grouped): Refers to the age at which the respondent first obtained landed immigrant status. A landed immigrant is a person who has been granted the right to live in Canada permanently by immigration authorities. | 1 < 5 years of age  2 5 to < 10 years of age  3 10 to < 15 years of age  4 15 to < 20 years of age  5 20 to < 25 years of age  6 25 to < 30 years of age  7 30 to < 35 years of age  8 35 to < 40 years of age  9 40 to < 45 years of age  10 45 to < 50 years of age  11 50 to < 55 years of age  12 55 to < 60 years of age  13 60 and over  14 Non-permanent residents  15 Non-immigrants and institutional residents |
| CITSM\_synth | Citizenship status: Refers to the legal citizenship status of the respondent as being ''Canadian citizen by birth'' or something else. | 1 Canadian citizen by birth  2 Not a Canadian citizen by birth |
| COD1\_synth | Cause of death 1: Cause of death according to Global Burden of Disease Level 1 codes (with ICD-10 codes for comparison) | 1 Communicable, maternal, perinatal, and nutritional conditions (GBD: U001; ICD-10: A00–B99, G00–G04, N70–N73, J00–J06, J10–J18, J20–J22, H65–H66, O00–O99, P00–P96, E00–E02, E40–E46, E50, D50–D53, D64.9, E51–64)  2 Noncommunicable diseases (GBD: U059; ICD-10: C00–C97, D00–D48, D55–D64 (minus D 64.9) D65–D89, E03–E07, E10–E16, E20–E34, E65–E88, F01–F99, G06–G98, H00–H61, H68–H93, I00–I99, J30–J98, K00–K92, N00–N64, N75–N98, L00–L98, M00–M99, Q00–Q99)  3 Injuries (GBD: U148; ICD-10: V01–Y89)  4 Other causes of death or cause of death not available  5 Did not die |
| COD2\_synth | Cause of death 2: Select causes of death according to Global Burden of Disease Level 2 codes (with ICD-10 codes for comparison) | 1 Infectious and parasitic diseases (GBD: U002; A00–B99, G00, G03–G04, N70–N73)  2 Respiratory infections (GBD: U038; J00–J06, J10–J18, J20–J22, H65–H66)  3 Colon and rectal cancers (GBD: U064; C18–C21)  4 Female Breast cancer (GBD: U069; C50 )  5 Diabetes mellitus (GBD: U079; E10–E14)  6 Alzheimer’s disease and other dementias (GBD: U087; F01, F03, G30–G31)  7 Ischemic heart disease (GBD: U107; I20–I25)  8 Cerebrovascular disease (GBD: U108; I60–I69)  9 Respiratory diseases (GBD: U111; J30–J98)  10 Digestive diseases (GBD: U115; K20–K92)  11 Genitourinary diseases (GBD: U120; N00–N64, N75–N98)  12 Unintentional injuries (GBD: U149; V01–X59, Y40–Y86, Y88, Y89)  13 Other causes of death or cause of death not available (GBD: U999)  14 Did not die |
| COWD\_synth | Class of worker: Refers to the classification of respondents who reported a job | 1 Unpaid family workers - Worked without pay for a relative in a family business or farm  2 Paid worker - Originally self-employed without paid help, incorporated  3 Paid worker - Originally self-employed with paid help, incorporated  4 Paid Worker - Working for wages, salary, tips or commission  5 Self-employed without paid help, not incorporated  6 Self-employed with paid help, not Incorporated  7 Not applicable |
| DISABFL\_synth | Difficulties with activities of daily living: Refers to difficulty with daily activities and/or a physical condition or mental condition or health problem that reduces the amount or kind of activity that a person can do at home, at work or school or in other activities (e.g., transportation, leisure). | 1 No  2 Not stated  3 Yes, often  4 Yes, sometimes |
| DISABIL\_synth | Difficulties with activities of daily living by type: Refers to having at least one of the activity difficulties/reductions, or having two or more in different combinations. | 1 Difficulty with daily activities & activities reduced at home and in other activities  2 Difficulty with daily activities & activities reduced at home and at work/school  3 Difficulty with daily activities & activities reduced at home at work/school and in other activities  4 Difficulty with daily activities & activities reduced at work/school and in other activities  5 Difficulty with daily activities & activities reduced at home  6 Difficulty with daily activities & activities reduced in other activities  7 Difficulty with daily activities & activities reduced at work/school  8 Difficulty with daily activities  9 No difficulty with daily activities and no reduced activities  10 Activities reduced at home and in other activities  11 Activities reduced at home and at work/school  12 Activities reduced at home, at work/school and in other activities  13 Activities reduced at work/school and in other activities  14 Activities reduced at home  15 Activities reduced in other activities  16 Activities reduced at work/school  17 Not stated |
