

Appendices

Appendix A. Managing boundary changes between censuses

Linear interpolation assumes that geographic boundaries remain constant over time. However, in practice, census boundaries are revised every five years to reflect demographic and administrative changes. These revisions may involve the splitting, merging, or reconfiguring of Dissemination Areas (DAs), making direct comparisons across census cycles problematic.

To address this challenge, we applied an areal-weighted interpolation method to harmonize Census Profile data between consecutive census years. Areal weighting is a common method for areal interpolation, first introduced by Markoff and Shapiro.^{1,2} We employed this method by leveraging the Correspondence Files published by Statistics Canada, which provide the areal-overlap percentages between DAs from different census cycles.^{3,4} For this study, we aligned the 2016 Census Profile to 2011 DA boundaries, and the 2021 Census Profile to 2016 DA boundaries. This allowed us to generate consistent Census Profiles for intercensal periods. The Census Profiles from 2012 to 2015 were estimated using DA 2011 boundaries, and those from 2017 to 2020 were estimated according to DA 2016 boundaries.

Most indicators in the Census of Population are frequencies. However, there are other types of variables in Census Profiles that we used in developing CASDOHI, including percentages, means, and medians, which must be treated differently during interpolation. Areal interpolation techniques vary depending on whether the variable is extensive or intensive.⁵ Extensive variables, such as population counts, are dependent on the size of the geographic unit. In contrast, intensive variables, such as percentages and means, are not dependent on geographic size.⁵ The areal-weighted interpolation method remains a widely used approach to interpolate both types of variables.^{1,2}

For extensive variables such as counts, we estimated values for a target DA from an earlier census year based on overlapping DAs from the subsequent census year. For example, to estimate an extensive variable for DA in 2016 based on the boundaries of the previous census, 2011, $x_{2016 \rightarrow 2011}$, we used the following formula:

$$x_{2016 \rightarrow 2011} = \sum_j \left(x_{2016 \rightarrow 2016} \times \frac{a_{jk}}{a_j} \right) \quad \text{Eq. 2}$$

Where k indicates a DA unit based on 2011 boundaries, j represents a DA based on 2016 boundaries, $x_{2016 \rightarrow 2016}$ represents the known value for DA j in 2016, a_{jk} is the land area of DA j in 2016 that overlaps with the land area of a target DA k in 2011, and a_j is the total land area of DA j in 2016. Since the Correspondence File does not contain information on DA areas in square kilometres, we used the same formula to interpolate *population density per square kilometre* over the intercensal years.

To estimate an intensive variable x in the Census Profile, including means and percentages, in 2016 based on DA boundaries from 2011, the following equation was used:

$$x_{2016 \rightarrow 2011} = \frac{\sum_j (p_{2016 \rightarrow 2016} \times x_{2016 \rightarrow 2016} \times \frac{a_{jk}}{a_j})}{\sum_j (p_{2016 \rightarrow 2016} \times \frac{a_{jk}}{a_j})} \quad \text{Eq. 3}$$

Where $x_{2016 \rightarrow 2011}$ is the interpolated value for DA k in 2016, $x_{2016 \rightarrow 2016}$ is the known mean or percentage for DA j in 2016, and $p_{2016 \rightarrow 2016}$ indicates the population in DA j in 2016.

To areally interpolate medians, we incorporated the weighted median of medians approach⁶ with an areal-weighted interpolation technique.^{1,2,5} Taking 2016 based on the boundaries of the previous census, 2011, as our example again, first, we sorted every 2016 DA j that overlaps with the 2011 DA k , which we wanted to estimate the median for, by their medians. Next, we calculated the cumulative population for each DA j . We used the following equation to estimate the median in 2016 based on DA boundaries in 2011:

$$x_{2016 \rightarrow 2011} = x_{2016 \rightarrow 2016} \quad \text{where} \quad c_j \geq \frac{1}{2} \sum_j (p_{2016 \rightarrow 2016} \times \frac{a_{jk}}{a_j}) \quad \text{Eq. 4}$$

Where $x_{2016 \rightarrow 2011}$ is the estimated median in year 2016 in DA k , $x_{2016 \rightarrow 2016}$ is the known median in DA j in 2016, and c_j is the cumulative population at the j^{th} DA.

References

1. Markoff J, Shapiro G. The linkage of data describing overlapping geographical units. *Hist Methods Newsl.* 1973;7(1):34-46.
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<https://www150.statcan.gc.ca/n1/en/pub/92-156-g/92-156-g2021001-eng.pdf?st=wsG0k7fG>
5. Fotheringham S, Rogerson P. *Spatial Analysis And GIS.* (Fotheringham S, Rogerson P, eds.). CRC Press; 2014. doi:10.1201/9781482272468
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Appendix B. Indicators used in reviewed Canadian deprivation indices and their equivalents in CASDOHI.

Category	Deprivation index							
	Pampalon Index	CIMD	MCHP	Can-Marg	On-Marg	VANDIX	CanSET	CASDOHI
Population and age groups								
Population		Proportion of persons per square kilometer					Population density; total number of people per square kilometre of area	Population density per square kilometer
		Proportion of population that is female						Percentage female population
Age		Proportion of children younger than age 6					Percent of population aged 0 to 14 years	Percentage of population younger than 5 years old Percentage of population younger than 15 years old Percentage of youth population (aged 5-14)
		Proportion of population that are youth (aged 5-15) Proportion of the population who are aged 65+		Proportion of the population who are not youth (age 5-15) Proportion of the population who are aged 65+	Proportion of the population who are not youth (age 5-15) Proportion of the population who are aged 65+		Percent of population aged 65 and above	Percentage of population aged 65+
Dependency ratio		Dependency ratio (population aged 0-14 and population aged 65+ divided by propulation aged 15-64)		Dependency ratio (total population 0-14 and 65+ / total population 15 to 64)	Dependency ratio (total population 0-14 and 65+ / total population 15 to 64)			Dependency ratio (population aged 0-14 and population aged 65+ divided by propulation aged 15-64)
Household and living arrangements								
Household size		Average number of persons per dwelling		Average number of persons per dwelling/ Average household size	Average number of persons per dwelling		Average number of people in a household	Average household size
		Average number of persons per room						Not included ¹
Marital status		Proportion of the population that is married/common-law						Percentage of population aged 15+ who are married or living with common-law Percentage of population aged 15+ who are separated, divorced, or widowed
	The proportion of the population aged 15 and over who are separated, divorced or widowed	Proportion of the population that is single, divorced, separated, or widowed	the proportion of the population aged 15+ who are separated, divorced, or widowed	Proportion of the population who are single/divorced/widowed	Proportion of the population who are single/divorced/widowed			
Single-parents	The proportion of single-parent families	Proportion of single parent families	proportion of single parent households	Proportion of families who are lone parent families	Proportion of families who are lone parent families	Proportion of lone-parent families among all census families	Percent of lone parent census families	Percentage of singe-parent families
Living alone	The proportion of the population aged 15 and over living alone	Proportion of persons living alone	the proportion of the population that lives alone	Proportion of the population living alone	Proportion of the population living alone			Percentage of population living alone
Living in institution							Percent of population that are institutionalized and residing in medical or long-term care facilities or shelters	Not included
Income								
Household income		Median household income						Median after-tax household income in the year prior to the census

