2014 ALBERTA POPULATION NORMS FOR EQ-5D-5L

October 2014

Promoting and improving patient safety and health service quality across Alberta

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INTRODUCTION

Disease specific (e.g., Chronic Heart Failure Questionnaire, Chronic Respiratory Questionnaire) and generic (e.g., EQ-5D-5L, SF-36) health measures have been increasingly used to measure the health status of populations.[1,2,3,4] For individuals with co-morbid chronic conditions, generic health measures have been used to measure health-related quality of life (HRQL).[1,2,3] However, HRQL is influenced by multiple patient[5] and disease factors,[6] and for evaluations to be informative, measures need to be representative of the population for whom the health intervention is being developed or tested.

A common generic measure used in population health assessments is the EuroQol Group's EQ-5D™, a standardized instrument used as a measure of health outcome.[7] The EQ-5D describes the health status of individuals using five dimensions [mobility (MO), self-care (SC), usual activities (UA), pain/discomfort (PD), and anxiety/depression (AD)]. The EQ-5D also utilizes a visual analogue scale (EQ VAS). The EQ VAS records the respondent's self-rated health on a vertical, visual analogue scale, ranging from 0 to 100, where the endpoints are labeled 'worst imaginable health state' and 'best imaginable health state', respectively.

The original version of the instrument, called EQ-5D-3L, has three response categories: no problems, some or moderate problems, and extreme problems, resulting in 243 possible unique health states. There is evidence that the EQ-5D-3L discriminates well between demographic characteristics (age, gender, income, education and various disease-specific variables), but may lack sensitivity or fail to capture important aspects of health in certain disease areas.[8] The EQ-5D-3L is also noted to possess a distinct upper limit for potential responses and a large proportion of participants score at or near this limit (ceiling effect).[9] Recognizing important limitations associated with the EQ-5D-3L, the EuroQol group introduced a five-level version, the EQ-5D-5L. The EQ-5D-5L has the same five dimensions as in the previous three level version but differs in that there are five levels of response (no problems, slight problems, moderate problems, severe problems, extreme problems), resulting in 3125 unique health states. Studies have shown that the new five-level classifier system reduces the ceiling effect and improves the measurement properties.[9] The EQ-5D-5L has shown to have a greater ability to discriminate among different levels of health in cancer patients,[10] and is more useful for describing mild health problems and monitoring population health.[9]

A key aspect of the EQ-5D-5L is the availability of 'value sets' to weight the EQ-5D-5L health states by local patient and population preferences, to calculate EQ-Index scores.[8] These 'value sets' reflect the preferences of the general public in each country, and the resulting EQ-Index score can be used to estimate quality-adjusted life years (QALYs) in economic evaluations of health interventions or innovations. With the introduction of the EQ-5D-5L, the EuroQol Group has invested considerable effort to generate country-specific values sets. Population norms for the EQ-5D-5L exist for some countries.[11] Currently, a Canadian research team is developing a value set for Canada, including preferences for Alberta's general population.[12]

The Health Quality Council of Alberta (HQCA) recently published *Alberta Provincial Norms for the EQ-5D-3L* which reported the EQ-5D-3L profile and index scores for adult males and females in Alberta.[13] This report, *Alberta Provincial Norms for the EQ-5D-5L*, is another contribution to the ongoing effort to document baseline values that can then be used to monitor variations in health using the new 5L tool,

and for describing the health profiles and self-reported health status of the Alberta population, stratified by male, female, and Alberta Health Services (AHS) zones (see Appendix A – Map of AHS zones).

RESEARCH DESIGN AND METHODS

Questionnaire

The HQCA incorporated the EQ-5D-5L in its *2014 Satisfaction and Experience with Healthcare Services* survey.[14] The Population Research Laboratory (PRL) at the University of Alberta reviewed the questionnaire and conducted a pre-test on routing patterns, question wording and flow, adequacy of transitional statements, instructions to interviewers and estimated the length of the interview.[14]

Sampling design

Sampling quotas were drawn from the AHS zones.[14] The sampling quotas are representative of the age and gender composition of each AHS zone and were based on 2013 estimates of the population in each AHS zone provided by the Ministry of Health. Random digit dialing (RDD) was used to ensure that each household had an equal chance of being contacted to participate in the survey. The sampling frame was based on landlines and excluded businesses, unlisted cell phone exchanges and government exchanges. The target population consisted of people who at the time of survey were living in any of the AHS zones (South, Calgary, Central, Edmonton, and North) and could be contacted by direct dialing.[14]

The general rule for participation was random selection of an eligible individual who was 18 years of age or older and resided within a dialed household. In households containing more than one eligible respondent, the person with the next birthday was selected for the survey and if he/she refused, no other individual in the household was screened to participate.[14]

Sampling was adjusted to take into consideration the population size of each AHS zone. Analyses in this report is based on the combined sample from individual AHS zones (N=4,424). Sample weights were applied to correct for over- and under- sampling of the respective AHS zones in order to represent the total Alberta population.[14]

Data collection

A computer-assisted telephone interview (CATI) system was used to allocate telephone numbers to interviewing stations. Data collection occured in centralized CATI facilities from February to April 2014.[14] Interviewers received training on the CATI system and pretested the survey questionnaire prior to data collection. Survey text, questions, and instructions were presented on the computer screen to the interviewer. Interviews were conducted from 9:00 a.m. to 2:30 p.m. and 4:00 p.m. to 9:00 p.m. on weekdays, from 10:00 a.m. to 4:00 p.m. on Saturdays and from 2:00 p.m. to 8:00 p.m. on Sundays. Telephone numbers were dialed at least six times or until final disposition. For individuals who first refused to participate, a specially trained "refusal interviewer" attempted to convert initial refusals into an agreement to participate or called up to eight times to reach potential respondents before coding as "final refusal".[14]

There were 94,849 telephone numbers attempted. Of these 44,648 were coded as no answer, busy,or answering machine. In total, the PRL successfully made contact with 13,940 phone numbers on at least one occasion and conducted 4,424 interviews. This represents a 31.7% survey response rate. An important aspect of the data collection process was to achieve the estimated quotas for each AHS zone. Therefore, several calls were made to achieve this goal, which increased the number of households deemed eligible (i.e., the denominator used for calculating response rate) and reduced the response rate.

Median survey interview duration was 34 minutes. For analytical purposes, 18 respondents (0.4% of sample) with missing data on the EQ-VAS are excluded and the retained study sample is 4,406.

Reporting EQ-5D-5L results

Reporting EQ-5D-5L data depends on investigator preferences and/or anticipated user needs. In this study, the HQCA adopted the EuroQol recommendation for reporting EQ-5D-5L: first, presenting results from the EQ-5D-5L descriptive system as a health profile, and second, presenting results of the EQ VAS as a measure of overall self-rated health status.[15] A third recommendation, presenting results from the EQ-5D-5L index value, is not explored in this study because the algorithms for calculating EQ-5D-5L index scores have yet to be developed for Canada. EuroQol researchers have suggested an interim scoring system of mapping (or 'cross-walking') the EQ-5D-5L to the EQ-5D-3L value sets.[16,17] However, a limitation of this system of mapping is that the range of index values generated is restricted to the range of the respective value set. Thus, the HQCA chose to limit our EQ-5D-5L results to 5D-5L health profile and self-rated health status (EQ VAS). In the appendices, we present EQ-5D-5L results in numerous comparable formats with similar information using the *2012 Satisfaction and Experience with Healthcare Services* survey. In addition, tables and charts similar to those in the *Alberta Provincial Norms for the EQ-5D-3L* report are also presented using the 2014 data.

RESULTS

Profile of respondent sample
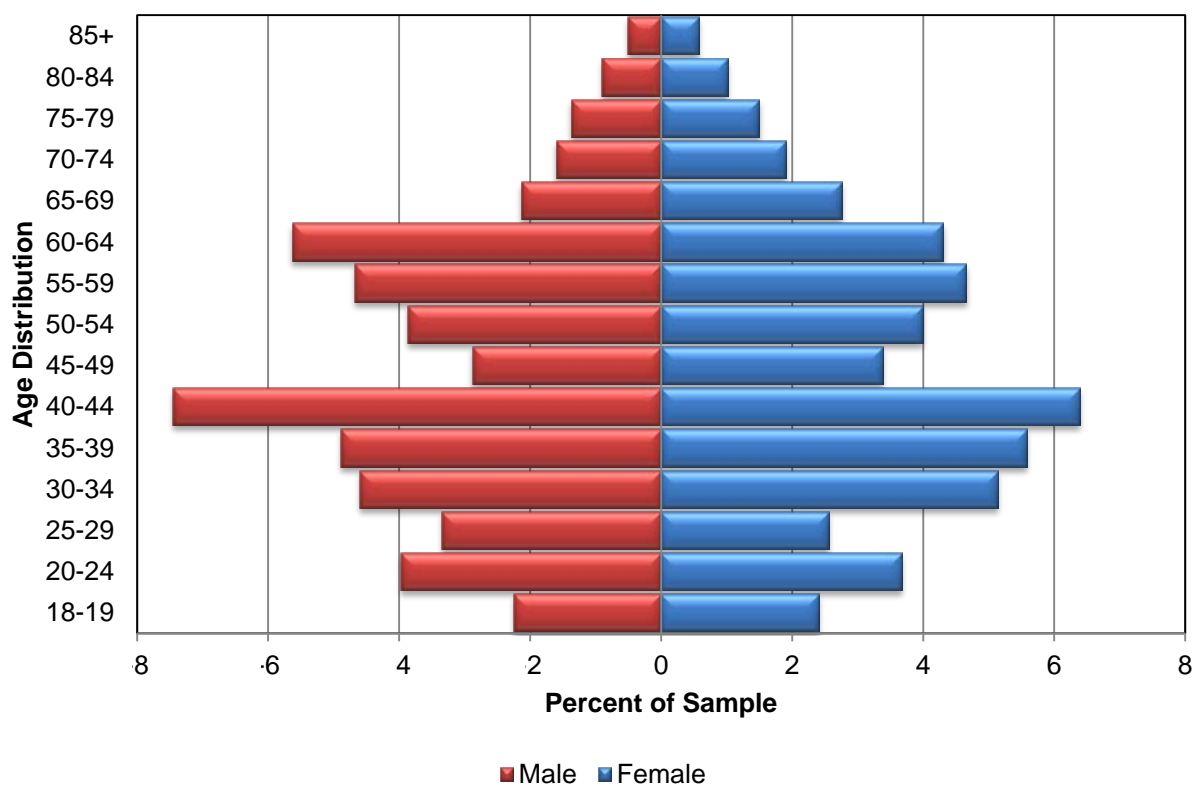
The mean age of the respondents was 46.1 years (standard deviation [SD] 19.7 years)

- 50.1% of the respondents were male (mean age 45.9 [SD 19.1] range 18-95 years)
- 49.9% of the respondents were female (mean age 46.3 [SD 19.9] range 18-98 years)
- The age distributions of females and males were dissimilar (Figure 1)

Figure 1: Age distribution of sample by sex, Alberta (2014)

Health profile of respondents

Table 1 shows the proportion of respondents for each of the EQ-5D-5L levels within each dimension, by age group. The last column (total) presents the population average for each level within each dimension. Level 1 (no problems) is generally the most commonly reported dimension across the age groups, with the exception of the pain/discomfort dimension for respondents aged 50-59, 60-69, 70-79 and 80+ where Level 2 is most common. (See Appendix B for the percentages and corresponding confidence intervals.)

Table 1: Percentage of respondents by EQ-5D-5L dimension and age group, Alberta (2014)

EQ-5D-5L Dimension		AGE GROUP							
		18-29 (%)	30-39 (%)	40-49 (%)	50-59 (%)	60-69 (%)	70-79 (%)	80+ (%)	TOTAL (%)
Mobility	Level 1	90.7	85.7	82.2	71.2	62.8	55.2	50.7	**77.0**
	Level 2	6.8	10.1	11.2	17.9	22.7	24.4	25.5	**14.3**
	Level 3	2.0	2.5	4.4	7.7	9.7	13.5	13.5	**5.8**
	Level 4	0.3	1.2	2.0	2.6	3.5	6.5	8.4	**2.3**
	Level 5	0.2	0.4	0.1	0.6	1.3	0.4	1.9	**0.5**
Self-Care	Level 1	98.5	97.3	94.3	93.0	92.2	91.2	89.5	**94.8**
	Level 2	0.9	1.2	4.0	5.6	4.2	5.1	8.2	**3.4**
	Level 3	0.3	1.2	1.3	1.0	2.5	3.0	0.9	**1.3**
	Level 4	0.3	0	0.1	0	0.5	0	1.5	**0.2**
	Level 5	0	0.3	0.2	0.4	0.7	0.7	0.0	**0.3**
Usual Activities	Level 1	85.6	81.8	81.1	73.2	69.1	64.9	63.8	**77.3**
	Level 2	10.1	12.0	11.2	15.2	19.8	18.9	23.7	**14.0**
	Level 3	3.0	4.4	4.3	8.7	7.7	13.0	11.4	**6.1**
	Level 4	1.0	1.3	1.7	1.4	2.4	1.0	0.9	**1.5**
	Level 5	0.2	0.5	1.7	1.6	1.0	2.1	0.3	**1.0**
Pain/ Discomfort	Level 1	61.8	51.1	43.8	33.8	30.3	25.1	32.6	**43.3**
	Level 2	27.4	31.9	36.9	39.0	41.2	46.7	41.6	**35.6**
	Level 3	8.4	12.0	13.2	20.0	22.0	23.6	19.6	**15.4**
	Level 4	1.6	3.3	4.5	5.7	4.7	3.2	4.3	**3.9**
	Level 5	0.9	1.8	1.6	1.6	2.0	1.4	1.8	**1.6**
Anxiety/ Depression	Level 1	60.7	67.3	66.5	69.5	67.8	75.3	77.0	**67.2**
	Level 2	26.7	22.1	20.8	17.9	19.9	19.9	18.1	**21.3**
	Level 3	9.0	8.8	8.6	10.0	9.6	3.9	4.8	**8.9**
	Level 4	2.3	1.5	2.2	1.9	1.8	0.1	0.3	**1.8**
	Level 5	1.3	0.4	1.8	0.7	0.8	0.9	0	**1.0**

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Table 2 illustrates the count of respondents who reported 'no problems' (Level 1) compared to those who reported 'problems' (levels 2 to 5) by age group. Of all the dimensions, respondents reported problems with pain/discomfort most frequently. In contrast, the least reported problems were in the self-care dimension.

Table 2: Counts of respondents reporting no problems versus problems by EQ-5D-5L dimension and age group, Alberta (2014)

EQ-5D-5L Dimension		AGE GROUP							
		18-29	30-39	40-49	50-59	60-69	70-79	80 +	TOTAL
Mobility	No problems	730	767	727	542	411	156	68	**3,401**
	Problems	75	128	157	219	244	127	66	**1,016**
Self-Care	No problems	794	869	839	708	606	258	119	**4,193**
	Problems	12	24	51	53	52	25	14	**231**
Usual Activities	No problems	690	729	721	556	454	183	85	**3,418**
	Problems	116	163	169	204	203	99	48	**1,002**
Pain/ Discomfort	No problems	498	455	390	257	199	71	43	**1,913**
	Problems	308	436	500	503	458	212	90	**2,507**
Anxiety/ Depression	No Problems	488	599	589	529	442	211	102	**2,960**
	Problems	316	291	296	232	210	69	31	**1,445**

Figure 2 and 3 show the percentage of respondents who reported problems (Levels 2 to 5) for each of the EQ-5D-5L dimensions, by age group. Except for anxiety/depression, people reported more problems for the other four dimensions (mobility, self-care, usual activities, pain/discomfort) as they aged (see Appendix C for more details). Males and females had similar patterns in reporting problems across all five dimensions (see Appendix D for more details).