| DPGRSUM\_R\_synth | This variable should have been removed from the final dataset. Please ignore it. | Not applicable. |
| DPOB11N\_synth | Country of birth: Refers to the country of birth for those respondents not born in Canada | 01 non-immigrant  02 Latin America and Caribbean  03 Western Europe  04 Eastern Europe  05 Sub-Saharan Africa  06 North Africa, South West Asia, Middle East  07 South Asia  08 Southeast Asia  09 East Asia (incl Singapore)  10 Australia, New Zealand, Oceania, Greenland |
| DVISMIN\_synth | Visible minority: Refers to the visible minority group to which the respondent belongs. The Employment Equity Act defines visible minorities as 'persons, other than Aboriginal peoples, who are non-Caucasian in race or non-white in colour'. | 1 Chinese  2 South Asian  3 Black  4 Filipino  5 Latin American  6 Southeast Asian  7 Arab  8 West Asian  9 Korean  10 Japanese  11 Visible minority, n.i.e.  12 Multiple visible minority  13 Aboriginal self-reporting  14 Not a visible minority |
| EFCNT\_PP\_R\_synth | Number of persons in the family: Refers to the number of persons in the individual's family. | 1 1 person  2 2 family members  3 3 family members  4 4 family members  5 5 family members  6 6 family members  7 7 family members  8 8 family members  9 9 family members  10 10 or more family members |
| FOL\_synth | First official language: First official language spoken | 1 English  2 French  3 English and French  4 Neither English nor French |
| FPTIM\_synth | Labour Market Activities: Full and part time employment. Persons were asked to report whether the weeks they worked in the year prior to the survey were full-time weeks (30 hours or more per week) or not, on the basis of all jobs held. | 1 Worked mainly full-time weeks  2 Worked mainly part-time weeks  3 Not applicable (didn’t work) |
| GENSTPOB\_synth | Generation status: Refers to the generational status of the respondent, that is, 1st generation, 2nd generation or 3rd generation or more. Generation status is derived from place of birth of respondent, place of birth of father and place of birth of mother. | 1 1st generation - Respondent born outside Canada  2 2nd generation - Respondent born in Canada of at least one foreign-born parent  3 3rd generation - Respondent born in Canada and both parents born in Canada |
| HCDD\_synth | Highest certificate, diploma or degree: Information indicating the person's most advanced certificate, diploma or degree. | 1 None  2 High school graduation certificate or equivalency certificate  3 Other trades certificate or diploma  4 Registered apprenticeship certificate  5 College, CEGEP or other non-university certificate or diploma from a program of 3 months to less than 1 year  6 College, CEGEP or other non-university certificate or diploma from a program of 1 year to 2 years  7 College, CEGEP or other non-university certificate or diploma from a program of more than 2 years  8 University certificate or diploma below bachelor level  9 Bachelor's degree  10 University certificate or diploma above bachelor level  11 Degree in medicine, dentistry, veterinary medicine or optometry  12 Master's degree  13 Earned doctorate degree |
| IMMDER\_synth | Immigration status: Indicates whether the respondent is a non-immigrant, an immigrant or a non-permanent resident. | 1 Immigrants  2 Non-permanent residents  3 Non-immigrants |
| KID\_group\_synth | Children, total number in family (grouped) | 1 no children  2 one or two children  3 three or more children |
| LOINCA\_synth | Low income status (after taxes): Refers to the low income status of the respondent in relation to Statistics Canada's Low Income before tax cutoffs | 1 non-low income  2 low income  3 Concept not applicable (economic familes, persons not in economic families in the Yukon, NWT, Nunavut and on Indian Reserves) |