Category	Deprivation index							CASDOHI
	Pampalon Index	CIMD	MCHP	Can-Marg	On-Marg	VANDIX	CanSET	
		Average household income	average household income					Average after-tax household income in the year prior to census
Individual income		Median income of individuals						Median total income in the year prior to census among recipients aged 15+
				Average after-tax income for population aged 15+				Average after-tax income in the year prior to census among recipients aged 15+
	The average personal income of the population aged 15 years and over	Average income of individuals				Average total income among population 15 years and over		Average total income in the year prior to census among recipients aged 15+
Government transfers payment		Proportion of population receiving government transfer payments					Percent of population aged 15+ receiving specific government transfers.	Percentage of population who received government transfers in the year prior to census among population aged 15+
				Proportion of total income from government transfer payments for population aged 15+	Proportion of total income from government transfer payments for population aged 15+			Percentage of total income from government transfer payments among population aged 15+
Poverty		Proportion of the population that is low-income		Proportion of the population considered low-income	Proportion of the population considered low-income			Percentage of the population considered low-income based on LICO-AT and LIM-AT
Ethnocultural and immigration indicators								
Language		Proportion of population with no knowledge of either official language (linguistic isolation)					Percent with no knowledge of either of official languages	Percentage of population with no knowledge of either official language (English and French)
Immigration		Proportion of population that is foreign born					Percent of immigrant population	Percentage of immigrants
		Proportion of the population which are recent immigrants (arrived in five years prior to Census)		Proportion of the population who are recent immigrants (arrived in past 5 years)	Proportion of the population who are recent immigrants (arrived in the past 5 years)		Percent of recent immigrant population (landed in Canada between 2011 and 2016)	Percentage of recent immigrants (arrived within 5 years prior to Census)
Ethnicity		Proportion of the population self-identified as visible minority		Proportion of the population who self-identify as a visible minority	Proportion of the population who self-identify as a visible minority		Percent of people who identified themselves as belonging to a visible minority group	Percentage of population who self-identify as visible minority
							Percent of people belonging to Arab or West Asian visible minority groups	Reported based on CIHI categories ²
							Percent of people belonging to Latin American visible minority group	Reported based on CIHI categories ²
							Percent of people belonging to Black visible minority group	Reported based on CIHI categories ²
							Percent of people belonging to Chinese, Filipino, Southeast Asian, Korean or Japanese visible minority groups	Reported based on CIHI categories ²

Category	Deprivation index							
	Pampalon Index	CIMD	MCHP	Can-Marg	On-Marg	VANDIX	CanSET	CASDOHI
		Proportion of the population identified as Indigenous					Percent of people belonging to South Asian visible minority group	Reported based on CIHI categories ²
Religion		Proportion of population with no religious affiliation					Percent of people who identified themselves with Aboriginal peoples of Canada	Percentage of population who self-identify as Indigenous
								Not included
Housing								
Housing condition		Proportion of homes needing major repairs			Proportion of households living in dwellings that are in need of major repair		Percent of occupied private dwellings in need of major repairs	Percentage of occupied dwellings that need major repairs
							Percent of private households living in not suitable accommodations (according to the National Occupancy Standard)	Percentage of private households living in not suitable accommodations
		Proportion of dwellings that are apartment buildings		Proportion of dwellings that are apartments in a building with 5 or more stories	Proportion of dwellings that are apartment buildings			Percentage of occupied dwellings that are apartment buildings with five or more storeys
Housing ownership		Proportion of dwellings that are owned		Proportion of dwellings that are not owned	Proportion of dwellings that are not owned	Proportion of persons owing their home	Percent of private dwellings occupied by owner (Includes households that own or rent their private dwelling. Excluded is shelter occupancy on Indian reserves or settlements.)	Percentage of households who are tenure owner
		Proportion of occupied units that are rentals						Not included
Housing affordability		Proportion of tenant household spending 30% or more of household income on rent						Percentage of tenant households spending 30% or more of income on shelter costs
							Percent of households spending more than 30% of its average total income shelter costs	Percentage of owner and tenants households spending 30% or more of income on shelter costs
		Proportion of owner households spending 30% or more of household income on major payments						Percentage of owner households spending 30% or more of income on shelter costs
Residential mobility		Residential mobility (different house as 1 year ago)						Percentage of movers within 1 year prior to Census
		Proportion of movers within the past 5 years	the proportion of the population that has moved at least once in the past five years	Proportion of the population who moved during the past 5 years	Proportion of the population who moved during the past 5 years			Percentage of movers within 5 years prior to Census
Housing value		Median dollar value of dwelling						Median value of owned dwellings

Category	Deprivation index							
	Pampalon Index	CIMD	MCHP	Can-Marg	On-Marg	VANDIX	CanSET	CASDOHI
		Average dollar value of dwelling					Average value of privately owned dwellings	Average value of owned dwellings
							Measure of variability in dwelling value within a DA	Not included
Education								
Educational attainment	The proportion of the population aged 15 years and over without a high school diploma or equivalent	Proportion of the population aged 25-64 without a high-school diploma	the proportion of the population aged 15+ without high school graduation	Proportion of the population aged 15+/20+/25+ without a high-school diploma	Proportion of the population aged 20+ without a high-school diploma	Percentage of residents without high school completion in population aged 20+	Percent of private households with the highest level of education of all its members “no certificate, degree or diploma” (aged 15+)	Percentage of population aged 15+ without a high school diploma or equivalent
						Percentage of residents with a university degree in population aged 20+	Percent of private households with at least one member aged 15+ of the household having “university certificate, diploma or degree at bachelor level or above”	Percentage of population aged 15+ with university certificate, diploma or degree at bachelor level or above
		Proportion of population aged 15-24 not attending school						Not included
Labour force								
Participation		Proportion of population participating in the labour force (aged 15+)		Proportion of the population not participating in labour force (aged 15+)	Proportion of the population not participating in labour force (aged 15+)			Labour force participation rate
Employment	The employment to population ratio for the population 15 years and over	Ratio of employment to population				The ratio of those 15 years and over working or seeking work to the total population		Employment rate in population aged 15+
		Proportion of population that is unemployed (aged 15+)	the unemployment rate of the population aged 15+	Proportion of the population aged 15+ who are unemployed	Proportion of the population aged 15+ who are unemployed	Unemployment rate of population aged 15 years and over	Unemployment rate for population aged 15 years and above for population who were available for work	Unemployment rate in population aged 15+
		Unemployment rate in private households with children younger than age 6						Not included
Self-employment		Proportion of population that is self-employed						Percentage of labour force aged 15+ who are self-employed
broad NOC and NAICS							Percent of employed labour force in manufacturing, construction and trade related occupation (Includes population aged 15 and above who were available for work in the census reference week)	Percentage of labour force aged 15+ by NOC and NAICS
							Percent of employed labour force in management and administration occupation (Includes population aged 15 and above who were available for work in the census reference week)	Percentage of labour force aged 15 years and over by NOC and NAICS

Category	Deprivation index							CASDOHI
	Pampalon Index	CIMD	MCHP	Can-Marg	On-Marg	VANDIX	CanSET	
							Percent of employed labour force in professional occupation (Includes population aged 15 and above who were available for work in the census reference week)	Percentage of labour force aged 15 years and over by NOC and NAICS
Unpaid work		Proportion of population at least 15 years old and doing unpaid housework						Not included
		Proportion of population at least 15 years old looking after children without pay						Not included
		Proportion of population at least 15 years old and providing unpaid care or assistance to seniors						Not included

Notes: ¹ Indicates that data needed to create the indicator is not available in Census Profile. ² *Guidance on the Use of Standards for Race-Based and Indigenous Identity Data Collection and Health Reporting in Canada* by CIHI, 2022.
CASDOHI: Canadian Area-Level Social Determinants of Health Indicators. CIMD: Canadian Indicator of Multiple Deprivation. Can-Marg: Canadian Marginalization Index. MCHP: Manitoba Centre for Health Policy Social and Material Deprivation Indices. On-Marg: Ontario Marginalization Index. VANDIX: Vancouver Area Neighbourhood Deprivation Index. CanSET: Canadian Social Environment Typology. NOC: National Occupational Classification. NAICS: North American Industry Classification System.