Figure 2: Percentage of respondents reporting problems by EQ-5D-5L dimension and age, Alberta (2014)
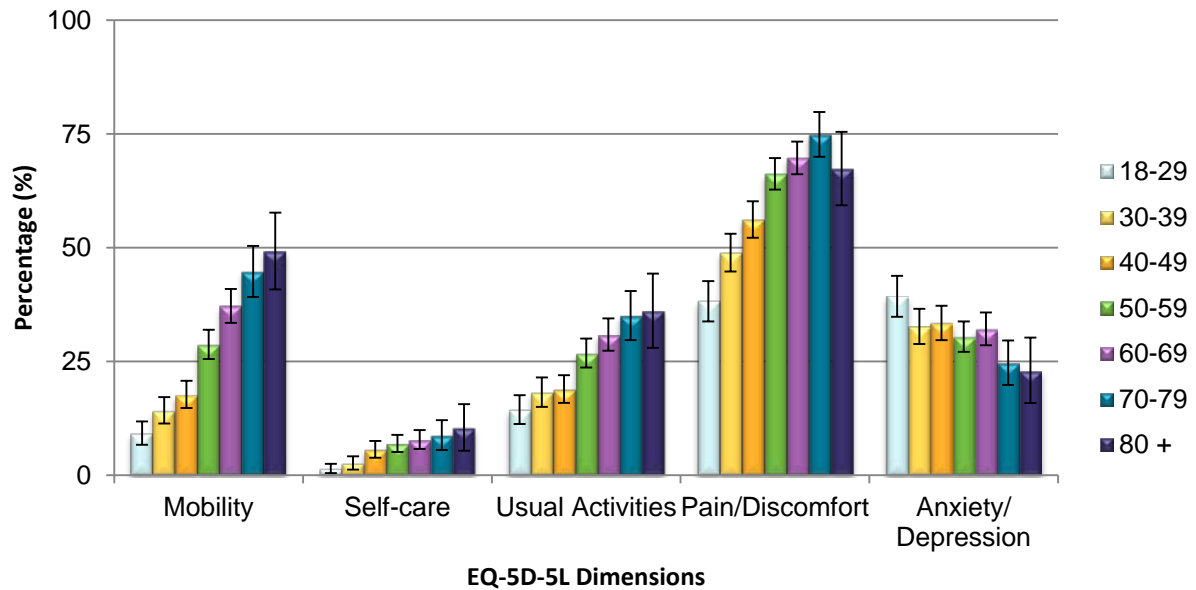
Figure 3: Percentage of respondents reporting problems by EQ-5D-5L dimension and age, Alberta (2014)
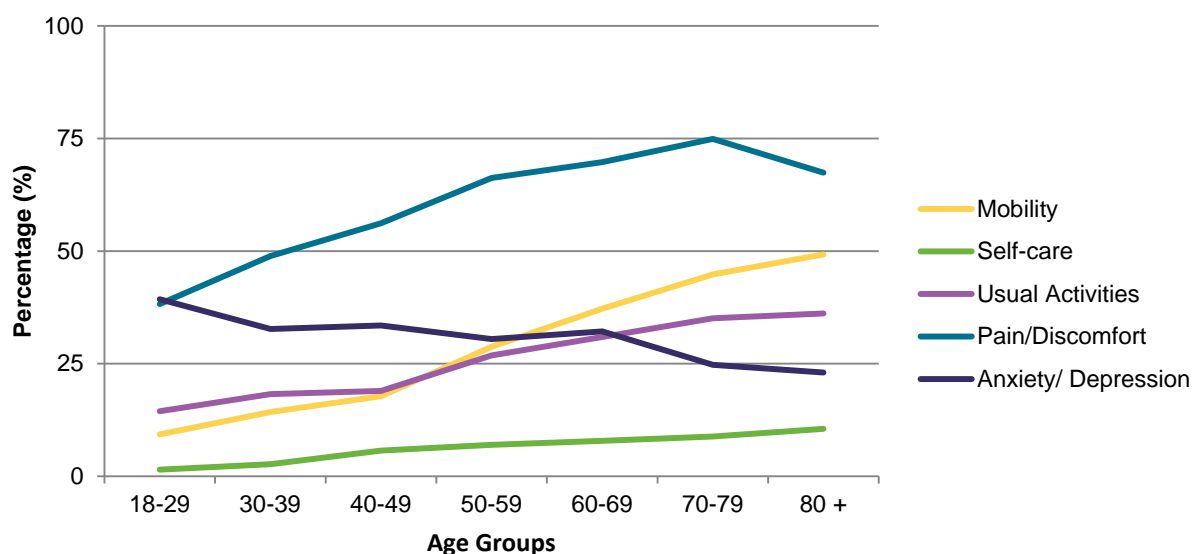
Overall self-rated health status by age group

The EQ-5D-5L self-reported VAS data generates information on the overall health-related quality of life of respondents. In Alberta, the mean EQ VAS ratings decreased with increasing age (Table 3)(see Appendix E for more details). The mean EQ VAS rating reported by males compared to females was similar within each age group (Figure 4). (see Appendix E for more details).

Table 3: EQ VAS, mean, standard deviation, median, percentiles by age, Alberta (2014)

EQ VAS	AGE GROUPS							TOTAL
	18-29	30-39	40-49	50-59	60-69	70-79	80 +	
Mean	81	80	77	77	76	76	76	**78**
Std Dev	14	14	17	17	16	15	16	**16**
Median	85	85	80	80	70	80	80	**80**
25th	75	75	70	70	70	70	70	**72**
75th	90	90	90	90	85	87	85	**90**

Figure 4: Mean population EQ-VAS ratings by age/sex, Alberta (2014)
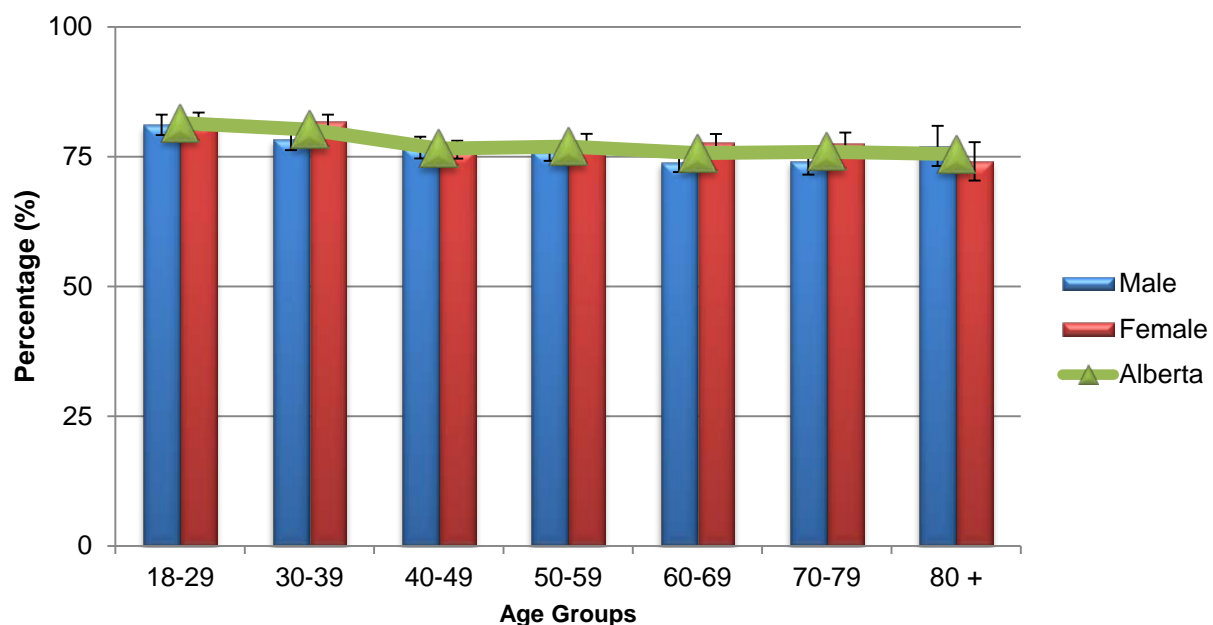
Overall self-rated health status by AHS zone

Table 4 shows the proportion of respondents for each of the EQ-5D-5L Levels within each dimension, by AHS zone. Level 1 (no problems) is the most commonly reported dimension across the AHS zones, and across the dimensions. (See Appendix F for the percentages and corresponding confidence intervals.)

Table 4: Percentage of respondents by EQ-5D-5L dimension and AHS Zone, Alberta (2014)

Mobility	South (%)	CAL (%)	Central (%)	EDM (%)	North (%)
Level 1	74	79	73	78	75
Level 2	14	13	17	13	17
Level 3	9	5	7	6	6
Level 4	3	2	3	3	2
Level 5	1	1	0	1	0
Self-care					
Level 1	93	95	96	95	95
Level 2	5	4	2	3	3
Level 3	2	1	1	1	1
Level 4	1		0	0	0
Level 5	0	1	0	0	0
Usual Activities					
Level 1	74	78	76	79	75
Level 2	15	14	14	13	15
Level 3	9	6	6	5	8
Level 4	2	1	2	2	2
Level 5	1	1	1	1	1
Pain/Discomfort					
Level 1	37	47	42	40	39
Level 2	38	36	34	33	37
Level 3	17	12	18	14	19
Level 4	5	4	4	3	4
Level 5	3	1	1	1	1
Anxiety/Depression					
Level 1	68	68	69	65	65
Level 2	20	21	21	22	23
Level 3	8	8	8	10	9
Level 4	2	1	2	3	2
Level 5	2	1	0	1	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Table 5 illustrates the count of respondents who reported 'no problems' (Level 1) compared to those who reported 'problems' (Levels 2 to 5) by AHS zone. Of all the dimensions, the most number of respondents, among the five AHS zones, to report problems were in the pain/discomfort dimension, and this was the only dimension where the number of respondents reporting problems was greater than those reporting no problems. In contrast, the least number of respondents to report problems, amongst the five AHS zones, were in the self-care dimension.

Table 5: Counts of reported of respondents reporting no problems versus problems by EQ-5D-5L dimension and AHS zone, (2014)

EQ-5D-5L Dimension		AHS Zones					
		South	Calgary	Central	Edmonton	North	TOTAL
Mobility	No Problems	582	777	593	795	602	3,349
	Problems	210	203	219	230	206	1,068
Self-Care	No Problems	738	930	779	975	769	4,191
	Problems	54	53	32	53	40	232
Usual Activites	No Problems	582	767	619	808	603	3,379
	Problems	209	216	191	218	205	1,039
Pain/Discomfort	No Problems	290	458	341	439	317	1,845
	Problems	500	524	471	587	491	2,573
Anxiety/Depression	No Problems	539	669	561	669	528	2,966
	Problems	249	308	250	355	279	1,441

EQ VAS, mean, standard deviation, median, percentiles by AHS zone

Table 6 displays the mean EQ VAS ratings for respondents across the five AHS zones. The results are statistically similar across the zones (see Appendix G for more details).

Table 6: EQ VAS, mean, standard deviation, median, percentiles by AHS zone, (2014)

EQ VAS	AHS Zone					
	South	Calgary	Central	Edmonton	North	TOTAL
Mean	78	79	78	77	77	78
Std Dev	17	15	16	17	17	16
Median	80	80	80	80	80	80
25th	75	75	70	70	70	72
75th	90	90	90	90	90	90

GOING FORWARD

The HQCA recognized in its 2014 *Primary Healthcare Measurement Initiative Report*,[18] that the systematic measurement of primary healthcare quality begins by measuring its impact on health – restoration or maintenance of functional health. Routinely capturing disease-specific and generic health outcome measures makes it possible for performance to be tracked and compared for both similar and diverse healthcare interventions. The benefits of a generic health outcomes measure go beyond primary healthcare to encompase the entire healthcare system; anywhere there is a need tomeasure health outcomes. At the front line, health outcome measures can be valuable in the overall assessment of the patient, and may increase the detection of functional problems; improving the care physcans and healthcare teams give their patients.[19] At a clinical and program level, this information can be used for the evaluation of innovations in healthcare delivery and performance. At a system level, measurement of healthcare quality and health outcomes is essential to determining health service quality and value received for public expenditure on services.

The EQ-5D-5L is increasingly being used to inform health policy and decision-making.[20,21] It is designed to describe differing health states as they apply to individuals based on five health dimenions and five self-reported levels of impairment/problems. Additionally, its usefulness stems from it being relatively brief (taking only a few minutes to complete), easy to 'add-on' to existing survey? instruments, capable of producing a single index which can be used to summarize health status, and also be used to calculated quality-adjusted life years (QALYs).[22] Although it may be less responsive to changes in specific conditions than disease-specific instruments (e.g., Chronic Heart Failure Questionnaire, Chronic Respiratory Questionnaire),[8] the EQ-5D-5L is useful for broad comparisons of the relative impact of different conditions or treatments on the health of the population. It is for this reason that the HQCA produced this report; it provides baseline values that can then be used to monitor variations in self-reported health status, and for describing the health profiles and self-reported health status of the Alberta population.

APPENDICES

APPENDIX A – MAP OF AHS ZONES
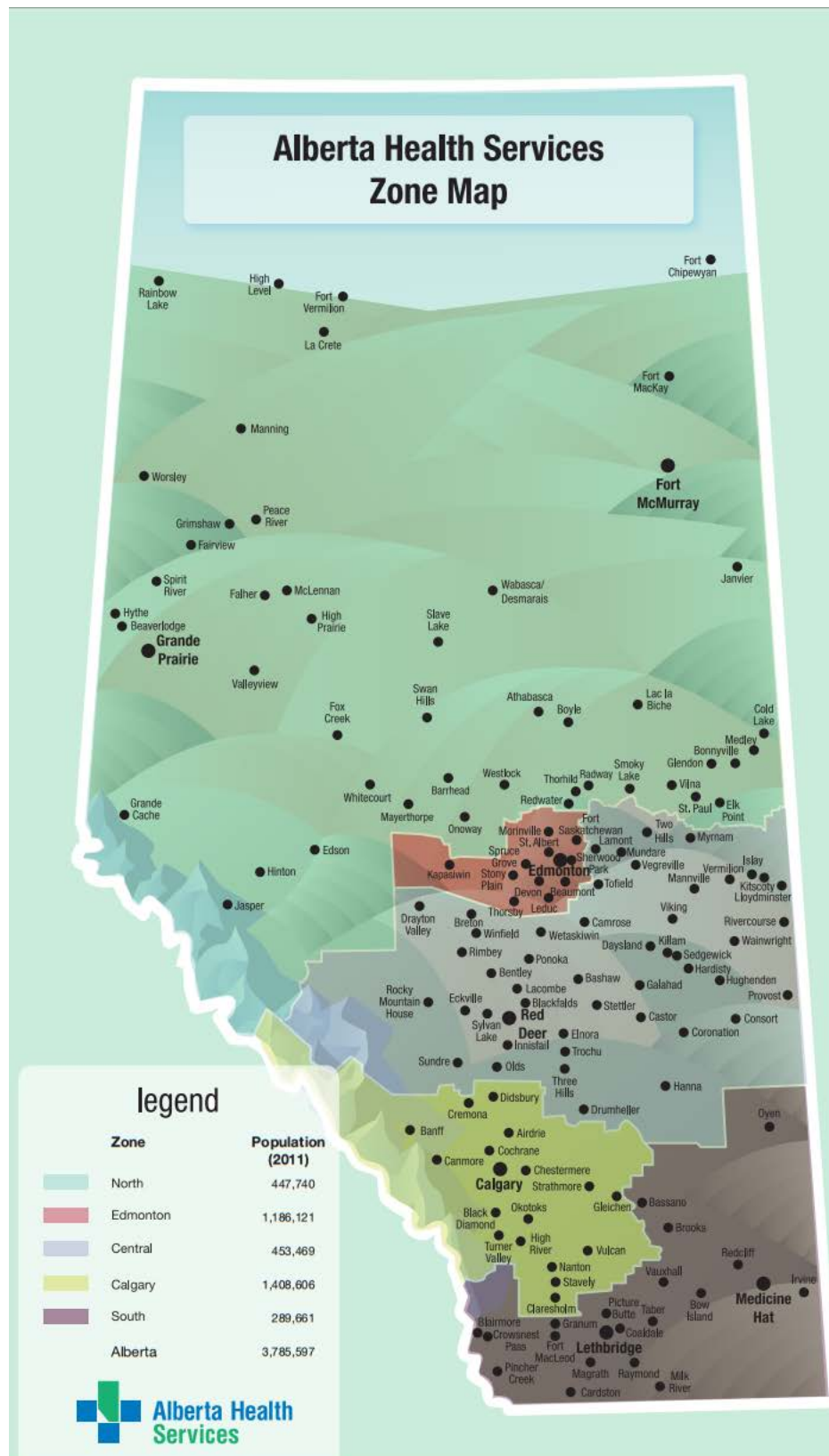
Table 7: Percentage of 18 to 29 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	91	88	93
	Level 2	7	5	9
	Level 3	2	1	4
	Level 4	0	0	2
	Level 5	0	0	1
Self-care	Level 1	99	97	99
	Level 2	1	0	2
	Level 3	0	0	1
	Level 4	0	0	1
	Level 5			
Usual Activities	Level 1	86	82	88
	Level 2	10	8	13
	Level 3	3	2	5
	Level 4	1	0	2
	Level 5	0	0	1
Pain/Discomfort	Level 1	62	57	66
	Level 2	27	23	32
	Level 3	8	6	11
	Level 4	2	1	3
	Level 5	1	0	2
Anxiety/Depression	Level 1	61	56	65
	Level 2	27	23	31
	Level 3	9	7	12
	Level 4	2	1	4
	Level 5	1	1	3