| LOINCB\_synth | Low income status (before taxes): Refers to the low income status of the respondent in relation to Statistics Canada's Low Income before tax cutoffs | 1 non-low income  2 low income  3 Concept not applicable (economic familes, persons not in economic families in the Yukon, NWT, Nunavut and on Indian Reserves) |
| MARST\_synth | Marital Status: Refers to the legal marital status of the person. | 1 Divorced  2 Legally married (and not separated)  3 Separated, but still legally married  4 Never legally married (single)  5 Widowed |
| NOCSBRD\_synth | Occupation broad categories: Refers to the kind of work persons were doing during the reference week, as determined by their kind of work and the description of the main activities in their job. | 1 A Management occupations  2 B Business, finance and administrative occupations  3 C Natural and applied sciences and related occupations  4 D Health occupations  5 E Occupations in social science, education, government service and religion  6 F Occupations in art, culture, recreation and sport  7 G Sales and service occupations  8 H Trades, transport and equipment operators and related occupations  9 I Occupations unique to primary industry  10 J Occupations unique to processing, manufacturing and utilities  11 Not Applicable |
| OLN\_synth | Official language: Refers to the ability to conduct a conversation in English only, in French only, in both English and French or in none of the official languages of Canada | 1 English only  2 French only  3 Both English and French  4 Neither English nor French |
| POBDER\_synth | Place of birth: Indicates whether the respondent was born in the same province that they lived in at the time of survey, born in a different province than they lived in at the time of the survey or born outside Canada. | 1 Born in province of residence  2 Born in another province  3 Born outside Canada |
| PR\_synth | Province or territory of residence | 10 Newfoundland and Labrador  11 Prince Edward Island  12 Nova Scotia  13 New Brunswick  24 Quebec  35 Ontario  46 Manitoba  47 Saskatchewan  48 Alberta  59 British Columbia  60 Yukon  61 Northwest Territories  62 Nunavut |
| RPAIR\_synth | Condition of dwelling: Refers to whether, in the judgement of the respondent, the dwelling requires any repairs (excluding desirable remodelling or additions). | 1 No, only regular maintenance  2 Yes, minor repairs are needed  3 Yes, major repairs are needed  4 Not applicable |
| RUINDFG\_synth | Rural urban classification: Blocks falling inside urban areas are classified as urban. Blocks falling outside of urban areas are classified as rural. | 1 Rural  2 Urban |
| SEX\_synth | Sex | 1 Female  2 Male |
| S\_DEAD\_synth | Mortality status: Refers to whether or not the respondent died during the X years following the survey response | 1 Dead  2 Not dead |
| TRMODE\_synth | Mode of transportation to work: Refers to the mode of transportation to work of respondents 15 years of age and over who have worked since January 1, 2005. | 1 Bicycle  2 Car, truck, van as driver  3 Motorcycle  4 Other mode  5 Car, truck, van as passenger  6 Taxicab  7 Public transit  8 Walked  9 Not applicable |
| YRIM\_group\_synth | Year of immigration: Refers to the year landed immigrant status was first obtained in Canada. Includes immigrants who landed in Canada prior to the survey collection. | 1 2002 or later  2 between 1997 and 2001  3 between 1996 and 1987  4 1986 or earlier  5 Non-permanent residents  6 Non-immigrants and institutional residents |
| age\_group\_synth | Age: grouped | 1 19 to 24  2 25 to 29  3 30 to 34  4 35 to 39  5 40 to 44  6 45 to 49  7 50 to 54  8 55 to 59  9 60 to 64  10 65 to 69  11 70 to 74  12 75 to 79  13 80 to 84  14 85 to 89  15 90 and older |
| d\_licoratio\_da\_bef\_synth | Low-income area-based deciles: The ratio of total income to Statistics Canada low-income cut-offs for the applicable family size and community size. Ratios were calculated by each CMA/CA or by provincial rural residual levels and divided into the regional level deciles for before tax income. | 1 – lowest decile (i.e. lowest income)  2  3  4  5  6  7  8  9  10 – highest decile (i.e. highest income) |