Appendix C. The list of variables available in the Canadian Area-Level Social Determinants of Health Indicators (CASDOHI) dataset.

Variable	Description	Sample ¹	Profile Reference (2011) ²	Profile Reference (2016) ³	Profile Reference (2021) ⁴
da_id_`year` ⁵	Dissemination Area unique id in years 2011, 2016, and 2021	NA ⁶	NA	NA	NA
pr_id_`year`	Province unique id in years 2011, 2016, and 2021	NA	NA	NA	NA
pr_name_`year`	Povince name in years 2011, 2016, and 2021	NA	NA	NA	NA
csd_id_`year`	Census Subdivision unique id in years 2011, 2016, and 2021	NA	NA	NA	NA
csd_name_`year`	Census Subdivision name in years 2011, 2016, and 2021	NA	NA	NA	NA
cd_id_`year`	Census Division unique id in years 2011, 2016, and 2021	NA	NA	NA	NA
cma_id_`year`	Census Metropolitan Area unique id in years 2011, 2016, and 2021	NA	NA	NA	NA
ct_id_`year`	Census Tract unique id in years 2011, 2016, and 2021	NA	NA	NA	NA
sactype_`year`	Statistical Area Classification in years 2011, 2016, and 2021	NA	NA	NA	NA
pop_t	Population count in Census date - Total	100%	1	1	1
pop_f	Population count in Census date - Female	100%	8	8	8
pop_m	Population count in Census date - Male	100%	8	8	8
pct_pop_f	Percentage of population who are female	100%	8_f/8_t×100	8_f/8_t×100	8_f/8_t×100
pop_density	Population density per square kilometer	100%	6	6	6
mean_age_t	Average age of the population - Total	100%	Not available	39	39
mean_age_f	Average age of the population - Female	100%	Not available	39	39
mean_age_m	Average age of the population - Male	100%	Not available	39	39
med_age_t	Median age of the population - Total	100%	40	40	40
med_age_f	Median age of the population - Female	100%	40	40	40
med_age_m	Median age of the population - Male	100%	40	40	40
pct_age_under5_t	Percentage of the population younger than 5 years old - Total	100%	10/1×100	10/1×100	10/1×100
pct_age_under5_f	Percentage of the population younger than 5 years old - Female	100%	10/8×100	10/8×100	10/8×100
pct_age_under5_m	Percentage of the population younger than 5 years old - Male	100%	10/8×100	10/8×100	10/8×100

pct_age_under15_t	Percentage of the population younger than 15 years old - Total	100%	$(10+11+12)/1 \times 100$	35	35
pct_age_under15_f	Percentage of the population younger than 15 years old - Female	100%	$(10+11+12)/8 \times 100$	35	35
pct_age_under15_m	Percentage of the population younger than 15 years old - Male	100%	$(10+11+12)/8 \times 100$	35	35
pct_age_5to14_t	Percentage of population that are youth (aged 5-14) - Total	100%	$(11+12)/1 \times 100$	$(11+12)/1 \times 100$	$(11+12)/1 \times 100$
pct_age_5to14_f	Percentage of population that are youth (aged 5-14) - Female	100%	$(11+12)/8 \times 100$	$(11+12)/8 \times 100$	$(11+12)/8 \times 100$
pct_age_5to14_m	Percentage of population that are youth (aged 5-14) - Male	100%	$(11+12)/8 \times 100$	$(11+12)/8 \times 100$	$(11+12)/8 \times 100$
pct_age_65plus_t	Percentage of population who are aged 65+ - Total	100%	$(25+26+27+28+29)/8 \times 100$	37	37
pct_age_65plus_f	Percentage of population who are aged 65+ - Female	100%	$(25+26+27+28+29)/8 \times 100$	37	37
pct_age_65plus_m	Percentage of population who are aged 65+ - Male	100%	$(25+26+27+28+29)/8 \times 100$	37	37
ratio_dep_t	Dependency ratio (population aged 0-14 and population aged 65+ divided by propulation aged 15-64) - Total	100%	$(10+11+12+25+26+27+28+29)/(90+91+92+93+94+95+96+97+98)$	$(9+24)/13$	$(9+24)/13$
ratio_dep_f	Dependency ratio (population aged 0-14 and population aged 65+ divided by propulation aged 15-64) - Female	100%	$(10+11+12+25+26+27+28+29)/(90+91+92+93+94+95+96+97+98)$	$(9+24)/13$	$(9+24)/13$
ratio_dep_m	Dependency ratio (population aged 0-14 and population aged 65+ divided by propulation aged 15-64) - Male	100%	$(10+11+12+25+26+27+28+29)/(90+91+92+93+94+95+96+97+98)$	$(9+24)/13$	$(9+24)/13$
mean_hh_size	Average household size - Total	100%	57	58	57
pct_mcl_t	Percentage of the population aged 15+ who are married or living with common-law - Total	100%	$59/58 \times 100$	$60/59 \times 100$	$59/58 \times 100$
pct_mcl_f	Percentage of the population aged 15+ who are married or living with common-law - Female	100%	$59/58 \times 100$	$60/59 \times 100$	$59/58 \times 100$
pct_mcl_m	Percentage of the population aged 15+ who are married or living with common-law - Male	100%	$59/58 \times 100$	$60/59 \times 100$	$59/58 \times 100$
pct_nm_t	Percentage of the population aged 15+ who are never married - Total	100%	$67/58 \times 100$	$64/59 \times 100$	$67/58 \times 100$
pct_nm_f	Percentage of the population aged 15+ who are never married - Female	100%	$67/58 \times 100$	$64/59 \times 100$	$67/58 \times 100$
pct_nm_m	Percentage of the population aged 15+ who are never married - Male	100%	$67/58 \times 100$	$64/59 \times 100$	$67/58 \times 100$