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 8: Percentage of 30 to 39 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	86	83	88
	Level 2	10	8	13
	Level 3	3	2	4
	Level 4	1	0	3
	Level 5	0	0	2
Self-care	Level 1	97	96	98
	Level 2	1	1	2
	Level 3	1	1	3
	Level 4	0	0	0
	Level 5	0	0	2
Usual Activities	Level 1	82	78	85
	Level 2	12	10	15
	Level 3	4	3	7
	Level 4	1	1	3
	Level 5	0	0	2
Pain/Discomfort	Level 1	51	47	55
	Level 2	32	28	36
	Level 3	12	10	15
	Level 4	3	2	5
	Level 5	2	1	3
Anxiety/Depression	Level 1	67	63	71
	Level 2	22	19	26
	Level 3	9	7	11
	Level 4	1	1	3
	Level 5	0	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 9: Percentage of 40 to 49 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	82	79	85
	Level 2	11	9	14
	Level 3	4	3	6
	Level 4	2	1	4
	Level 5	0	0	1
Self-care	Level 1	94	92	96
	Level 2	4	3	6
	Level 3	1	1	3
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	81	78	84
	Level 2	11	9	14
	Level 3	4	3	6
	Level 4	2	1	3
	Level 5	2	1	3
Pain/Discomfort	Level 1	44	40	48
	Level 2	37	33	41
	Level 3	13	11	16
	Level 4	5	3	6
	Level 5	2	1	3
Anxiety/Depression	Level 1	67	63	70
	Level 2	21	18	24
	Level 3	9	7	11
	Level 4	2	1	4
	Level 5	2	1	3

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 10: Percentage of 50 to 59 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	71	68	74
	Level 2	18	15	21
	Level 3	8	6	10
	Level 4	3	2	4
	Level 5	1	0	1
Self-care	Level 1	93	91	95
	Level 2	6	4	8
	Level 3	1	1	2
	Level 4	0	0	0
	Level 5	0	0	1
Usual Activities	Level 1	73	70	76
	Level 2	15	13	18
	Level 3	9	7	11
	Level 4	1	1	3
	Level 5	2	1	3
Pain/Discomfort	Level 1	34	30	37
	Level 2	39	36	43
	Level 3	20	17	23
	Level 4	6	4	8
	Level 5	2	1	3
Anxiety/Depression	Level 1	70	66	73
	Level 2	18	15	21
	Level 3	10	8	12
	Level 4	2	1	3
	Level 5	1	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 11: Percentage of 60 to 69 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	63	59	66
	Level 2	23	20	26
	Level 3	10	8	12
	Level 4	3	2	5
	Level 5	1	1	3
Self-care	Level 1	92	90	94
	Level 2	4	3	6
	Level 3	2	2	4
	Level 4	1	0	1
	Level 5	1	0	2
Usual Activities	Level 1	69	65	73
	Level 2	20	17	23
	Level 3	8	6	10
	Level 4	2	2	4
	Level 5	1	0	2
Pain/Discomfort	Level 1	30	27	34
	Level 2	41	37	45
	Level 3	22	19	25
	Level 4	5	3	6
	Level 5	2	1	3
Anxiety/Depression	Level 1	68	64	71
	Level 2	20	17	23
	Level 3	10	8	12
	Level 4	2	1	3
	Level 5	1	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 12: Percentage of 70 to 79 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	55	50	61
	Level 2	24	20	30
	Level 3	13	10	18
	Level 4	7	4	10
	Level 5	0	0	3
Self-care	Level 1	91	87	94
	Level 2	5	3	8
	Level 3	3	1	6
	Level 4			
	Level 5	1	0	2
Usual Activities	Level 1	65	59	70
	Level 2	19	15	24
	Level 3	13	10	17
	Level 4	1	0	3
	Level 5	2	1	5
Pain/Discomfort	Level 1	25	20	30
	Level 2	47	41	52
	Level 3	24	19	29
	Level 4	3	2	6
	Level 5	1	1	4
Anxiety/Depression	Level 1	75	70	80
	Level 2	20	16	25
	Level 3	4	2	6
	Level 4	0	0	1
	Level 5	1	0	3

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 13: Percentage of 80+ year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	51	42	59
	Level 2	26	19	34
	Level 3	13	9	20
	Level 4	8	5	15
	Level 5	2	1	6
Self-care	Level 1	89	83	94
	Level 2	8	5	14
	Level 3	1	0	6
	Level 4	1	0	5
	Level 5			
Usual Activities	Level 1	64	55	72
	Level 2	24	17	32
	Level 3	11	7	18
	Level 4	1	0	6
	Level 5	0	0	2
Pain/Discomfort	Level 1	33	25	41
	Level 2	42	33	50
	Level 3	20	14	27
	Level 4	4	2	8
	Level 5	2	0	7
Anxiety/Depression	Level 1	77	69	83
	Level 2	18	12	26
	Level 3	5	2	9
	Level 4	0	0	2
	Level 5			

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 14: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2014)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	77	76	78
	Level 2	14	13	16
	Level 3	6	5	7
	Level 4	2	2	3
	Level 5	1	0	1
Self-care	Level 1	95	94	95
	Level 2	3	3	4
	Level 3	1	1	2
	Level 4			
	Level 5	0	0	1
Usual Activities	Level 1	77	76	79
	Level 2	14	13	15
	Level 3	6	5	7
	Level 4	2	1	2
	Level 5	1	1	1
Pain/Discomfort	Level 1	43	42	45
	Level 2	36	34	38
	Level 3	15	14	17
	Level 4	4	3	5
	Level 5	2	1	2
Anxiety/Depression	Level 1	67	66	69
	Level 2	21	20	23
	Level 3	9	8	10
	Level 4	2	1	2
	Level 5	1	1	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

APPENDIX C

Table 15: Percentage of respondents, with 95% confidence intervals, reporting no problems versus problems by EQ-5D-5L dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**No problems**	91		86		82		71		63		55		51		77	
	LW CI & UP CI	*88*	*93*	*83*	*88*	*79*	*85*	*68*	*74*	*59*	*66*	*50*	*61*	*42*	*59*	*76*	*78*
	Problems	9		14		18		29		37		45		49		23	
	LW CI & UP CI	*7*	*12*	*12*	*17*	*15*	*21*	*26*	*32*	*34*	*41*	*39*	*50*	*41*	*58*	*22*	*24*
Self-care	**No problems**	99		97		94		93		92		91		89		95	
	LW CI & UP CI	*97*	*99*	*96*	*98*	*92*	*96*	*91*	*95*	*90*	*94*	*87*	*94*	*83*	*94*	*94*	*95*
	Problems	1		3		6		7		8		9		11		5	
	LW CI & UP CI	*1*	*3*	*2*	*5*	*4*	*8*	*5*	*9*	*6*	*10*	*6*	*13*	*6*	*17*	*5*	*6*
Usual Activities	**No problems**	86		82		81		73		69		65		64		77	
	LW CI & UP CI	*82*	*88*	*78*	*85*	*78*	*84*	*70*	*76*	*65*	*73*	*59*	*70*	*55*	*72*	*76*	*79*
	Problems	14		18		19		27		31		35		36		23	
	LW CI & UP CI	*12*	*18*	*15*	*22*	*16*	*22*	*24*	*30*	*27*	*35*	*30*	*41*	*28*	*45*	*21*	*24*
Pain/Discomfort	**No problems**	62		51		44		34		30		25		33		43	
	LW CI & UP CI	*57*	*66*	*47*	*55*	*40*	*48*	*30*	*37*	*27*	*34*	*20*	*30*	*25*	*41*	*42*	*45*
	Problems	38		49		56		66		70		75		67		57	
	LW CI & UP CI	*34*	*43*	*45*	*53*	*52*	*60*	*63*	*70*	*66*	*73*	*70*	*80*	*59*	*75*	*55*	*58*
Anxiety/Depression	**No problems**	61		67		67		70		68		75		77		67	
	LW CI & UP CI	*56*	*65*	*63*	*71*	*63*	*70*	*66*	*73*	*64*	*71*	*70*	*80*	*69*	*83*	*66*	*69*
	Problems	39		33		33		30		32		25		23		33	
	LW CI & UP CI	*35*	*44*	*29*	*37*	*30*	*37*	*27*	*34*	*29*	*36*	*20*	*30*	*17*	*31*	*31*	*34*

APPENDIX D

Table 16: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the mobility dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**Level 1**	93		85		83		74		64		62		56		79	
	LW CI & UP CI	89	96	79	89	78	87	69	78	59	69	54	70	43	68	77	81
	Level 2	5		10		11		19		22		22		28		14	
	LW CI & UP CI	3	9	6	15	8	15	15	23	18	26	16	29	18	41	12	16
	Level 3	1		3		3		5		9		9		7		4	
	LW CI & UP CI	0	4	1	5	2	6	3	7	6	13	5	14	3	17	3	5
	Level 4	0		2		2		3		4		6		7		2	
	LW CI & UP CI	0	3	1	5	1	5	1	5	2	6	3	12	2	17	2	3
	Level 5			1		0		0		2		1		2		1	
	LW CI & UP CI			0	4	0	2	0	1	1	4	0	6	0	12	0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 17: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the mobility dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**Level 1**	88		86		81		69		61		49		46		75	
	LW CI & UP CI	84	92	83	89	77	85	64	73	56	66	41	57	35	57	73	77
	Level 2	8		10		11		17		24		27		23		15	
	LW CI & UP CI	6	13	8	14	9	15	14	21	20	29	21	34	15	34	13	16
	Level 3	3		2		6		11		11		17		19		7	
	LW CI & UP CI	1	6	1	4	4	9	8	14	8	15	12	24	11	29	6	9
	Level 4			1		2		2		3		7		10		2	
	LW CI & UP CI			0	2	1	4	1	4	2	6	4	12	5	19	2	3
	Level 5	0		0				1		1				2		0	
	LW CI & UP CI	0	3	0	2			0	3	0	3			0	9	0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 18: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the self-care dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Self-care	**Level 1**	100		98		95		94		92		91		86		95	
	LW CI & UP CI	*98*	*100*	*94*	*99*	*92*	*97*	*91*	*96*	*89*	*95*	*85*	*95*	*75*	*92*	*94*	*96*
	Level 2	0		0		3		5		4		4		12		3	
	LW CI & UP CI	*0*	*2*	*0*	*2*	*2*	*6*	*3*	*8*	*3*	*7*	*2*	*9*	*6*	*22*	*2*	*4*
	Level 3	0		2		2		1		2		4		2		1	
	LW CI & UP CI	*0*	*2*	*0*	*5*	*1*	*4*	*0*	*3*	*1*	*4*	*1*	*9*	*0*	*12*	*1*	*2*
	Level 4									1				1		0	
	LW CI & UP CI									*0*	*2*			*0*	*6*	*0*	*0*
	Level 5			1						0		1				0	
	LW CI & UP CI			*0*	*4*					*0*	*3*	*0*	*6*			*0*	*1*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 19: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the self-care dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Self-care	Level 1	97		97		93		92		92		91		93		94	
	LW CI & UP CI	95	99	95	98	90	96	89	94	89	95	86	95	85	97	93	95
	Level 2	2		2		5		6		4		6		5		4	
	LW CI & UP CI	1	4	1	4	3	8	4	9	2	7	3	11	2	13	3	5
	Level 3	0		1		1		1		3		2				1	
	LW CI & UP CI	0	1	0	2	0	3	0	2	1	5	1	7			1	2
	Level 4	1				0		0		0				2		0	
	LW CI & UP CI	0	3			0	2	0	1	0	1			0	9	0	1
	Level 5					1		1		1		1				0	
	LW CI & UP CI					0	2	0	3	0	3	0	2			0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 20: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the usual activities dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
	Level 1	87		81		84		75		70		63		69		79	
	LW CI & UP CI	82	91	75	86	79	88	70	79	65	75	55	71	56	80	77	81
	Level 2	9		10		10		15		19		19		22		13	
	LW CI & UP CI	6	13	7	15	7	14	12	19	15	24	13	26	13	35	11	15
	Level 3	4		7		3		8		7		14		7		6	
Usual Activities	*LW CI & UP CI*	2	7	4	11	2	6	5	11	5	10	9	21	3	16	5	7
	Level 4	1		1		2		1		2				2		1	
	LW CI & UP CI	0	3	0	4	1	4	1	3	1	5			0	12	1	2
	Level 5			1		1		1		1		4				1	
	LW CI & UP CI			0	4	0	3	0	3	0	2	1	9			1	2
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 21: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the usual activities dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Usual Activities	**Level 1**	84		82		78		72		68		66		59		76	
	LW CI & UP CI	*79*	*88*	*78*	*86*	*73*	*82*	*67*	*76*	*62*	*73*	*59*	*73*	*48*	*70*	*74*	*78*
	Level 2	11		13		13		15		20		19		25		15	
	LW CI & UP CI	*8*	*16*	*10*	*17*	*10*	*16*	*12*	*19*	*16*	*25*	*14*	*26*	*16*	*36*	*13*	*17*
	Level 3	2		2		6		10		8		12		16		6	
	LW CI & UP CI	*1*	*5*	*1*	*4*	*4*	*9*	*7*	*13*	*6*	*12*	*8*	*18*	*9*	*26*	*5*	*7*
	Level 4	1		1		2		1		2		2				2	
	LW CI & UP CI	*0*	*4*	*1*	*3*	*1*	*4*	*1*	*3*	*1*	*4*	*1*	*6*			*1*	*2*
	Level 5	1		0		2		2		1		1		0		1	
	LW CI & UP CI	*0*	*2*	*0*	*2*	*1*	*4*	*1*	*4*	*1*	*3*	*0*	*2*	*0*	*3*	*1*	*2*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 22: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the pain/discomfort dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Pain/Discomfort	**Level 1**	66		50		46		35		31		31		39		45	
	LW CI & UP CI	*59*	*72*	*43*	*57*	*40*	*53*	*30*	*41*	*26*	*37*	*24*	*39*	*27*	*52*	*43*	*48*
	Level 2	27		31		36		39		40		44		42		35	
	LW CI & UP CI	*22*	*33*	*25*	*38*	*31*	*43*	*34*	*45*	*35*	*46*	*36*	*52*	*30*	*55*	*33*	*38*
	Level 3	5		12		13		18		22		21		13		14	
	LW CI & UP CI	*3*	*9*	*9*	*17*	*9*	*18*	*15*	*23*	*18*	*27*	*15*	*28*	*7*	*24*	*12*	*16*
	Level 4	2		4		3		5		4		2		4		3	
	LW CI & UP CI	*1*	*5*	*2*	*8*	*1*	*5*	*3*	*8*	*2*	*6*	*1*	*6*	*2*	*11*	*2*	*4*
	Level 5	0		2		2		2		3		2		2		2	
	LW CI & UP CI	*0*	*3*	*1*	*6*	*1*	*4*	*1*	*4*	*1*	*5*	*1*	*7*	*0*	*12*	*1*	*3*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 23: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the pain/discomfort dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Pain/Discomfort	**Level 1**	58		52		41		32		29		20		27		41	
	LW CI & UP CI	*51*	*63*	*47*	*57*	*36*	*46*	*28*	*37*	*24*	*34*	*14*	*27*	*18*	*38*	*39*	*43*
	Level 2	28		32		37		39		42		49		42		36	
	LW CI & UP CI	*23*	*34*	*28*	*37*	*33*	*42*	*34*	*44*	*37*	*48*	*42*	*57*	*31*	*53*	*34*	*39*
	Level 3	12		12		13		22		22		26		25		17	
	LW CI & UP CI	*9*	*17*	*9*	*15*	*10*	*17*	*18*	*26*	*18*	*27*	*20*	*33*	*17*	*36*	*15*	*18*
	Level 4	1		3		7		6		6		4		4		4	
	LW CI & UP CI	*1*	*4*	*1*	*5*	*4*	*10*	*4*	*9*	*4*	*8*	*2*	*8*	*2*	*9*	*4*	*5*
	Level 5	1		1		1		1		1		1		2		1	
	LW CI & UP CI	*0*	*3*	*1*	*3*	*1*	*4*	*1*	*3*	*1*	*3*	*0*	*2*	*0*	*12*	*1*	*2*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 24: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the anxiety/depression dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Anxiety/ Depression	**Level 1**	61		70		69		72		70		75		86		69	
	LW CI & UP CI	*54*	*67*	*63*	*75*	*63*	*75*	*68*	*77*	*65*	*75*	*67*	*81*	*74*	*92*	*67*	*72*
	Level 2	28		21		22		16		19		21		13		21	
	LW CI & UP CI	*22*	*34*	*16*	*27*	*17*	*27*	*13*	*20*	*15*	*24*	*15*	*29*	*6*	*24*	*19*	*23*
	Level 3	9		7		7		9		8		3		2		8	
	LW CI & UP CI	*6*	*14*	*5*	*12*	*5*	*11*	*7*	*13*	*6*	*12*	*1*	*7*	*1*	*5*	*6*	*9*
	Level 4	2		1		1		2		1		0		0		1	
	LW CI & UP CI	*1*	*5*	*0*	*5*	*0*	*4*	*1*	*3*	*0*	*3*	*0*	*0*	*0*	*0*	*1*	*2*
	Level 5	0		1		1		1		1		1		0		1	
	LW CI & UP CI	*0*	*2*	*0*	*4*	*0*	*2*	*0*	*2*	*0*	*3*	*0*	*7*	*0*	*0*	*0*	*1*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 25: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the anxiety/depression dimension and age group, Alberta (2014)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Anxiety/ Depression	**Level 1**	61		65		64		67		65		76		69		65	
	LW CI & UP CI	*54*	*66*	*61*	*70*	*59*	*68*	*62*	*71*	*60*	*70*	*68*	*82*	*58*	*79*	*63*	*67*
	Level 2	25		23		20		20		21		19		23		22	
	LW CI & UP CI	*20*	*31*	*19*	*28*	*16*	*24*	*16*	*24*	*17*	*26*	*13*	*26*	*14*	*34*	*20*	*24*
	Level 3	9		10		10		11		11		5		8		10	
	LW CI & UP CI	*6*	*13*	*7*	*13*	*8*	*14*	*8*	*14*	*8*	*15*	*2*	*9*	*3*	*16*	*8*	*11*
	Level 4	3		2		3		2		3		0		0		2	
	LW CI & UP CI	*2*	*6*	*1*	*3*	*2*	*6*	*1*	*4*	*1*	*5*	*0*	*2*	*0*	*3*	*2*	*3*
	Level 5	2		0		3		1		0		1				1	
	LW CI & UP CI	*1*	*5*	*0*	*1*	*2*	*6*	*0*	*2*	*0*	*3*	*0*	*5*			*1*	*2*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 26: EQ VAS means and 95% confidence intervals by gender and age group, Alberta (2014)