pct_sdw_t	Percentage of the population aged 15+ who are separated, divorced, or widowed - Total	100%	$(68+69+70)/58 \times 100$	$(65+66+67)/59 \times 100$	$(68+69+70)/58 \times 100$
pct_sdw_f	Percentage of the population aged 15+ who are separated, divorced, or widowed - Female	100%	$(68+69+70)/58 \times 100$	$(65+66+67)/59 \times 100$	$(68+69+70)/58 \times 100$
pct_sdw_m	Percentage of the population aged 15+ who are separated, divorced, or widowed - Male	100%	$(68+69+70)/58 \times 100$	$(65+66+67)/59 \times 100$	$(68+69+70)/58 \times 100$
pct_single_parent_t	Percentage of single-parent families	100%	$86/78 \times 100$	$78/74 \times 100$	$86/78 \times 100$
pct_single_parent_f	Percentage of single-parent families in which the parent is woman	100%	$87/78 \times 100$	$79/74 \times 100$	$87/78 \times 100$
pct_single_parent_m	Percentage of single-parent families in which the parent is man	100%	$88/78 \times 100$	$80/74 \times 100$	$88/78 \times 100$
pct_alone_t	Percentage of population living alone - Total	100%	$51/89 \times 100$	$52/57 \times 100$	$51/89 \times 100$
pct_alone_f	Percentage of population living alone - Female	100%	$51/89 \times 100$	$52/57 \times 100$	$51/89 \times 100$
pct_alone_m	Percentage of population living alone - Male	100%	$51/89 \times 100$	$52/57 \times 100$	$51/89 \times 100$
pct_no_eng_fr_t	Percentage of population with no knowledge of either official language (English and French) - Total	100%	$387/383 \times 100$	$104/100 \times 100$	$387/383 \times 100$
pct_no_eng_fr_f	Percentage of population with no knowledge of either official language (English and French) - Female	100%	$387/383 \times 100$	$104/100 \times 100$	$387/383 \times 100$
pct_no_eng_fr_m	Percentage of population with no knowledge of either official language (English and French) - Male	100%	$387/383 \times 100$	$104/100 \times 100$	$387/383 \times 100$
med_ttinc_hh	Median household total income in the year prior to census (\$)	100%	243	742	243
med_atinc_hh	Median after-tax household income in the year prior to the census (\$)	100%	244	743	244
mean_ttinc_hh	Average household total income in the year prior to census (\$)	100%	252	751	252
mean_atinc_hh	Average after-tax household income in the year prior to census (\$)	100%	253	752	253
med_ttinc_ind_t	Median total income in the year prior to census among recipients aged 15+ (\$) - Total	100%	113	663	113
med_ttinc_ind_f	Median total income in the year prior to census among recipients aged 15+ (\$) - Female	100%	113	663	113
med_ttinc_ind_m	Median total income in the year prior to census among recipients aged 15+ (\$) - Male	100%	113	663	113
mean_ttinc_ind_t	Average total income in the year prior to census among recipients aged 15+ (\$) - Total	25%	128	674	128

mean_ttinc_ind_f	Average total income in the year prior to census among recipients aged 15+ (\$) - Female	25%	128	674	128
mean_ttinc_ind_m	Average total income in the year prior to census among recipients aged 15+ (\$) - Male	25%	128	674	128
med_atinc_ind_t	Median after-tax income in the year prior to census among recipients aged 15+ (\$) - Total	25%	115	665	115
med_atinc_ind_f	Median after-tax income in the year prior to census among recipients aged 15+ (\$) - Female	25%	115	665	115
med_atinc_ind_m	Median after-tax income in the year prior to census among recipients aged 15+ (\$) - Male	25%	115	665	115
mean_atinc_ind_t	Average after-tax income in the year prior to census among recipients aged 15+ (\$) - Total	100%	130	676	130
mean_atinc_ind_f	Average after-tax income in the year prior to census among recipients aged 15+ (\$) - Female	100%	130	676	130
mean_atinc_ind_m	Average after-tax income in the year prior to census among recipients aged 15+ (\$) - Male	100%	130	676	130
med_atinc_hh_adj	Median after-tax household income adjusted for the household size	100%	244/sqr root(57)	743/square root(58)	244/sqr root(57)
pct_pop_gtransfer_t	Percentage of population who received government transfers in the year prior to census among population aged 15+ in private households - Total	100%	Not available	668/661×100	120/111×100
pct_pop_gtransfer_f	Percentage of population who received government transfers in the year prior to census among population aged 15+ in private households - Female	100%	Not available	668/661×100	120/111×100
pct_pop_gtransfer_m	Percentage of population who received government transfers in the year prior to census among population aged 15+ in private households - Male	100%	Not available	668/661×100	120/111×100
pct_inc_gtransfer_t	Percentage of total income from government transfer payments among population aged 15+ in private households - Total	100%	151	690	151
pct_inc_gtransfer_f	Percentage of total income from government transfer payments among population aged 15+ in private households - Female	100%	151	690	151
pct_inc_gtransfer_m	Percentage of total income from government transfer payments among population aged 15+ in private households - Male	100%	151	690	151
pct_lico_at_t	Percentage of the population considered low-income based on the low-income cut-off, after tax (LICO-AT) - Total	100%	Not available	867	360

pct_lico_at_f	Percentage of the population considered low-income based on the low-income cut-off, after tax (LICO-AT) - Female	100%	Not available	867	360
pct_lico_at_m	Percentage of the population considered low-income based on the low-income cut-off, after tax (LICO-AT) - Male	100%	Not available	867	360
pct_lim_at_t	Percentage of the population considered low-income based on the low-income measure, after tax (LIM-AT) - Total	100%	345	857	345
pct_lim_at_f	Percentage of the population considered low-income based on the low-income measure, after tax (LIM-AT) - Female	100%	345	857	345
pct_lim_at_m	Percentage of the population considered low-income based on the low-income measure, after tax (LIM-AT) - Male	100%	345	857	345
gini_index	Gini index on adjusted household after-tax income	100%	Not available	Not available	381
pct_non_immig_t	Percentage of non-immigrants - Total	25%	1528/1527×100	1141/1140×100	1528/1527×100
pct_non_immig_f	Percentage of non-immigrants - Female	25%	1528/1527×100	1141/1140×100	1528/1527×100
pct_non_immig_m	Percentage of non-immigrants - Male	25%	1528/1527×100	1141/1140×100	1528/1527×100
pct_immig_t	Percentage of immigrants - Total	25%	1529/1527×100	1142/1140×100	1529/1527×100
pct_immig_f	Percentage of immigrants - Female	25%	1529/1527×100	1142/1140×100	1529/1527×100
pct_immig_m	Percentage of immigrants - Male	25%	1529/1527×100	1142/1140×100	1529/1527×100
pct_non_pr_t	Percentage of non-permanent residents - Total	25%	1537/1527×100	1150/1140×100	1537/1527×100
pct_non_pr_f	Percentage of non-permanent residents - Female	25%	1537/1527×100	1150/1140×100	1537/1527×100
pct_non_pr_m	Percentage of non-permanent residents - Male	25%	1537/1527×100	1150/1140×100	1537/1527×100
pct_recent_immig_t	Percentage of recent immigrants (arrived within 5 years prior to Census) - Total	25%	1536/1527×100	1149/1140×100	1536/1527×100
pct_recent_immig_f	Percentage of recent immigrants (arrived within 5 years prior to Census) - Female	25%	1536/1527×100	1149/1140×100	1536/1527×100
pct_recent_immig_m	Percentage of recent immigrants (arrived within 5 years prior to Census) - Male	25%	1536/1527×100	1149/1140×100	1536/1527×100
pct_indigenous_t	Percentage of population who self-identify as Indigenous - Total	25%	1403/1402×100	1290/1289×100	1403/1402×100
pct_indigenous_f	Percentage of population who self-identify as Indigenous - Female	25%	1403/1402×100	1290/1289×100	1403/1402×100

pct_indigenous_m	Percentage of population who self-identify as Indigenous - Male	25%	1403/1402×100	1290/1289×100	1403/1402×100
pct_vm_t	Percentage of population who self-identify as a visible minority - Total	25%	1684/1683×100	1324/1323×100	1684/1683×100
pct_vm_f	Percentage of population who self-identify as a visible minority - Female	25%	1684/1683×100	1324/1323×100	1684/1683×100
pct_vm_m	Percentage of population who self-identify as a visible minority - Male	25%	1684/1683×100	1324/1323×100	1684/1683×100
pct_south_asian_t	Percentage of South Asians - Total	25%	1685/1683×100	1325/1323×100	1685/1683×100
pct_south_asian_f	Percentage of South Asians - Female	25%	1685/1683×100	1325/1323×100	1685/1683×100
pct_south_asian_m	Percentage of South Asians - Male	25%	1685/1683×100	1325/1323×100	1685/1683×100
pct_east_asian_t	Percentage of East Asians - Total	25%	(1686+1693+1694)/1683×100	(1326+1333+1334)/1323×100	(1686+1693+1694)/1683×100
pct_east_asian_f	Percentage of East Asians - Female	25%	(1686+1693+1694)/1683×100	(1326+1333+1334)/1323×100	(1686+1693+1694)/1683×100
pct_east_asian_m	Percentage of East Asians - Male	25%	(1686+1693+1694)/1683×100	(1326+1333+1334)/1323×100	(1686+1693+1694)/1683×100
pct_black_t	Percentage of Black - Total	25%	1687/1683×100	1327/1323×100	1687/1683×100
pct_black_f	Percentage of Black - Female	25%	1687/1683×100	1327/1323×100	1687/1683×100
pct_black_m	Percentage of Black - Male	25%	1687/1683×100	1327/1323×100	1687/1683×100
pct_southeast_asian_t	Percentage of Southeast Asian - Total	25%	(1688+1691)/1683×100	(1328+1331)/1323×100	(1688+1691)/1683×100
pct_southeast_asian_f	Percentage of Southeast Asian - Female	25%	(1688+1691)/1683×100	(1328+1331)/1323×100	(1688+1691)/1683×100
pct_southeast_asian_m	Percentage of Southeast Asian - Male	25%	(1688+1691)/1683×100	(1328+1331)/1323×100	(1688+1691)/1683×100
pct_latin_american_t	Percentage of Latin American - Total	25%	1690/1683×100	1329/1323×100	1690/1683×100
pct_latin_american_f	Percentage of Latin American - Female	25%	1690/1683×100	1329/1323×100	1690/1683×100
pct_latin_american_m	Percentage of Latin American - Male	25%	1690/1683×100	1329/1323×100	1690/1683×100
pct_middle_eastern_t	Percentage of Middle Eastern - Total	25%	(1689+1692)/1683×100	(1330+1332)/1323×100	(1689+1692)/1683×100
pct_middle_eastern_f	Percentage of Middle Eastern - Female	25%	(1689+1692)/1683×100	(1330+1332)/1323×100	(1689+1692)/1683×100
pct_middle_eastern_m	Percentage of Middle Eastern - Male	25%	(1689+1692)/1683×100	(1330+1332)/1323×100	(1689+1692)/1683×100
pct_apartment_5plus	Percentage of occupied dwellings that are apartment buildings with five or more storeys	100%	47/41×100	43/41×100	47/41×100
pct_major_repair	Percentage of occupied dwellings that need major repairs	25%	1451/1449×100	1653/1651×100	1451/1449×100
pct_mover_1y_t	Percentage of movers within 1 year prior to Census - Total	25%	1976/1974×100	2232/2230×100	1976/1974×100
pct_mover_1y_f	Percentage of movers within 1 year prior to Census - Female	25%	1976/1974×100	2232/2230×100	1976/1974×100

pct_mover_1y_m	Percentage of movers within 1 year prior to Census - Male	25%	1976/1974×100	2232/2230×100	1976/1974×100
pct_mover_5y_t	Percentage of movers within 5 years prior to Census - Total	25%	1985/1983×100	2241/2239×100	1985/1983×100
pct_mover_5y_f	Percentage of movers within 5 years prior to Census - Female	25%	1985/1983×100	2241/2239×100	1985/1983×100
pct_mover_5y_m	Percentage of movers within 5 years prior to Census - Male	25%	1985/1983×100	2241/2239×100	1985/1983×100
pct_not_suitable	Percentage of private households living in not suitable accomodations	25%	1439/1437×100	1642/1640×100	1439/1437×100
pct_shelter_cost_30plus_tenant	Percentage of tenant households spending 30% or more of income on shelter costs	25%	1492	1680	1492
pct_shelter_cost_30plus_owner	Percentage of owner households spending 30% or more of income on shelter costs	25%	1484	1673	1484
pct_shelter_cost_30plus_tenant_owner	Percentage of owner and tenants households spending 30% or more of income on shelter costs	25%	1467/1465×100	1669/1667×100	1467/1465×100
med_dwelling_value	Median value of owned dwellings	25%	1488	1676	1488
mean_dwelling_value	Average value of owned dwellings	25%	1489	1677	1489
pct_owner	Percentage of households who are tenure owner	25%	1415/1414×100	1618/1617×100	1415/1414×100
pct_renter	Percentage of households who are tenure renter	25%	1416/1414×100	1619/1617×100	1416/1414×100
pct_band_housing	Percentage of households in band housing	25%	1417/1414×100	1620/1617×100	1417/1414×100
pct_no_diploma_t	Percentage of the population aged 15+ wihtout a high school diploma or equivalent - Total	25%	1993/1998×100	1684/1683×100	1993/1998×100
pct_no_diploma_f	Percentage of the population aged 15+ wihtout a high school diploma or equivalent - Female	25%	1993/1998×100	1684/1683×100	1993/1998×100
pct_no_diploma_m	Percentage of the population aged 15+ wihtout a high school diploma or equivalent - Male	25%	1993/1998×100	1684/1683×100	1993/1998×100
pct_uni_diploma_t	Percentage of the population aged 15+ with university certificate, diploma or degree at bachelor level or above - Total	25%	2008/1998×100	1692/1683×100	2008/1998×100
pct_uni_diploma_f	Percentage of the population aged 15+ with university certificate, diploma or degree at bachelor level or above - Female	25%	2008/1998×100	1692/1683×100	2008/1998×100
pct_uni_diploma_m	Percentage of the population aged 15+ with university certificate, diploma or degree at bachelor level or above - Male	25%	2008/1998×100	1692/1683×100	2008/1998×100

pct_cip_education_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Education - Total	25%	2032/2030×100	1715/1713×100	2032/2030×100
pct_cip_education_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Education - Female	25%	2032/2030×100	1715/1713×100	2032/2030×100
pct_cip_education_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Education - Male	25%	2032/2030×100	1715/1713×100	2032/2030×100
pct_cip_art_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Visual and performing arts, and communications technologies - Total	25%	2034/2030×100	1717/1713×100	2034/2030×100
pct_cip_art_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Visual and performing arts, and communications technologies - Female	25%	2034/2030×100	1717/1713×100	2034/2030×100
pct_cip_art_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Visual and performing arts, and communications technologies - Male	25%	2034/2030×100	1717/1713×100	2034/2030×100
pct_cip_humanities_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Humanities - Total	25%	2037/2030×100	1720/1713×100	2037/2030×100
pct_cip_humanities_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Humanities - Female	25%	2037/2030×100	1720/1713×100	2037/2030×100
pct_cip_humanities_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Humanities - Male	25%	2037/2030×100	1720/1713×100	2037/2030×100
pct_cip_social_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Social and behavioural sciences and law - Total	25%	2046/2030×100	1729/1713×100	2046/2030×100
pct_cip_social_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Social and behavioural sciences and law - Female	25%	2046/2030×100	1729/1713×100	2046/2030×100