			Mean	LW CI	UP CI
Males	18-29		81	79	83
	30-39		78	76	81
	40-49		77	75	79
	50-59		76	74	78
	60-69		74	72	76
	70-79		74	72	77
	80+		77	73	81
Females	18-29		82	80	84
	30-39		82	80	83
	40-49		76	75	78
	50-59		78	76	79
	60-69		78	76	79
	70-79		77	75	80
	80+		74	70	78
TOTAL	18-29		81	80	83
	30-39		80	79	81
	40-49		77	75	78
	50-59		77	76	78
	60-69		76	74	77
	70-79		76	74	78
	80+		76	73	78

Table 27: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, South Zone (2014)

		South Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	74	70	77
	Level 2	14	12	17
	Level 3	9	7	11
	Level 4	3	2	4
	Level 5	1	0	1
Self-care	Level 1	93	91	95
	Level 2	5	3	6
	Level 3	2	1	3
	Level 4	1	0	2
	Level 5	0	0	1
Usual Activities	Level 1	74	70	77
	Level 2	15	12	18
	Level 3	9	7	11
	Level 4	2	1	3
	Level 5	1	1	3
Pain/Discomfort	Level 1	37	33	41
	Level 2	38	35	42
	Level 3	17	15	20
	Level 4	5	4	7
	Level 5	3	2	4
Anxiety/Depression	Level 1	68	65	72
	Level 2	20	17	23
	Level 3	8	6	10
	Level 4	2	1	4
	Level 5	2	1	3

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 28: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Calgary Zone (2014)

		Calgary Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	79	77	82
	Level 2	13	11	16
	Level 3	5	4	6
	Level 4	2	1	3
	Level 5	1	0	1
Self-care	Level 1	95	93	96
	Level 2	4	3	5
	Level 3	1	1	2
	Level 4			
	Level 5	1	0	1
Usual Activities	Level 1	78	75	81
	Level 2	14	12	16
	Level 3	6	4	7
	Level 4	1	1	2
	Level 5	1	1	2
Pain/Discomfort	Level 1	47	43	50
	Level 2	36	33	39
	Level 3	12	10	15
	Level 4	4	3	5
	Level 5	1	1	2
Anxiety/Depression	Level 1	68	65	71
	Level 2	21	19	24
	Level 3	8	6	10
	Level 4	1	1	2
	Level 5	1	1	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 29: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Central Zone (2014)

		Central Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	73	70	76
	Level 2	17	15	20
	Level 3	7	6	9
	Level 4	3	2	4
	Level 5	0	0	1
Self-care	Level 1	96	95	97
	Level 2	2	2	4
	Level 3	1	1	2
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	76	73	79
	Level 2	14	12	17
	Level 3	6	5	8
	Level 4	2	1	4
	Level 5	1	1	2
Pain/Discomfort	Level 1	42	38	46
	Level 2	34	31	38
	Level 3	18	16	21
	Level 4	4	3	6
	Level 5	1	1	2
Anxiety/Depression	Level 1	69	66	73
	Level 2	21	18	24
	Level 3	8	6	10
	Level 4	2	1	3
	Level 5	0	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 30: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Edmonton Zone (2014)

		Edmonton Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	78	75	80
	Level 2	13	11	16
	Level 3	6	4	7
	Level 4	3	2	4
	Level 5	1	0	1
Self-care	Level 1	95	93	96
	Level 2	3	2	5
	Level 3	1	1	2
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	79	76	81
	Level 2	13	11	16
	Level 3	5	4	7
	Level 4	2	1	3
	Level 5	1	1	2
Pain/Discomfort	Level 1	43	40	46
	Level 2	36	33	39
	Level 3	16	14	19
	Level 4	4	3	5
	Level 5	2	1	3
Anxiety/Depression	Level 1	65	62	68
	Level 2	22	19	24
	Level 3	10	8	12
	Level 4	3	2	4
	Level 5	1	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 31: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, North Zone (2014)

		North Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	75	71	78
	Level 2	17	15	20
	Level 3	6	5	8
	Level 4	2	1	3
	Level 5	0	0	1
Self-care	Level 1	95	93	96
	Level 2	3	2	5
	Level 3	1	1	3
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	75	71	78
	Level 2	15	12	18
	Level 3	8	6	10
	Level 4	2	1	3
	Level 5	1	1	2
Pain/Discomfort	Level 1	39	36	43
	Level 2	37	33	40
	Level 3	19	16	22
	Level 4	4	3	6
	Level 5	1	1	2
Anxiety/Depression	Level 1	65	62	69
	Level 2	23	20	26
	Level 3	9	7	11
	Level 4	2	1	3
	Level 5	1	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

APPENDIX G

Table 32: EQ VAS mean values and 95% confidence intervals by AHS zone, (2014)

	Mean	LW CI	UP CI
South	78	77	79
Calgary	79	78	80
Central	78	77	79
Edmonton	77	76	78
North	77	76	78

APPENDIX H – Comparable tables and graphs to the *Alberta Provincal Norms for the EQ-5D-3L* report

Table 33: Male EQ-5D-5L counts by age group, Alberta (2014)

Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	257	770	549	170
Slight problems walking	15	85	136	69
Moderate problems walking	2	23	45	26
Severe problems walking	2	15	19	19
Are you unable to walk		3	5	5
Total	**275**	**896**	**753**	**289**
Self-Care				
No problems washing or dressing yourself	275	872	704	261
Slight problems washing or dressing yourself		12	35	16
Moderate problems washing or dressing yourself		11	12	10
Severe problems washing or dressing yourself			3	1
Are you unable to wash or dress yourself		3	2	1
Total	**221**	**897**	**755**	**289**
Usual Activities				
No problems doing your usual activities	251	742	567	181
Slight problems doing your usual activities	14	93	116	66
Moderate problems doing your usual activities	6	45	51	31
Severe problems doing your usual activities	3	12	11	5
Are you unable to do your usual activities		6	8	6
Total	**279**	**897**	**753**	**289**
Pain/Discomfort				
No pain or discomfort	182	453	279	92
Slight pain or discomfort	80	292	292	119
Moderate pain or discomfort	10	105	137	60
Severe pain or discomfort	1	32	27	12
Extreme pain or discomfort	2	14	18	6
Total	**275**	**896**	**754**	**289**
Anxiety/Depression				
Not anxious or depressed	169	608	529	219
Slightly anxious or depressed	80	195	139	51
Moderately anxious or depressed	17	76	64	14
Severely anxious or depressed	6	10	10	1
Extremely anxious or depressed	0	5	10	2
Total	**273**	**894**	**752**	**288**

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 34: Female EQ-5D-5L counts by age group, Alberta (2014)

| Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	237	740	497	180
Slight problems walking	19	92	131	86
Moderate problems walking	10	29	68	54
Severe problems walking		8	19	20
Are you unable to walk	2	1	5	3
Total	**268**	**871**	**721**	**342**
Self-Care				
No problems washing or dressing yourself	260	842	661	319
Slight problems washing or dressing yourself	6	21	43	16
Moderate problems washing or dressing yourself	1	6	13	6
Severe problems washing or dressing yourself	2	0	2	1
Are you unable to wash or dress yourself	0	2	4	2
Total	**269**	**871**	**724**	**344**
Usual Activities				
No problems doing your usual activities	226	706	517	228
Slight problems doing your usual activities	30	111	116	73
Moderate problems doing your usual activities	8	32	63	35
Severe problems doing your usual activities	5	13	13	4
Are you unable to do your usual activities	1	8	15	3
Total	**269**	**869**	**724**	**343**
Pain/Discomfort				
No pain or discomfort	149	436	235	86
Slight pain or discomfort	81	281	288	154
Moderate pain or discomfort	34	108	144	83
Severe pain or discomfort	2	33	47	16
Extreme pain or discomfort	4	12	9	4
Total	**269**	**869**	**722**	**344**
Anxiety/Depression				
Not anxious or depressed	154	561	483	237
Slightly anxious or depressed	76	188	139	73
Moderately anxious or depressed	22	89	74	27
Severely anxious or depressed	9	18	21	2
Extremely anxious or depressed	8	14	4	2
Total	**269**	**869**	**720**	**341**

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 35: Male EQ-5D-5L percentages by age group, Alberta (2014)

Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	93	86	73	59
Slight problems walking	5	10	18	22
Moderate problems walking	1	3	6	12
Severe problems walking	1	2	2	5
Are you unable to walk		0	1	2
Self-Care				
No problems washing or dressing yourself	100	97	93	91
Slight problems washing or dressing yourself		1	5	6
Moderate problems washing or dressing yourself		1	2	3
Severe problems washing or dressing yourself			0	0
Are you unable to wash or dress yourself		0	0	0
Usual Activities				
No problems doing your usual activities	91	83	75	63
Slight problems doing your usual activities	5	10	15	23
Moderate problems doing your usual activities	2	5	7	11
Severe problems doing your usual activities	1	1	1	2
Are you unable to do your usual activities		1	1	2
Pain/Discomfort				
No pain or discomfort	66	51	37	32
Slight pain or discomfort	29	33	39	41
Moderate pain or discomfort	4	12	18	21
Severe pain or discomfort	0	4	4	4
Extreme pain or discomfort	1	2	2	2
Anxiety/Depression				
Not anxious or depressed	62	68	70	76
Slightly anxious or depressed	29	22	18	18
Moderately anxious or depressed	6	9	9	5
Severely anxious or depressed	2	1	1	0
Extremely anxious or depressed		1	1	1

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 36: Female EQ-5D-5L percentages by age group, Alberta (2014)

| Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	89	85	69	52
Slight problems walking	7	11	18	25
Moderate problems walking	4	3	9	16
Severe problems walking		1	3	6
Are you unable to walk	1	0	1	1
Self-Care				
No problems washing or dressing yourself	96	97	91	93
Slight problems washing or dressing yourself	2	2	6	5
Moderate problems washing or dressing yourself	1	1	2	2
Severe problems washing or dressing yourself	1		0	0
Are you unable to wash or dress yourself		0	1	1
Usual Activities				
No problems doing your usual activities	84	81	71	66
Slight problems doing your usual activities	11	13	16	21
Moderate problems doing your usual activities	3	4	9	10
Severe problems doing your usual activities	2	1	2	1
Are you unable to do your usual activities	0	1	2	1
Pain/Discomfort				
No pain or discomfort	55	50	32	25
Slight pain or discomfort	30	32	40	45
Moderate pain or discomfort	12	12	20	24
Severe pain or discomfort	1	4	7	5
Extreme pain or discomfort	1	1	1	1
Anxiety/Depression				
Not anxious or depressed	57	65	67	69
Slightly anxious or depressed	28	22	19	21
Moderately anxious or depressed	8	10	10	8
Severely anxious or depressed	4	2	3	1
Extremely anxious or depressed	3	2	1	1