pct_cip_social_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Social and behavioural sciences and law - Male	25%	2046/2030×100	1729/1713×100	2046/2030×100
pct_cip_buisiness_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Business, management and public administration - Total	25%	2054/2030×100	1737/1713×100	2054/2030×100
pct_cip_buisiness_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Business, management and public administration - Female	25%	2054/2030×100	1737/1713×100	2054/2030×100
pct_cip_buisiness_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Business, management and public administration - Male	25%	2054/2030×100	1737/1713×100	2054/2030×100
pct_cip_physical_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Physical and life sciences and technologies - Total	25%	2058/2030×100	1741/1713×100	2058/2030×100
pct_cip_physical_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Physical and life sciences and technologies - Female	25%	2058/2030×100	1741/1713×100	2058/2030×100
pct_cip_physical_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Physical and life sciences and technologies - Male	25%	2058/2030×100	1741/1713×100	2058/2030×100
pct_cip_math_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Mathematics, computer and information sciences - Total	25%	2064/2030×100	1747/1713×100	2064/2030×100
pct_cip_math_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Mathematics, computer and information sciences - Female	25%	2064/2030×100	1747/1713×100	2064/2030×100
pct_cip_math_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Mathematics, computer and information sciences - Male	25%	2064/2030×100	1747/1713×100	2064/2030×100

pct_cip_architecture_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Architecture, engineering, and related technologies - Total	25%	2069/2030×100	1752/1713×100	2069/2030×100
pct_cip_architecture_f	The percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Architecture, engineering, and related technologies - Female	25%	2069/2030×100	1752/1713×100	2069/2030×100
pct_cip_architecture_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Architecture, engineering, and related technologies - Male (25% sample data)	25%	2069/2030×100	1752/1713×100	2069/2030×100
pct_cip_agriculture_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Agriculture, natural resources and conservation - Total	25%	2077/2030×100	1760/1713×100	2077/2030×100
pct_cip_agriculture_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Agriculture, natural resources and conservation - Female	25%	2077/2030×100	1760/1713×100	2077/2030×100
pct_cip_agriculture_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Agriculture, natural resources and conservation - Male	25%	2077/2030×100	1760/1713×100	2077/2030×100
pct_cip_health_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Health and related fields - Total	25%	2080/2030×100	1763/1713×100	2080/2030×100
pct_cip_health_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Health and related fields - Female	25%	2080/2030×100	1763/1713×100	2080/2030×100
pct_cip_health_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Health and related fields - Male	25%	2080/2030×100	1763/1713×100	2080/2030×100
pct_cip_personal_t	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Personal, protective and transportation services - Total	25%	2086/2030×100	1767/1713×100	2086/2030×100

pct_cip_personal_f	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Personal, protective and transportation services - Female	25%	2086/2030×100	1767/1713×100	2086/2030×100
pct_cip_personal_m	Percentage of population aged 15+ whose major filed of study, by Classification of Instructional Programs (CIP), is Personal, protective and transportation services - Male	25%	2086/2030×100	1767/1713×100	2086/2030×100
pct_lf_participation_t	Labour force participation rate - Total	25%	2228	1870	2228
pct_lf_participation_f	Labour force participation rate - Female	25%	2228	1870	2228
pct_lf_participation_m	Labour force participation rate - Male	25%	2228	1870	2228
pct_emp_t	Employment rate in population aged 15+ - Total	25%	2229	1871	2229
pct_emp_f	Employment rate in population aged 15+ - Female	25%	2229	1871	2229
pct_emp_m	Employment rate in population aged 15+ - Male	25%	2229	1871	2229
pct_unemp_t	Unemployment rate in population aged 15+ - Total	25%	2230	1872	2230
pct_unemp_f	Unemployment rate in population aged 15+ - Female	25%	2230	1872	2230
pct_unemp_m	Unemployment rate in population aged 15+ - Male	25%	2230	1872	2230
pct_self_emp_t	Percentage of labour force aged 15+ who are self-employed - Total	25%	2245/2237×100	1883/1879×100	2245/2237×100
pct_self_emp_f	Percentage of labour force aged 15+ who are self-employed - Female	25%	2245/2237×100	1883/1879×100	2245/2237×100
pct_self_emp_m	Percentage of labour force aged 15+ who are self-employed - Male	25%	2245/2237×100	1883/1879×100	2245/2237×100
pct_noc_0_t	Percentage of labour force aged 15+ in Management occupations (NOC 0) - Total	25%	2249/2246×100	1887/1884×100	2249/2246×100
pct_noc_0_f	Percentage of labour force aged 15+ in Management occupations (NOC 0) - Female	25%	2249/2246×100	1887/1884×100	2249/2246×100
pct_noc_0_m	Percentage of labour force aged 15+ in Management occupations (NOC 0) - Male	25%	2249/2246×100	1887/1884×100	2249/2246×100
pct_noc_1_t	Percentage of labour force aged 15+ in Business, finance and administration occupations occupations (NOC 1) - Total	25%	2250/2246×100	1888/1884×100	2250/2246×100
pct_noc_1_f	Percentage of labour force aged 15+ in Business, finance and administration occupations occupations (NOC 1) - Female	25%	2250/2246×100	1888/1884×100	2250/2246×100

pct_noc_1_m	Percentage of labour force aged 15+ in Business, finance and administration occupations occupations (NOC 1) - Male	25%	2250/2246×100	1888/1884×100	2250/2246×100
pct_noc_2_t	Percentage of labour force aged 15+ in Natural and applied sciences and related occupations occupations (NOC 2) - Total	25%	2251/2246×100	1889/1884×100	2251/2246×100
pct_noc_2_f	Percentage of labour force aged 15+ in Natural and applied sciences and related occupations occupations (NOC 2) - Female	25%	2251/2246×100	1889/1884×100	2251/2246×100
pct_noc_2_m	Percentage of labour force aged 15+ in Natural and applied sciences and related occupations occupations (NOC 2) - Male	25%	2251/2246×100	1889/1884×100	2251/2246×100
pct_noc_3_t	Percentage of labour force aged 15+ in health occupations (NOC 3) - Total	25%	2252/2246×100	1890/1884×100	2252/2246×100
pct_noc_3_f	Percentage of labour force aged 15+ in health occupations (NOC 3) - Female	25%	2252/2246×100	1890/1884×100	2252/2246×100
pct_noc_3_m	Percentage of labour force aged 15+ in health occupations (NOC 3) - Male	25%	2252/2246×100	1890/1884×100	2252/2246×100
pct_noc_4_t	Percentage of labour force aged 15+ in education, law and social, community and government services occupations (NOC 4) - Total	25%	2253/2246×100	1891/1884×100	2253/2246×100
pct_noc_4_f	The percentage of people aged 15+ in education, law and social, community and government services occupations (NOC 4) - Female	25%	2253/2246×100	1891/1884×100	2253/2246×100
pct_noc_4_m	Percentage of labour force aged 15+ in education, law and social, community and government services occupations (NOC 4) - Male	25%	2253/2246×100	1891/1884×100	2253/2246×100
pct_noc_5_t	Percentage of labour force aged 15+ in art, culture, recreation and sport occupations (NOC 5) - Total	25%	2254/2246×100	1892/1884×100	2254/2246×100
pct_noc_5_f	Percentage of labour force aged 15+ in art, culture, recreation and sport occupations (NOC 5) - Female	25%	2254/2246×100	1892/1884×100	2254/2246×100
pct_noc_5_m	Percentage of labour force aged 15+ in art, culture, recreation and sport occupations (NOC 5) - Male	25%	2254/2246×100	1892/1884×100	2254/2246×100
pct_noc_6_t	Percentage of labour force aged 15+ in sales and service occupations (NOC 6) - Total	25%	2255/2246×100	1893/1884×100	2255/2246×100
pct_noc_6_f	Percentage of labour force aged 15+ in sales and service occupations (NOC 6) - Female	25%	2255/2246×100	1893/1884×100	2255/2246×100
pct_noc_6_m	Percentage of labour force aged 15+ in sales and service occupations (NOC 6) - Male	25%	2255/2246×100	1893/1884×100	2255/2246×100

pct_noc_7_t	Percentage of labour force aged 15+ in trades, transport and equipment operators and related occupations (NOC 7) - Total	25%	2256/2246×100	1894/1884×100	2256/2246×100
pct_noc_7_f	Percentage of labour force aged 15+ in trades, transport and equipment operators and related occupations (NOC 7) - Female	25%	2256/2246×100	1894/1884×100	2256/2246×100
pct_noc_7_m	Percentage of labour force aged 15+ in trades, transport and equipment operators and related occupations (NOC 7) - Male	25%	2256/2246×100	1894/1884×100	2256/2246×100
pct_noc_8_t	Percentage of labour force aged 15+ in natural resources, agriculture and related production occupations (NOC 8) - Total	25%	2257/2246×100	1895/1884×100	2257/2246×100
pct_noc_8_f	Percentage of labour force aged 15+ in natural resources, agriculture and related production occupations (NOC 8) - Female	25%	2257/2246×100	1895/1884×100	2257/2246×100
pct_noc_8_m	Percentage of labour force aged 15+ in natural resources, agriculture and related production occupations (NOC 8) - Male	25%	2257/2246×100	1895/1884×100	2257/2246×100
pct_noc_9_t	Percentage of labour force aged 15+ in manufacturing and utilities occupations (NOC 9) - Total	25%	2258/2246×100	1896/1884×100	2258/2246×100
pct_noc_9_f	Percentage of labour force aged 15+ in manufacturing and utilities occupations (NOC 9) - Female	25%	2258/2246×100	1896/1884×100	2258/2246×100
pct_noc_9_m	Percentage of labour force aged 15+ in manufacturing and utilities occupations (NOC 9) - Male	25%	2258/2246×100	1896/1884×100	2258/2246×100
pct_naics_11_t	Percentage of labour force aged 15+ in agriculture, forestry, fishing and hunting industry (NAICS 11) - Total	25%	2262/2259×100	1900/1897×100	2262/2259×100
pct_naics_11_f	Percentage of labour force aged 15+ in agriculture, forestry, fishing and hunting industry (NAICS 11) - Female	25%	2262/2259×100	1900/1897×100	2262/2259×100
pct_naics_11_m	Percentage of labour force aged 15+ in agriculture, forestry, fishing and hunting industry (NAICS 11) - Male	25%	2262/2259×100	1900/1897×100	2262/2259×100
pct_naics_21_t	Percentage of labour force aged 15+ in mining, quarrying, and oil and gas extraction industry (NAICS 21) - Total	25%	2263/2259×100	1901/1897×100	2263/2259×100
pct_naics_21_f	Percentage of labour force aged 15+ in mining, quarrying, and oil and gas extraction industry (NAICS 21) - Female	25%	2263/2259×100	1901/1897×100	2263/2259×100

pct_naics_21_m	Percentage of labour force aged 15+ in mining, quarrying, and oil and gas extraction industry (NAICS 21) - Male	25%	2263/2259×100	1901/1897×100	2263/2259×100
pct_naics_22_t	Percentage of labour force aged 15+ in utilities industry (NAICS 22) - Total	25%	2264/2259×100	1902/1897×100	2264/2259×100
pct_naics_22_f	Percentage of labour force aged 15+ in utilities industry (NAICS 22) - Female	25%	2264/2259×100	1902/1897×100	2264/2259×100
pct_naics_22_m	Percentage of labour force aged 15+ in utilities industry (NAICS 22) - Male	25%	2264/2259×100	1902/1897×100	2264/2259×100
pct_naics_23_t	Percentage of labour force aged 15+ in construction industry (NAICS 23) - Total	25%	2265/2259×100	1903/1897×100	2265/2259×100
pct_naics_23_f	Percentage of labour force aged 15+ in construction industry (NAICS 23) - Female	25%	2265/2259×100	1903/1897×100	2265/2259×100
pct_naics_23_m	Percentage of labour force aged 15+ in construction industry (NAICS 23) - Male	25%	2265/2259×100	1903/1897×100	2265/2259×100
pct_naics_31to33_t	Percentage of labour force aged 15+ in manufacturing industry (NAICS 31-33) - Total	25%	2266/2259×100	1904/1897×100	2266/2259×100
pct_naics_31to33_f	Percentage of labour force aged 15+ in manufacturing industry (NAICS 31-33) - Female	25%	2266/2259×100	1904/1897×100	2266/2259×100
pct_naics_31to33_m	Percentage of labour force aged 15+ in manufacturing industry (NAICS 31-33) - Male	25%	2266/2259×100	1904/1897×100	2266/2259×100
pct_naics_41_t	Percentage of labour force aged 15+ in wholesale trade industry (NAICS 41) - Total	25%	2267/2259×100	1905/1897×100	2267/2259×100
pct_naics_41_f	Percentage of labour force aged 15+ in wholesale trade industry (NAICS 41) - Female	25%	2267/2259×100	1905/1897×100	2267/2259×100
pct_naics_41_m	Percentage of labour force aged 15+ in wholesale trade industry (NAICS 41) - Male	25%	2267/2259×100	1905/1897×100	2267/2259×100
pct_naics_44to45_t	Percentage of labour force aged 15+ in retail trade industry (NAICS 44-45) - Total	25%	2268/2259×100	1906/1897×100	2268/2259×100
pct_naics_44to45_f	Percentage of labour force aged 15+ in retail trade industry (NAICS 44-45) - Female	25%	2268/2259×100	1906/1897×100	2268/2259×100
pct_naics_44to45_m	Percentage of labour force aged 15+ in retail trade industry (NAICS 44-45) - Male	25%	2268/2259×100	1906/1897×100	2268/2259×100
pct_naics_48to49_t	Percentage of labour force aged 15+ in transportation and warehousing industry (NAICS 48-49) - Total	25%	2269/2259×100	1907/1897×100	2269/2259×100
pct_naics_48to49_f	Percentage of labour force aged 15+ in transportation and warehousing industry (NAICS 48-49) - Female	25%	2269/2259×100	1907/1897×100	2269/2259×100