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

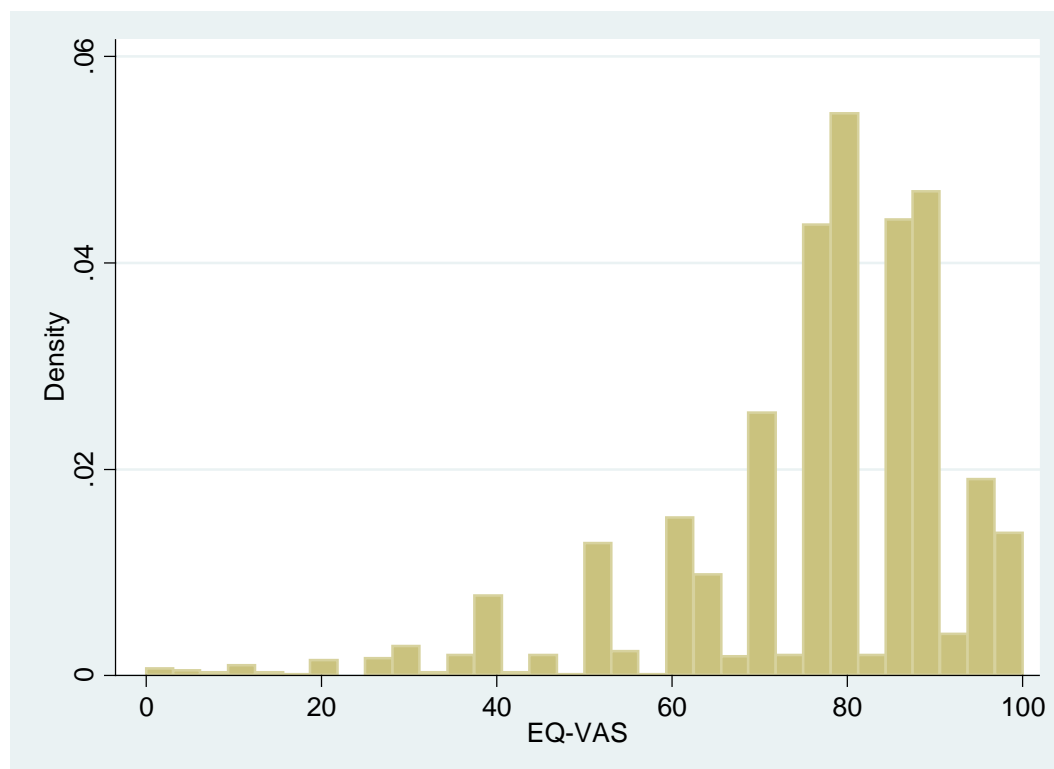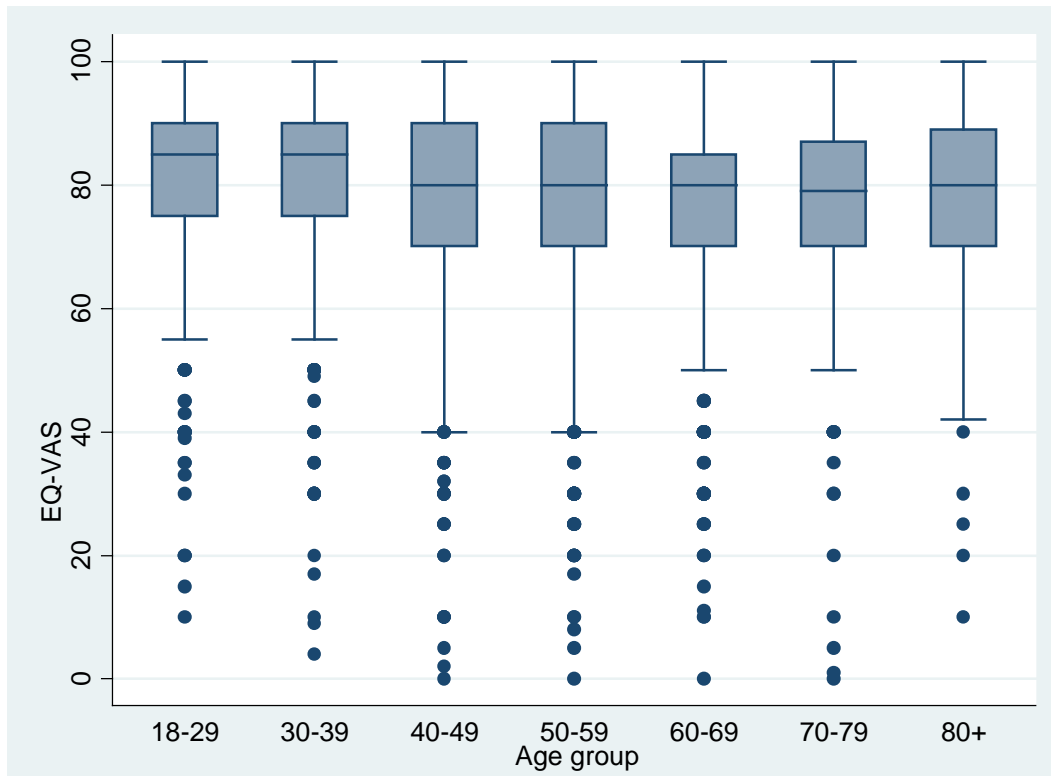**Figure 5:** Histogram of EQ-VAS scores for Alberta, (2014)
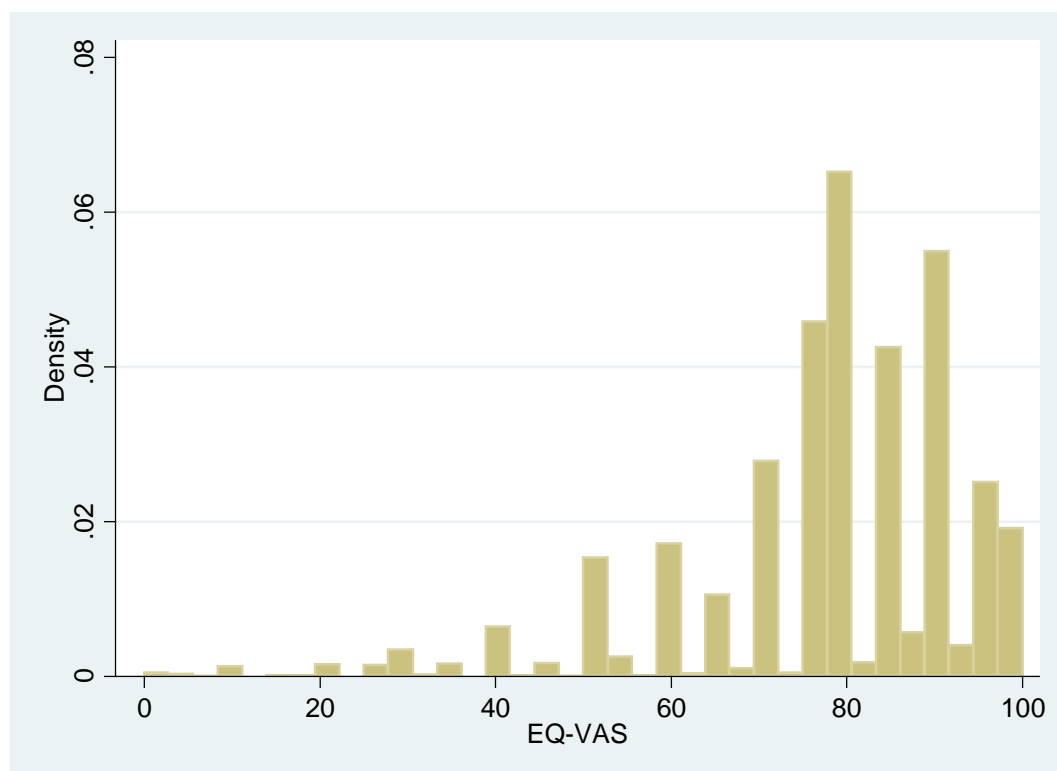
Figure 6: Histogram of EQ-VAS scores for Females, Alberta (2014)
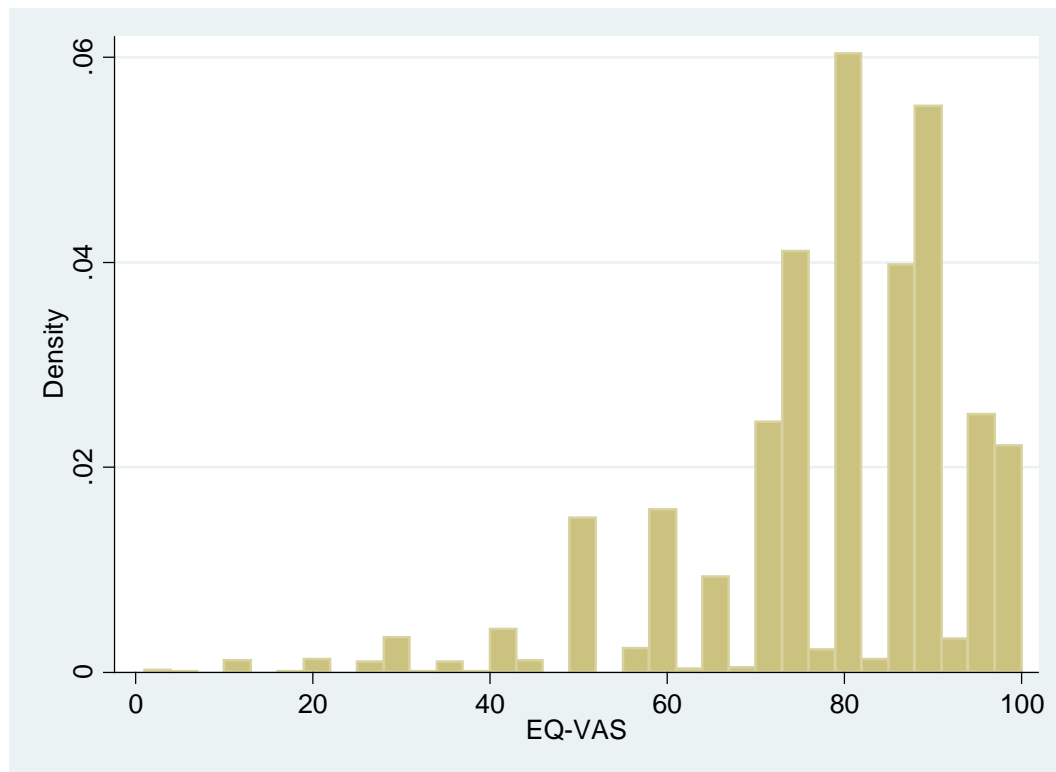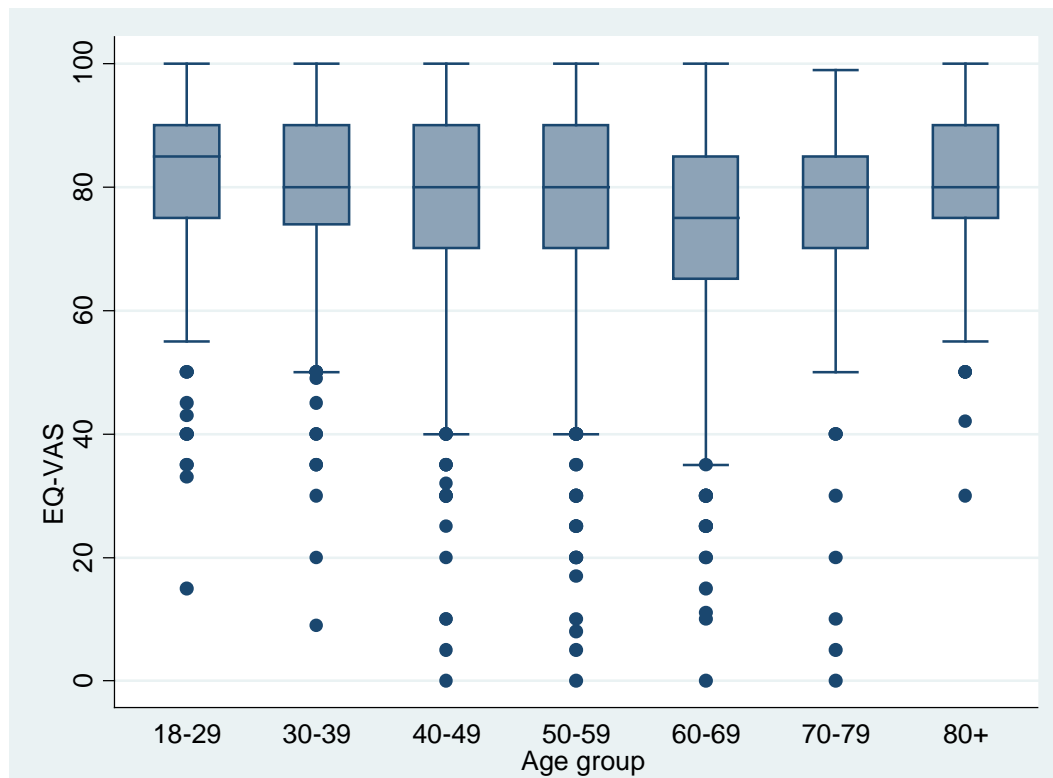
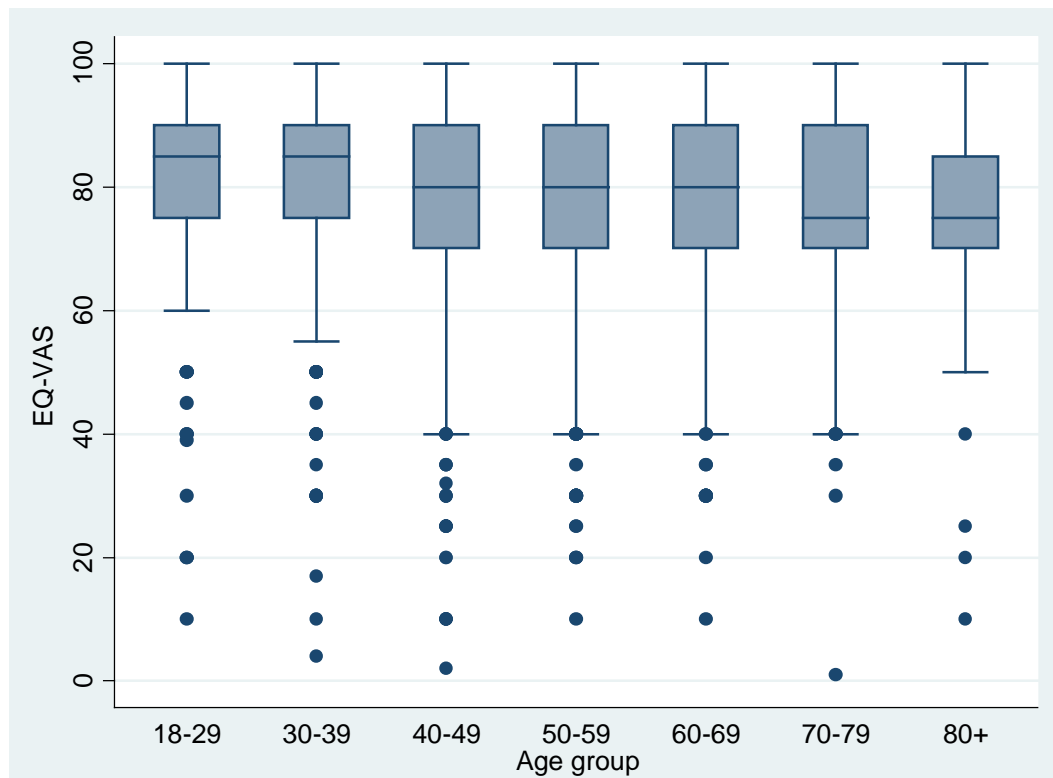**Figure 7:** Histogram of EQ-VAS scores for Males, Alberta (2014)

Figure 8: Box and Whisker plot of EQ-VAS by 7 age categories, Alberta (2014)

Figure 9: Box and Whisker plot of EQ-VAS for males by 7 age categories, Alberta (2014)

Figure 10: Box and Whisker plot of EQ-VAS for females by 7 age categories, Alberta (2014)

Figure 11: Box and Whisker plot of EQ-VAS for 4 age categories, Alberta (2014)
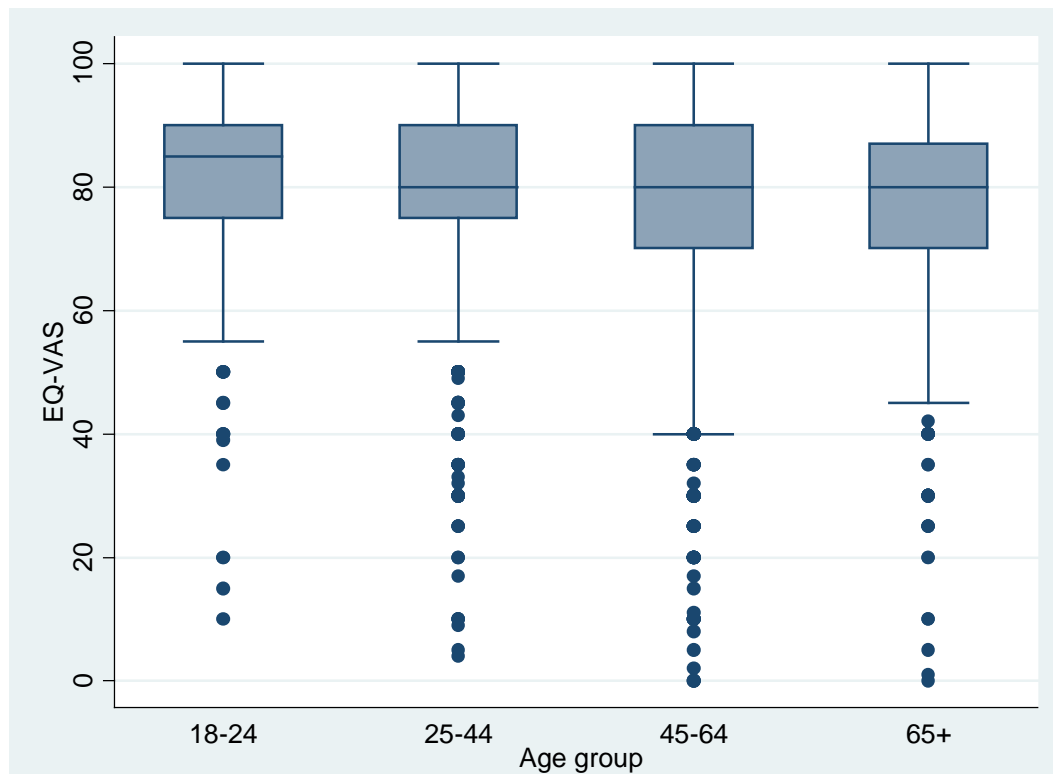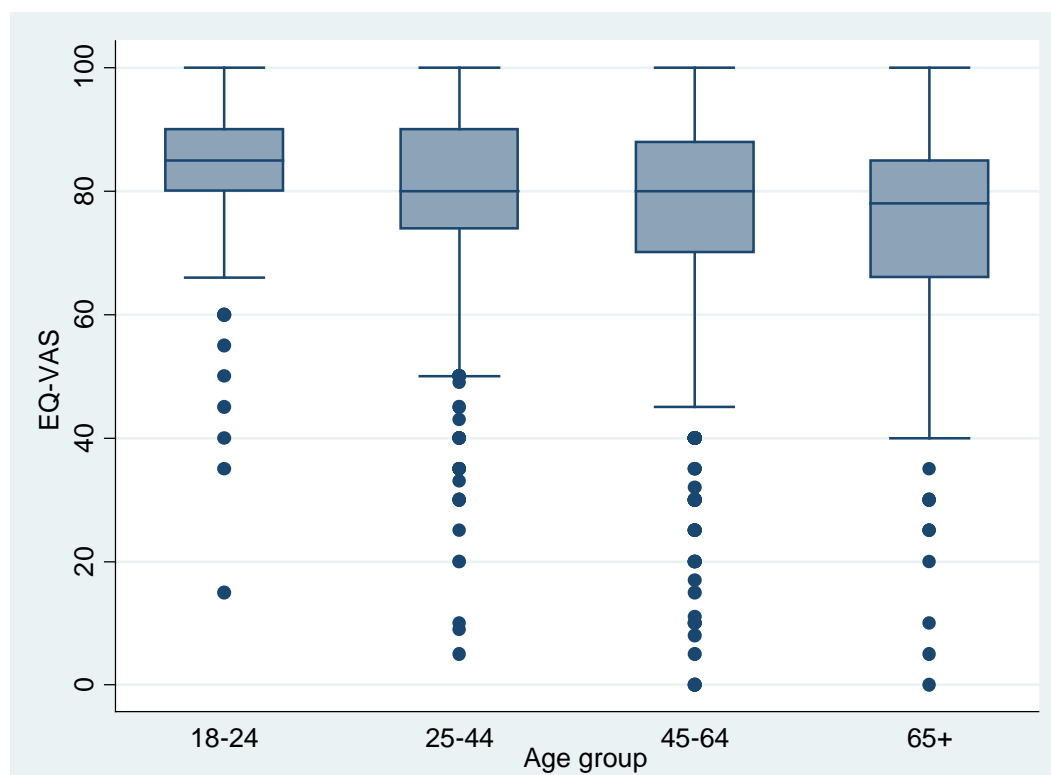
Figure 12: Box and Whisker plot of EQ-VAS for males by 4 age categories, Alberta (2014)

Figure 13: Box and Whisker plot of EQ-VAS for females by 4 age categories, Alberta (2014)
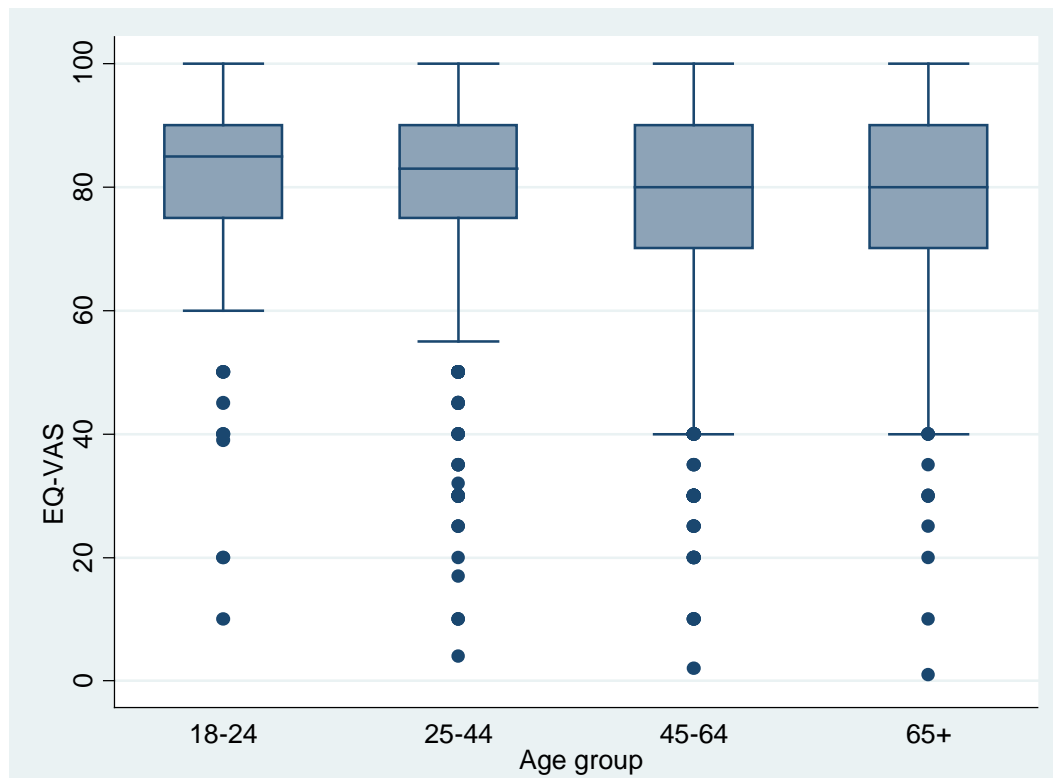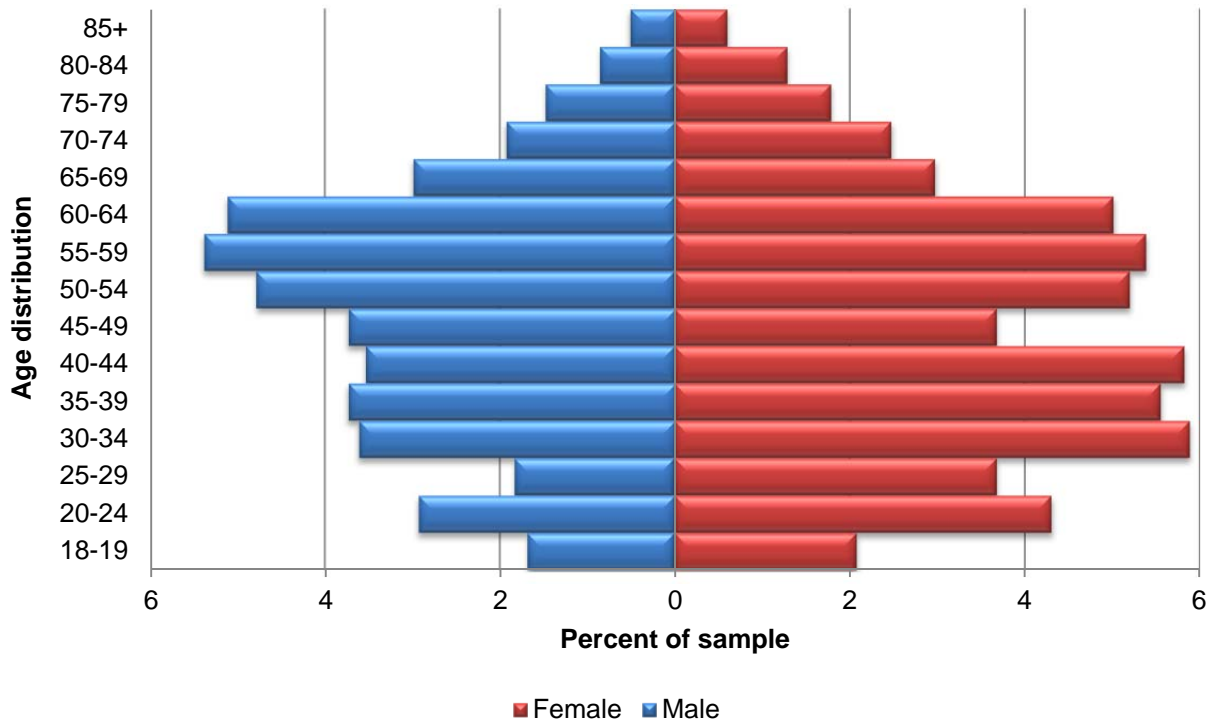
APPENDIX I – 2012 Satisfaction and Experience with Healthcare Services survey data

Figure 14: Age distribution of sample by sex, Alberta (2012)

Table 33: Percentage of respondents by EQ-5D-5L dimension and age group, Alberta (2012)

EQ-5D-5L Dimension		AGE GROUP							
		18-29 (%)	30-39 (%)	40-49 (%)	50-59 (%)	60-69 (%)	70-79 (%)	80+ (%)	TOTAL (%)
Mobility	Level 1	93.1	89.4	83.3	69	62.5	54.6	37.5	**77.9**
	Level 2	5.7	7.2	11.4	17.8	21	21.6	27.3	**13**
	Level 3	1.2	2.7	3.4	9.5	11.7	18.9	26.5	**6.7**
	Level 4	0	0.4	1.1	3.5	4	4.5	7.1	**2**
	Level 5	0	0.3	0.9	0.1	0.8	0.3	1.6	**0.4**
Self-Care	Level 1	98	98	95.4	94.2	93.2	92.7	85.2	**95.6**
	Level 2	1.2	1.7	3	3.4	4.5	4.8	7.1	**2.9**
	Level 3	0.2	0.3	1.4	2.3	1.5	1.9	5.3	**1.2**
	Level 4	0	0	0.2	0	0.6	0.5	1.1	**0.2**
	Level 5	0	0	0.1	0.2	0.2	0.1	1.4	**0.1**
Usual Activities	Level 1	88.1	86.3	80.4	71.8	70.2	65.6	54	**78.5***
	Level 2	9.3	8.7	10.7	16.3	15	17.5	22.6	**12.4***
	Level 3	2.6	3.5	6	8.1	11	14.4	19.7	**6.8***
	Level 4	0	1.2	1.8	2.9	2.7	2.3	2.5	**1.7***
	Level 5	0.1	0.3	1.1	0.9	1.1	0.2	1.2	**0.7***
Pain/Discomfort	Level 1	58.4	53.8	43.1	34.2	30.4	31.2*	29.2	**43.8**
	Level 2	31.5	34.3	36.8	39.4	39.6	35.9*	36.3	**36.1**
	Level 3	8.4	9.3	14.4	19.1	23	26.4*	29.3	**15.4**
	Level 4	1.1	2.1	4.5	5.8	5.9	6.4*	3.9	**3.9**
	Level 5	0.5	0.6	1.2	1.5	1.2	0.1*	1.2	**0.9**
Anxiety/Depression	Level 1	71.7*	71.4	68.8	68	72.1	73.6*	71.3	**70.6***
	Level 2	20.1*	18.3	19.6	19	18.5	13.6*	18.5	**18.7***
	Level 3	6*	7.8	9.1	9.7	7.8	11.8*	8.3	**8.3***
	Level 4	1.6*	1.8	2	2.6	0.9	0.8*	0.7	**1.7***
	Level 5	0.6*	0.8	0.6	0.8	0.7	0.2*	1.2	**0.7***

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Table 34: Counts of reported problems for respondents by EQ-5D-5L dimension and age group, Alberta (2012)

EQ-5D-5L Dimension		AGE GROUP							
		18-29	30-39	40-49	50-59	60-69	70-79	80 +	TOTAL
Mobility	No problems	847	927	709	604	421	167	47	**3,723**
	Problems	63*	110	143	271	253	139	79	**1,056**
Self-Care	No problems	895	1,018	815	826	628	283	108	**4,572**
	Problems	13	21	39	51*	46	22	19*	**211**
Usual Activities	No problems	801	896	686	628	473	200	67	**3,751**
	Problems	108*	143	168	246	201	105	57	**1,027**
Pain/ Discomfort	No problems	531	555	368	299	203	95	37	**2,089**
	Problems	378	478	486	577	467	210	88	**2,684**
Anxiety/Depression	No Problems	650	738	583	591	484	224	89	**3,360**
	Problems	256*	296	265	279	188	80*	36	**1,399**

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Figure 15: Percentage of respondents reporting problems by EQ-5D-5L dimension and age, Alberta (2012)
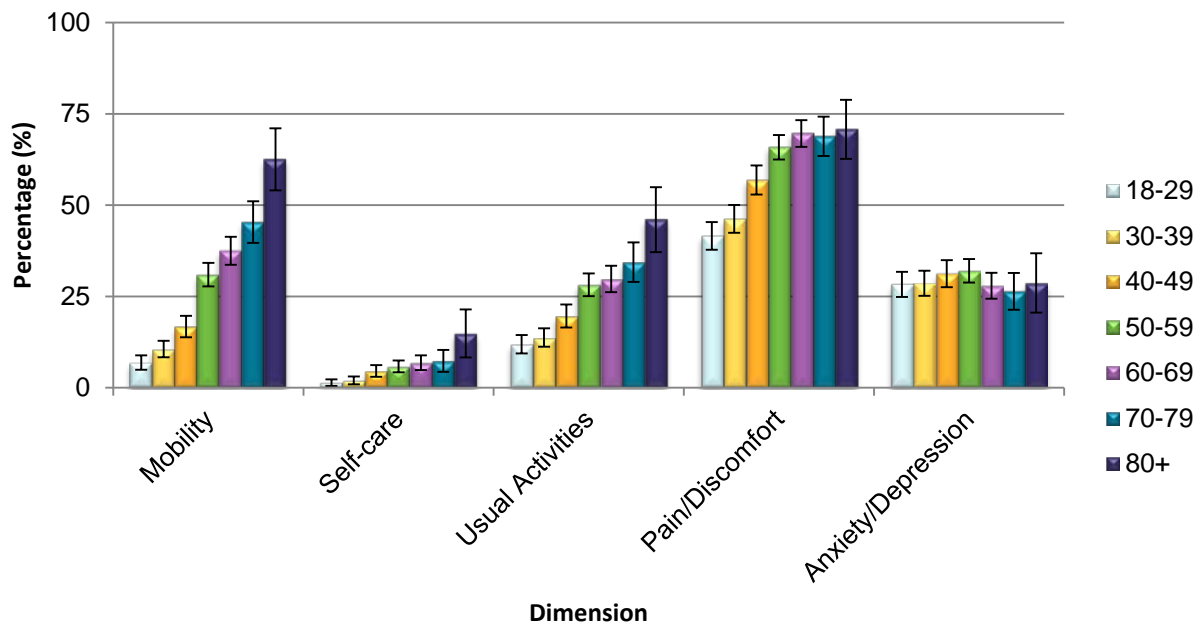
Figure 16: Percentage of respondents reporting problems by EQ-5D-5L dimension and age, Alberta (2012)
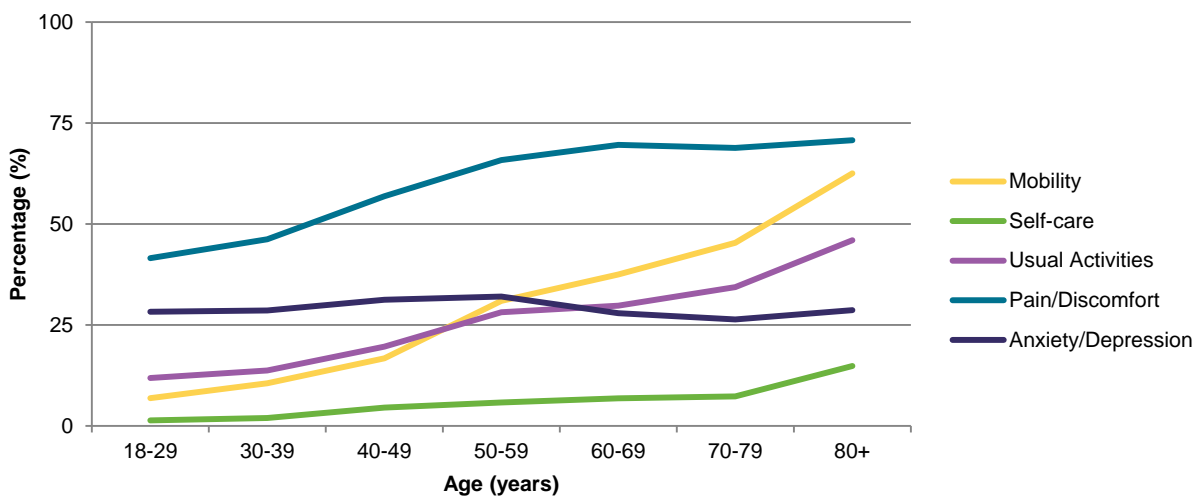
Table 35: EQ VAS, mean, standard deviation, median, percentiles by age, Alberta (2012)

EQ VAS	AGE GROUPS							TOTAL
	18-29	30-39	40-49	50-59	60-69	70-79	80 +	
Mean	83	80	78	76	76	75	75	79
Std Dev	13	14	16	17	17	16	16	16
Median	85	80	80	80	70	78	80	80
25th	75	75	75	70	80	70	70	75
75th	90	90	90	89	90	85	85	90