pct_naics_48to49_m	Percentage of labour force aged 15+ in transportation and warehousing industry (NAICS 48-49) - Male	25%	2269/2259×100	1907/1897×100	2269/2259×100
pct_naics_51_t	Percentage of labour force aged 15+ in information and cultural industries (NAICS 51) - Total	25%	2270/2259×100	1908/1897×100	2270/2259×100
pct_naics_51_f	Percentage of labour force aged 15+ in information and cultural industries (NAICS 51) - Female	25%	2270/2259×100	1908/1897×100	2270/2259×100
pct_naics_51_m	Percentage of labour force aged 15+ in information and cultural industries (NAICS 51) - Male	25%	2270/2259×100	1908/1897×100	2270/2259×100
pct_naics_52_t	Percentage of labour force aged 15+ in finance and insurance industry (NAICS 52) - Total	25%	2271/2259×100	1909/1897×100	2271/2259×100
pct_naics_52_f	Percentage of labour force aged 15+ in finance and insurance industry (NAICS 52) - Female	25%	2271/2259×100	1909/1897×100	2271/2259×100
pct_naics_52_m	Percentage of labour force aged 15+ in finance and insurance industry (NAICS 52) - Male	25%	2271/2259×100	1909/1897×100	2271/2259×100
pct_naics_53_t	Percentage of labour force aged 15+ in real estate and rental and leasing industry (NAICS 53) - Total	25%	2272/2259×100	1910/1897×100	2272/2259×100
pct_naics_53_f	Percentage of labour force aged 15+ in real estate and rental and leasing industry (NAICS 53) - Female	25%	2272/2259×100	1910/1897×100	2272/2259×100
pct_naics_53_m	Percentage of labour force aged 15+ in real estate and rental and leasing industry (NAICS 53) - Male	25%	2272/2259×100	1910/1897×100	2272/2259×100
pct_naics_54_t	Percentage of labour force aged 15+ in professional, scientific and technical services industry (NAICS 54) - Total	25%	2273/2259×100	1911/1897×100	2273/2259×100
pct_naics_54_f	Percentage of labour force aged 15+ in professional, scientific and technical services industry (NAICS 54) - Female	25%	2273/2259×100	1911/1897×100	2273/2259×100
pct_naics_54_m	Percentage of labour force aged 15+ in professional, scientific and technical services industry (NAICS 54) - Male	25%	2273/2259×100	1911/1897×100	2273/2259×100
pct_naics_55_t	Percentage of labour force aged 15+ in management of companies and enterprises industry (NAICS 55) - Total	25%	2274/2259×100	1912/1897×100	2274/2259×100
pct_naics_55_f	Percentage of labour force aged 15+ in management of companies and enterprises industry (NAICS 55) - Female	25%	2274/2259×100	1912/1897×100	2274/2259×100
pct_naics_55_m	Percentage of labour force aged 15+ in management of companies and enterprises industry (NAICS 55) - Male	25%	2274/2259×100	1912/1897×100	2274/2259×100

pct_naics_56_t	Percentage of labour force aged 15+ in administrative and support, waste management and remediation services industry (NAICS 56) - Total	25%	2275/2259×100	1913/1897×100	2275/2259×100
pct_naics_56_f	Percentage of labour force aged 15+ in administrative and support, waste management and remediation services industry (NAICS 56) - Female	25%	2275/2259×100	1913/1897×100	2275/2259×100
pct_naics_56_m	Percentage of labour force aged 15+ in administrative and support, waste management and remediation services industry (NAICS 56) - Male	25%	2275/2259×100	1913/1897×100	2275/2259×100
pct_naics_61_t	Percentage of labour force aged 15+ in educational services industry (NAICS 61) - Total	25%	2276/2259×100	1914/1897×100	2276/2259×100
pct_naics_61_f	Percentage of labour force aged 15+ in educational services industry (NAICS 61) - Female	25%	2276/2259×100	1914/1897×100	2276/2259×100
pct_naics_61_m	Percentage of labour force aged 15+ in educational services industry (NAICS 61) - Male	25%	2276/2259×100	1914/1897×100	2276/2259×100
pct_naics_62_t	Percentage of labour force aged 15+ in health care and social assistance industry (NAICS 62) - Total	25%	2277/2259×100	1915/1897×100	2277/2259×100
pct_naics_62_f	Percentage of labour force aged 15+ in health care and social assistance industry (NAICS 62) - Female	25%	2277/2259×100	1915/1897×100	2277/2259×100
pct_naics_62_m	Percentage of labour force aged 15+ in health care and social assistance industry (NAICS 62) - Male	25%	2277/2259×100	1915/1897×100	2277/2259×100
pct_naics_71_t	Percentage of labour force aged 15+ in arts, entertainment and recreation industry (NAICS 71) - Total	25%	2278/2259×100	1916/1897×100	2278/2259×100
pct_naics_71_f	Percentage of labour force aged 15+ in arts, entertainment and recreation industry (NAICS 71) - Female	25%	2278/2259×100	1916/1897×100	2278/2259×100
pct_naics_71_m	Percentage of labour force aged 15+ in arts, entertainment and recreation industry (NAICS 71) - Male	25%	2278/2259×100	1916/1897×100	2278/2259×100
pct_naics_72_t	Percentage of labour force aged 15+ in accommodation and food services industry (NAICS 72) - Total	25%	2279/2259×100	1917/1897×100	2279/2259×100
pct_naics_72_f	Percentage of labour force aged 15+ in accommodation and food services industry (NAICS 72) - Female	25%	2279/2259×100	1917/1897×100	2279/2259×100
pct_naics_72_m	Percentage of labour force aged 15+ in accommodation and food services industry (NAICS 72) - Male	25%	2279/2259×100	1917/1897×100	2279/2259×100

pct_naics_81_t	Percentage of labour force aged 15+ in other services (except public administration) industry (NAICS 81) - Total	25%	2280/2259×100	1918/1897×100	2280/2259×100
pct_naics_81_f	Percentage of labour force aged 15+ in other services (except public administration) industry (NAICS 81) - Female	25%	2280/2259×100	1918/1897×100	2280/2259×100
pct_naics_81_m	Percentage of labour force aged 15+ in other services (except public administration) industry (NAICS 81) - Male	25%	2280/2259×100	1918/1897×100	2280/2259×100
pct_naics_91_t	Percentage of labour force aged 15+ in public administration industry (NAICS 91) - Total	25%	2281/2259×100	1919/1897×100	2281/2259×100
pct_naics_91_f	Percentage of labour force aged 15+ in public administration industry (NAICS 91) - Female	25%	2281/2259×100	1919/1897×100	2281/2259×100
pct_naics_91_m	Percentage of labour force aged 15+ in public administration industry (NAICS 91) - Male	25%	2281/2259×100	1919/1897×100	2281/2259×100

Notes: ¹The sample from which the variable is derived. The sample can be 100% (from long-form census) or 25% (from short-form census). ²We have assigned the Profile IDs for year 2011 as Census Profile 2011 and NHS Profile only provides the characteristics, without an accompanied unique id for them. ³ The 2016 Profile ID is the *Member ID: Profile of Dissemination Areas (2247)* variable in Census Profile 2016. ⁴The 2021 Profile ID is the *CHARACTERISTIC_ID* in Census Profile 2021. ⁵'year' can take 11, 16, and 21, which indicates variables corresponding to 2011, 2016, and 2021 boundaries, respectively. ⁶NA: Not Applicable.