Figure 17: Mean population EQ-VAS ratings by age/sex, Alberta (2012)
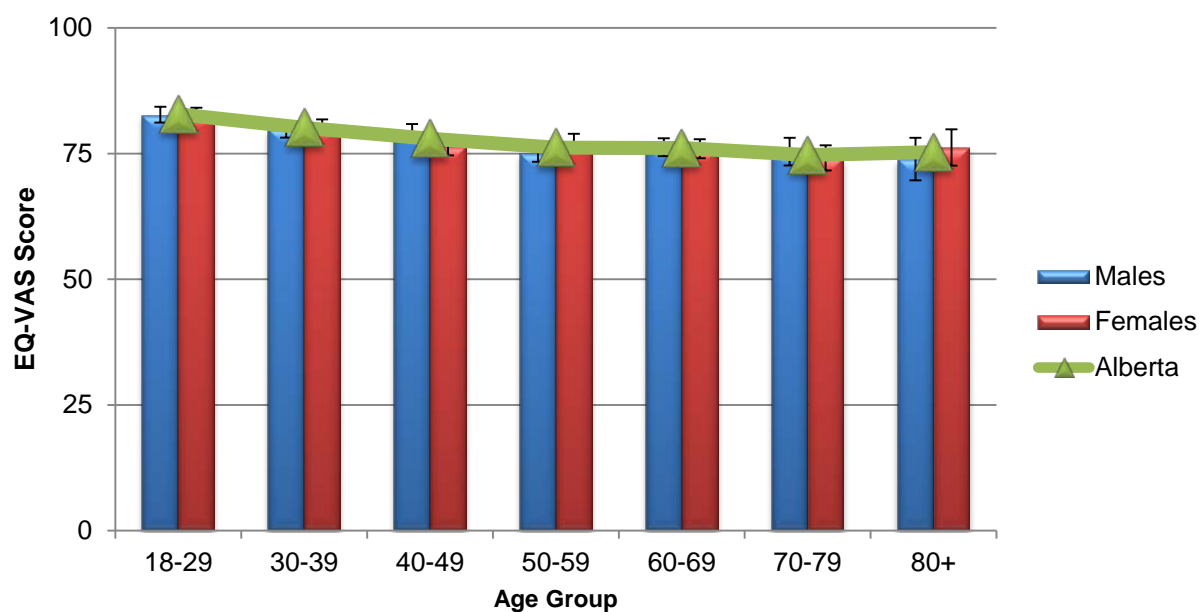
Table 36: Percentage of respondents by EQ-5D-5L dimension and AHS Zone, Alberta (2012)

Mobility	South (%)	CAL (%)	Central (%)	EDM (%)	North (%)
Level 1	76	79	76	78	77
Level 2	13	13	15	12	14
Level 3	8	6	6	7	7
Level 4	3	2	3	2	2
Level 5	0	0	1	1	0
Self-care					
Level 1	95	97*	94	95	96
Level 2	3	2*	4	3	3
Level 3	2	1*	2	1	1
Level 4	0	0*	0	0	0
Level 5	0	0*	0	0	
Usual Activities					
Level 1	77	80	76	80	76
Level 2	12	12	13	12	15
Level 3	8	7	8	6	7
Level 4	3	1	2	2	2
Level 5	1	1	1	1	1
Pain/Discomfort					
Level 1	41	46	41	44	41
Level 2	35	36	35	36	36
Level 3	18	14	18	15	17
Level 4	5	3	5	4	5
Level 5	2	1	1	1	1
Anxiety/Depression					
Level 1	68	71	69	71	70*
Level 2	21	18	19	18	20*
Level 3	9	8	9	8	7*
Level 4	1	1	1	2	2*
Level 5	1	1	2	1	0*

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 37: Counts of respondents reporting no problems versus problems by EQ-5D-5L dimension and AHS zone, (2012)

EQ-5D-5L Dimension		AHS Zones					
		South	Calgary	Central	Edmonton	North	TOTAL
Mobility	No Problems	678	859	647	840	674	**3,723**
	Problems	209	230	210	231	201	**1,056**
Self-Care	No Problems	842	1,054	809	1,019	837	**4,572**
	Problems	44	38*	49	52	206*	**211**
Usual Activities	No Problems	679	869	649	851	663	**3,751**
	Problems	206	222	206	218	212	**1,027**
Pain/Discomfort	No Problems	364	502	352	468	356	**2,089**
	Problems	519*	588	503	601	520	**2,684**
Anxiety/Depression	No Problems	595	778	588	756	615	**3,360**
	Problems	284	310	264	310*	258*	**1,399***

*Indicates significant difference versus 2014 results ($p \leq 0.05$)

Table 38: EQ VAS, mean, standard deviation, median, percentiles by AHS zone, (2012)

	AHS Zone					
EQ VAS	South	Calgary	Central	Edmonton	North	TOTAL
Mean	78	79	78	78	77	**79**
Std Dev	17	15	16	15	17	**16**
Median	80	80	80	80	80	**80**
25th	75	75	74	75	70	**75**
75th	90	90	90	90	90	**90**

Table 39: Percentage of 18 to 29 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	93	91	95
	Level 2	6	4	8
	Level 3	1	1	2
	Level 4			
	Level 5			
Self-care	Level 1	99	97	99
	Level 2	1	1	2
	Level 3	0	0	1
	Level 4			
	Level 5			
Usual Activities	Level 1	88	85	90
	Level 2	9	7	12
	Level 3	3	2	4
	Level 4	0	0	1
	Level 5			
Pain/Discomfort	Level 1	58	55	62
	Level 2	32	28	35
	Level 3	8	7	11
	Level 4	1	1	2
	Level 5	0	0	1
Anxiety/Depression	Level 1	72*	68	75
	Level 2	20*	17	23
	Level 3	6*	4	8
	Level 4	2*	1	3
	Level 5	1*	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results ($p \leq 0.05$)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 40: Percentage of 30 to 39 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	89	87	91
	Level 2	7	5	9
	Level 3	3	2	4
	Level 4	0	0	1
	Level 5	0	0	1
Self-care	Level 1	98	97	99
	Level 2	2	1	3
	Level 3	0	0	1
	Level 4			
	Level 5			
Usual Activities	Level 1	86	84	89
	Level 2	9	7	11
	Level 3	3	2	5
	Level 4	1	1	2
	Level 5	0	0	1
Pain/Discomfort	Level 1	54	50	58
	Level 2	34	31	38
	Level 3	9	7	12
	Level 4	2	1	4
	Level 5	1	0	1
Anxiety/Depression	Level 1	71	68	75
	Level 2	18	16	21
	Level 3	8	6	10
	Level 4	2	1	3
	Level 5	1	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 41: Percentage of 40 to 49 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	83	80	86
	Level 2	11	9	14
	Level 3	3	2	5
	Level 4	1	1	2
	Level 5	1	0	2
Self-care	Level 1	95	94	97
	Level 2	3	2	4
	Level 3	1	1	3
	Level 4	0	0	1
	Level 5	0	0	0
Usual Activities	Level 1	80	77	83
	Level 2	11	8	13
	Level 3	6	4	8
	Level 4	2	1	3
	Level 5	1	1	2
Pain/Discomfort	Level 1	43	39	47
	Level 2	37	33	41
	Level 3	14	12	17
	Level 4	4	3	6
	Level 5	1	1	2
Anxiety/Depression	Level 1	69	65	72
	Level 2	20	17	23
	Level 3	9	7	12
	Level 4	2	1	3
	Level 5	1	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 42: Percentage of 50 to 59 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	69	66	72
	Level 2	18	15	21
	Level 3	10	8	12
	Level 4	4	2	5
	Level 5	0	0	1
Self-care	Level 1	94	92	96
	Level 2	3	2	5
	Level 3	2	1	3
	Level 4	0	0	0
	Level 5	0	0	1
Usual Activities	Level 1	72	69	75
	Level 2	16	14	19
	Level 3	8	6	10
	Level 4	3	2	4
	Level 5	1	0	2
Pain/Discomfort	Level 1	34	31	38
	Level 2	39	36	43
	Level 3	19	16	22
	Level 4	6	4	8
	Level 5	2	1	3
Anxiety/Depression	Level 1	68	65	71
	Level 2	19	16	22
	Level 3	10	8	12
	Level 4	3	2	4
	Level 5	1	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 43: Percentage of 60 to 69 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	63	59	66
	Level 2	21	18	24
	Level 3	12	9	15
	Level 4	4	3	6
	Level 5	1	0	2
Self-care	Level 1	93	91	95
	Level 2	4	3	6
	Level 3	2	1	3
	Level 4	1	0	2
	Level 5	0	0	2
Usual Activities	Level 1	70	66	74
	Level 2	15	12	18
	Level 3	11	9	14
	Level 4	3	2	4
	Level 5	1	1	3
Pain/Discomfort	Level 1	30	27	34
	Level 2	40	36	44
	Level 3	23	20	26
	Level 4	6	4	8
	Level 5	1	1	3
Anxiety/Depression	Level 1	72	68	76
	Level 2	18	16	22
	Level 3	8	6	10
	Level 4	1	0	2
	Level 5	1	0	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 44: Percentage of 70 to 79 year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	55	49	60
	Level 2	22	17	27
	Level 3	19	15	24
	Level 4	5	3	8
	Level 5	0	0	1
Self-care	Level 1	93	89	95
	Level 2	5	3	8
	Level 3	2	1	4
	Level 4	0	0	3
	Level 5	0	0	1
Usual Activities	Level 1	66	60	71
	Level 2	17	14	22
	Level 3	14	11	19
	Level 4	2	1	5
	Level 5	0	0	1
Pain/Discomfort	Level 1	31*	26	37
	Level 2	36*	31	42
	Level 3	26*	22	32
	Level 4	6*	4	10
	Level 5	0*	0	1
Anxiety/Depression	Level 1	74*	68	78
	Level 2	14*	10	18
	Level 3	12*	8	1
	Level 4	1*	0	3
	Level 5	0*	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 45: Percentage of 80+ year old respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	37	29	46
	Level 2	27	20	36
	Level 3	27	19	35
	Level 4	7	4	12
	Level 5	2	0	7
Self-care	Level 1	85	77	91
	Level 2	7	4	14
	Level 3	5	2	11
	Level 4	1	0	8
	Level 5	1	0	6
Usual Activities	Level 1	54	45	63
	Level 2	23	16	31
	Level 3	20	13	28
	Level 4	2	1	7
	Level 5	1	0	4
Pain/Discomfort	Level 1	29	22	38
	Level 2	36	28	45
	Level 3	29	22	38
	Level 4	4	2	8
	Level 5	1	0	4
Anxiety/Depression	Level 1	71	62	79
	Level 2	18	12	27
	Level 3	8	4	15
	Level 4	1	0	3
	Level 5	1	0	4

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 46: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Alberta (2012)

		Percent	LW CI (%)	UP CI (%)
Mobility	Level 1	78	77	79
	Level 2	13	12	14
	Level 3	7	6	8
	Level 4	2	2	2
	Level 5	0	0	1
Self-care	Level 1	96	95	96
	Level 2	3	2	3
	Level 3	1	1	2
	Level 4	0	0	0
	Level 5	0	0	0
Usual Activities	Level 1	79	77	80
	Level 2	12	11	13
	Level 3	7	6	8
	Level 4	2	1	2
	Level 5	1	0	1
Pain/Discomfort	Level 1	44	42	45
	Level 2	36	35	38
	Level 3	15	14	17
	Level 4	4	3	5
	Level 5	1	1	1
Anxiety/Depression	Level 1	71*	69	72
	Level 2	19*	18	20
	Level 3	8*	7	9
	Level 4	2*	1	2
	Level 5	1*	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 47: Percentage of respondents, with 95% confidence intervals, reporting no problems versus problems by EQ-5D-5L dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**No problems**	93		89		83		69		63		55		37*		78	
	LW CI & UP CI	*91*	*95*	*87*	*91*	*80*	*86*	*66*	*72*	*59*	*66*	*49*	*60*	*29*	*46*	*77*	*79*
	Problems	7		11		17		31		38		45		63		22	
	LW CI & UP CI	*5*	*9*	*9*	*13*	*14*	*20*	*28*	*34*	*34*	*41*	*40*	*51*	*54*	*71*	*21*	*23*
Self-care	**No problems**	99		98		95		94		93		93		85		96	
	LW CI & UP CI	*97*	*99*	*97*	*99*	*94*	*97*	*92*	*96*	*91*	*95*	*89*	*95*	*77*	*91*	*95*	*96*
	Problems	1		2		5		6		7		7		15		4	
	LW CI & UP CI	*1*	*3*	*1*	*3*	*3*	*64*	*4*	*8*	*5*	*9*	*5*	*11*	*9*	*23*	*4*	*5*
Usual Activities	**No problems**	88		86*		80		72		70		66		54		79	
	LW CI & UP CI	*85*	*90*	*84*	*89*	*77*	*83*	*69*	*75*	*67*	*74*	*60*	*71*	*45*	*63*	*77*	*80*
	Problems	12		14		20		28		30		34		46		21	
	LW CI & UP CI	*10*	*15*	*11*	*16*	*17*	*23*	*25*	*31*	*26*	*34*	*29*	*40*	*37*	*55*	*20*	*23*
Pain/Discomfort	**No problems**	58		54		43		34		30		31		29		44	
	LW CI & UP CI	*55*	*62*	*50*	*58*	*39*	*47*	*31*	*38*	*27*	*34*	*26*	*37*	*22*	*38*	*42*	*45*
	Problems	42		46		57		66		70		69		71		56	
	LW CI & UP CI	*38*	*45*	*42*	*50*	*53*	*61*	*62*	*69*	*66*	*73*	*63*	*74*	*62*	*78*	*55*	*58*
Anxiety/Depression	**No problems**	72*		71		69		68		72		74		71		71	
	LW CI & UP CI	*68*	*75*	*68*	*75*	*65*	*72*	*65*	*71*	*68*	*76*	*68*	*78*	*63*	*79*	*69*	*72*
	Problems	28		29		31		32		28		26		29		29	
	LW CI & UP CI	*25*	*32*	*25*	*32*	*28*	*35*	*29*	*35*	*24*	*32*	*22*	*32*	*21*	*37*	*28*	*31*

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Table 48: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the mobility dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**Level 1**	93		90		82		70		67		58		37*		79	
	LW CI & UP CI	89	96	86	93	77	86	65	75	62	72	50	66	25	51	77	81
	Level 2	6		7		13		18		19		22		22*		13	
	LW CI & UP CI	3	9	4	10	9	17	14	22	15	24	16	30	13	34	11	14
	Level 3	1		3		2		9		10		15		31*		6	
	LW CI & UP CI	1	3	1	5	1	5	7	12	7	14	10	23	19	45	5	7
	Level 4			0		1		3		3		4		8*		1	
	LW CI & UP CI			0	1	0	2	2	5	1	5	1	8	3	18	1	2
	Level 5			0		2		0		1		0		3*		1	
	LW CI & UP CI			0	3	1	5	0	1	0	3	0	3	0	17	0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 49: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the mobility dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Mobility	**Level 1**	93		89		84		68		58		52		38		77	
	LW CI & UP CI	90	95	86	91	80	88	63	72	52	63	44	59	27	50	75	78
	Level 2	6		8		10		18		23		21		31		13	
	LW CI & UP CI	4	8	5	10	7	13	14	22	18	28	15	28	21	43	12	15
	Level 3	1		3		4		10		14		22		24		8	
	LW CI & UP CI	0	3	2	5	3	7	7	13	10	18	16	29	15	35	7	9
	Level 4			1		1		4		5		5		6		2	
	LW CI & UP CI			0	2	1	3	3	7	3	9	3	10	3	13	2	3
	Level 5			0				0		1		0		1		0	
	LW CI & UP CI			0	2			0	1	0	3	0	2	0	5	0	0
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 50: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the self-care dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
	Level 1	99		98*		96		94		93		93		83		95	
	LW CI & UP CI	97	99	95	99	93	97	91	96	89	95	88	97	69	92	94	96
	Level 2	1		2*		3		4		5		5		7		3	
	LW CI & UP CI	0	3	1	5	2	6	2	6	3	8	2	10	2	20	2	4
Self-care	**Level 3**	0		0*		1		2		2		2		7		1	
	LW CI & UP CI	0	1			0	4	1	4	1	4	1	5	3	19	1	2
	Level 4							0		1				3		0	
	LW CI & UP CI							0	1	0	3			0	17	0	0
	Level 5							0		0						0	
	LW CI & UP CI							0	2	0	3					0	0
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 51: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the self-care dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Self-care	Level 1	99		98		95		95*		94		92		86		96	
	LW CI & UP CI	97	99	97	99	93	97	92	97	90	96	87	95	76	93	95	96
	Level 2	1		1		3		3*		4		5		7		3	
	LW CI & UP CI	0	3	0	3	2	5	2	5	2	7	2	9	3	16	2	3
	Level 3	0		1		1		2*		1		2		4		1	
	LW CI & UP CI	0	1	0	1	1	3	1	4	1	4	1	6	1	11	1	2
	Level 4					0				1		1				0	
	LW CI & UP CI					0	2			0	3	0	6			0	1
	Level 5					0						0		2		0	
	LW CI & UP CI					0	1					0	2	1	10	0	0
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 52: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the usual activities dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
	Level 1	90		87		80		70		74		71		59		80	
	LW CI & UP CI	86	93	83	90	74	84	65	74	69	79	62	78	45	71	78	82
	Level 2	7		8		12		18		12		17		19		12	
	LW CI & UP CI	5	11	6	12	9	17	14	22	9	16	11	24	10	32	10	13
Usual Activities	**Level 3**	3		4		6		8		10		12		18		6	
	LW CI & UP CI	1	5	2	6	4	10	5	11	7	14	7	18	9	32	5	7
	Level 4			1		1		3		3		1		4		2	
	LW CI & UP CI			0	3	0	2	2	6	1	5	0	3	1	16	1	2
	Level 5	0				1		1		2		0		1		1	
	LW CI & UP CI	0	1			0	3	0	2	1	4	0	2	0	7	0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 53: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the usual activities dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Usual Activities	**Level 1**	86		85		81		74		66		62		51		77	
	LW CI & UP CI	*83*	*89*	*82*	*88*	*77*	*85*	*69*	*78*	*61*	*71*	*54*	*69*	*39*	*62*	*76*	*79*
	Level 2	11		9		9		15		18		18		25		13	
	LW CI & UP CI	*8*	*15*	*7*	*12*	*7*	*12*	*11*	*18*	*14*	*23*	*13*	*25*	*16*	*38*	*12*	*14*
	Level 3	3		3		6		9		12		16		21		7	
	LW CI & UP CI	*1*	*47*	*2*	*5*	*4*	*9*	*6*	*12*	*9*	*16*	*11*	*23*	*13*	*33*	*6*	*8*
	Level 4	0		1		3		2		3		4		2		2	
	LW CI & UP CI			*1*	*3*	*2*	*5*	*1*	*4*	*1*	*5*	*2*	*8*	*0*	*6*	*1*	*3*
	Level 5	0		1		1		1		1		0		1		1	
	LW CI & UP CI			*0*	*2*	*0*	*3*	*0*	*2*	*0*	*3*	*0*	*2*	*0*	*5*	*0*	*1*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 54: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the pain/discomfort dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Pain/Discomfort	**Level 1**	62		52		40		36		33		35		22		44	
	LW CI & UP CI	*55*	*67*	*46*	*58*	*34*	*46*	*31*	*41*	*28*	*38*	*27*	*43*	*13*	*36*	*42*	*47*
	Level 2	31		35		42		39		42		42		47		38	
	LW CI & UP CI	*25*	*37*	*30*	*41*	*36*	*48*	*34*	*44*	*37*	*48*	*34*	*50*	*33*	*60*	*36*	*40*
	Level 3	6		10		14		19		20		19		27		14	
	LW CI & UP CI	*4*	*10*	*7*	*14*	*10*	*18*	*16*	*23*	*16*	*25*	*14*	*27*	*17*	*40*	*13*	*16*
	Level 4	1		2		3		5		4		4		4		3	
	LW CI & UP CI	*0*	*3*	*1*	*4*	*2*	*6*	*3*	*7*	*2*	*7*	*2*	*10*	*2*	*11*	*2*	*4*
	Level 5	0		1		1		1		1						1	
	LW CI & UP CI	*0*	*2*	*0*	*3*	*1*	*3*	*1*	*3*	*0*	*3*					*0*	*1*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 55: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the pain/discomfort dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Pain/Discomfort	**Level 1**	55		55		47		33		28		28*		34		43	
	LW CI & UP CI	*51*	*60*	*50*	*60*	*42*	*52*	*28*	*37*	*23*	*33*	*22*	*36*	*24*	*46*	*41*	*46*
	Level 2	32		34		31		40		37		31*		29		34	
	LW CI & UP CI	*28*	*37*	*29*	*38*	*27*	*36*	*35*	*45*	*32*	*43*	*24*	*39*	*20*	*41*	*32*	*36*
	Level 3	10		8		15		19		26		32*		31		17	
	LW CI & UP CI	*8*	*14*	*6*	*11*	*12*	*19*	*16*	*23*	*21*	*31*	*25*	*40*	*21*	*43*	*15*	*18*
	Level 4	1		2		6		7		8		8*		4		5	
	LW CI & UP CI	*1*	*3*	*1*	*4*	*4*	*9*	*5*	*10*	*5*	*11*	*5*	*14*	*1*	*10*	*4*	*6*
	Level 5	1		0		1		2		2		0*		2		1	
	LW CI & UP CI	*0*	*2*	*0*	*2*	*0*	*3*	*1*	*4*	*1*	*4*	*0*	*2*	*1*	*6*	*1*	*2*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 56: Percentage of male respondents, with 95% confidence intervals, reporting Level 1 to 5, by the anxiety/depression dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
	Level 1	77*		72		72		70		77		78		68		74	
	LW CI & UP CI	71	81	66	77	66	77	66	75	72	82	70	84	54	80	71	76
	Level 2	17*		18		19		19		16		13		24		18	
	LW CI & UP CI	13	22	14	23	15	24	15	23	13	21	9	20	14	38	16	20
Anxiety/ Depression	**Level 3**	5*		8		8		8		5		8		6		7	
	LW CI & UP CI	3	8	5	12	5	12	5	11	3	9	5	15	2	17	6	8
	Level 4	1*		2		0		3		0						1	
	LW CI & UP CI	1	4	1	5	0	1	1	5	0	1					1	2
	Level 5			0		0		1		1				1		0	
	LW CI & UP CI			0	3	0	2	0	2	0	2			0	8	0	1
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 57: Percentage of female respondents, with 95% confidence intervals, reporting Level 1 to 5, by the anxiety/depression dimension and age group, Alberta (2012)

		18-29 (%)		30-39 (%)		40-49 (%)		50-59 (%)		60-69 (%)		70-79 (%)		80+ (%)		Total (%)	
Anxiety/ Depression	**Level 1**	67		71		66		65		67		70*		73		68	
	LW CI & UP CI	*62*	*72*	*66*	*75*	*60*	*70*	*61*	*70*	*61*	*72*	*62*	*76*	*62*	*82*	*66*	*70*
	Level 2	23		19		20		19		21		14*		15		20	
	LW CI & UP CI	*19*	*27*	*16*	*23*	*16*	*25*	*16*	*23*	*16*	*25*	*9*	*20*	*8*	*25*	*18*	*21*
	Level 3	7		8		10		12		10		15*		10		10	
	LW CI & UP CI	*5*	*10*	*6*	*10*	*7*	*13*	*9*	*15*	*7*	*14*	*10*	*21*	*4*	*20*	*8*	*11*
	Level 4	2		2		4		2		2		1*		1		2	
	LW CI & UP CI	*1*	*4*	*1*	*3*	*2*	*6*	*1*	*5*	*1*	*4*	*0*	*6*	*0*	*5*	*2*	*3*
	Level 5	1		1		1		1		1		0*		1		1	
	LW CI & UP CI	*0*	*3*	*0*	*3*	*0*	*2*	*0*	*3*	*0*	*3*	*0*	*2*	*0*	*5*	*1*	*1*
	Total	100		100		100		100		100		100		100		100	

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 58: EQ VAS means and 95% confidence intervals by gender and age group, Alberta (2012)

		Mean	LW CI	UP CI
Males	18-29	83	81	84
	30-39	80	78	81
	40-49	79	78	81
	50-59	75	73	77
	60-69	76	75	78
	70-79	75	73	78
	80+	74	70	78
Females	18-29	83	82	84
	30-39	80	79	82
	40-49	77	75	79
	50-59	77	76	79
	60-69	76	74	78
	70-79	74	72	77
	80+	76	73	80
TOTAL	18-29	83	82	84
	30-39	80	79	81
	40-49	78	77	79
	50-59	76	75	77
	60-69	76	75	77
	70-79	75	73	77
	80+	75	73	78

Table 59: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, South Zone (2012)

		South		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	76	74	79
	Level 2	13	11	15
	Level 3	8	6	10
	Level 4	3	2	4
	Level 5	0	0	1
Self-care	Level 1	95	93	96
	Level 2	3	2	4
	Level 3	2	1	3
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	77	74	79
	Level 2	12	10	14
	Level 3	8	6	10
	Level 4	3	2	4
	Level 5	1	1	2
Pain/Discomfort	Level 1	41	38	45
	Level 2	35	32	38
	Level 3	18	15	20
	Level 4	5	4	6
	Level 5	2	1	3
Anxiety/Depression	Level 1	68	64	71
	Level 2	21	18	24
	Level 3	9	7	11
	Level 4	1	1	2
	Level 5	1	1	2

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 60: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Calgary Zone (2012)

		Calgary Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	79	76	81
	Level 2	13	11	15
	Level 3	6	5	8
	Level 4	2	1	3
	Level 5	0	0	1
Self-care	Level 1	97*	95	97
	Level 2	2*	2	3
	Level 3	1*	1	2
	Level 4	0*	0	1
	Level 5	0*	0	1
Usual Activities	Level 1	80	77	82
	Level 2	12	10	14
	Level 3	7	5	8
	Level 4	1	1	2
	Level 5	1	0	1
Pain/Discomfort	Level 1	46	43	49
	Level 2	36	33	39
	Level 3	14	12	16
	Level 4	3	2	4
	Level 5	1	0	1
Anxiety/Depression	Level 1	71	69	74
	Level 2	18	16	21
	Level 3	8	7	10
	Level 4	1	1	2
	Level 5	1	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 61: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Central Zone (2012)

		Central Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	76	72	78
	Level 2	15	13	18
	Level 3	6	4	7
	Level 4	3	2	4
	Level 5	1	0	1
Self-care	Level 1	94	93	96
	Level 2	4	3	5
	Level 3	2	1	3
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	76	73	79
	Level 2	13	11	16
	Level 3	8	6	10
	Level 4	2	1	3
	Level 5	1	0	1
Pain/Discomfort	Level 1	41	38	45
	Level 2	35	32	39
	Level 3	18	15	21
	Level 4	5	4	6
	Level 5	1	0	2
Anxiety/Depression	Level 1	69	66	72
	Level 2	19	16	22
	Level 3	9	7	11
	Level 4	1	1	3
	Level 5	2	1	3

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 62: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, Edmonton Zone (2012)

		Edmonton Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	78	76	81
	Level 2	12	10	14
	Level 3	7	6	9
	Level 4	2	1	2
	Level 5	1	0	1
Self-care	Level 1	95	94	96
	Level 2	3	2	5
	Level 3	1	1	2
	Level 4	0	0	1
	Level 5	0	0	1
Usual Activities	Level 1	80	77	82
	Level 2	12	10	14
	Level 3	6	5	8
	Level 4	2	1	3
	Level 5	1	0	1
Pain/Discomfort	Level 1	44	41	47
	Level 2	36	33	39
	Level 3	15	13	17
	Level 4	4	3	5
	Level 5	1	1	2
Anxiety/Depression	Level 1	71	68	74
	Level 2	18	16	20
	Level 3	8	7	10
	Level 4	2	1	3
	Level 5	1	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 63: Percentage of respondents, with 95% confidence intervals, by EQ-5D-5L dimension, North Zone (2012)

		North Zone		
		Percent	**LW CI (%)**	**UP CI (%)**
Mobility	Level 1	77	74	80
	Level 2	14	12	16
	Level 3	7	5	9
	Level 4	2	2	4
	Level 5	0	0	1
Self-care	Level 1	96	94	97
	Level 2	3	2	4
	Level 3	1	1	2
	Level 4	0	0	1
	Level 5			
Usual Activities	Level 1	76	73	79
	Level 2	15	13	18
	Level 3	7	5	8
	Level 4	2	1	3
	Level 5	1	0	2
Pain/Discomfort	Level 1	41	37	44
	Level 2	36	33	40
	Level 3	17	15	20
	Level 4	5	3	6
	Level 5	1	1	2
Anxiety/Depression	Level 1	70*	67	73
	Level 2	20*	18	23
	Level 3	7*	6	9
	Level 4	2*	1	3
	Level 5	0*	0	1

Note: **Level 1** (no problem), **Level 2** (slight problem), **Level 3** (moderate problem), **Level 4** (severe problem), **Level 5** (extreme problem)

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 64: EQ VAS mean values and 95% confidence intervals by AHS zone, (2012)

	Mean	LW CI	UP CI
South	78	77	79
Calgary	79	78	80
Central	78	77	79
Edmonton	78	78	79
North	77	76	78

Table 65: Male EQ-5D-5L counts by age group, Alberta (2012)

Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	206	542	649	217
Slight problems walking	12	46	168	77
Moderate problems walking	3	14	76	54
Severe problems walking		2	20	16
Are you unable to walk		5	2	6
Total	**222**	**605**	**915**	**370**
Self-Care				
No problems washing or dressing yourself	217	596	852	341
Slight problems washing or dressing yourself	4	11	40	17
Moderate problems washing or dressing yourself		3	18	9
Severe problems washing or dressing yourself			2	2
Are you unable to wash or dress yourself			3	
Total	**221**	**610**	**915**	**370**
Usual Activities				
No problems doing your usual activities	201	523	656	263
Slight problems doing your usual activities	15	58	138	57
Moderate problems doing your usual activities	7	23	79	39
Severe problems doing your usual activities		5	26	6
Are you unable to do your usual activities		1	14	0
Total	**222**	**610**	**913**	**370**
Pain/Discomfort				
No pain or discomfort	141	298	324	122
Slight pain or discomfort	63	232	362	157
Moderate pain or discomfort	15	60	175	76
Severe pain or discomfort	2	14	42	14
Extreme pain or discomfort	1	4	11	0
Total	**222**	**608**	**914**	**369**
Anxiety/Depression				
Not anxious or depressed	173*	442	650	283
Slightly anxious or depressed	36*	106	177	57
Moderately anxious or depressed	12*	44	67	25
Severely anxious or depressed	1*	10	15	2
Extremely anxious or depressed		3	3	
Total	**222**	**605**	**912**	**367**

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 66: Female EQ-5D-5L counts by age group, Alberta (2012)

| Mobility	18 – 24	25 – 44	45 – 64	65 +
No problems walking	281	904*	620	213
Slight problems walking	22	61*	160	117
Moderate problems walking	4	30*	98	77
Severe problems walking		6*	39	24
Are you unable to walk		1*	3	2
Total	**307**	**1,002**	**921**	**433**
Self-Care				
No problems washing or dressing yourself	303	981	866*	399
Slight problems washing or dressing yourself	1	17	31*	22
Moderate problems washing or dressing yourself	1	6	21*	8
Severe problems washing or dressing yourself		1	4*	2
Are you unable to wash or dress yourself				3
Total	**307**	**1,004**	**922**	**434**
Usual Activities				
No problems doing your usual activities	267	855	660	265
Slight problems doing your usual activities	34	90	140	84
Moderate problems doing your usual activities	6	38	86	10
Severe problems doing your usual activities		13	28	11
Are you unable to do your usual activities		8	6	2
Total	**307**	**1,004**	**920**	**431**
Pain/Discomfort				
No pain or discomfort	174	540	300	127*
Slight pain or discomfort	98	317	358	137*
Moderate pain or discomfort	29	109	176	137*
Severe pain or discomfort	4	30	67	26*
Extreme pain or discomfort	1	6	19	4*
Total	**307**	**1,002**	**920**	**431**
Anxiety/Depression				
Not anxious or depressed	208	686	605	294
Slightly anxious or depressed	73	200	173	73
Moderately anxious or depressed	17	83	100	58
Severely anxious or depressed	5	21	24	5
Extremely anxious or depressed	4	9	12	2
Total	**307**	**1,000**	**914**	**432**

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 67: Male EQ-5D-5L percentages by age group, Alberta (2012)

Mobility	18 – 24 (%)	25 – 44 (%)	45 – 64 (%)	65 + (%)
No problems walking	93	89	71	59
Slight problems walking	6	7	18	21
Moderate problems walking	2	2	8	15
Severe problems walking	0	0	2	4
Are you unable to walk	0	1	0	2
Missing	0	0	0	0
Self-Care				
No problems washing or dressing yourself	98	98	93	92
Slight problems washing or dressing yourself	2	2	4	5
Moderate problems washing or dressing yourself	0	0	2	3
Severe problems washing or dressing yourself	0	0	0	1
Are you unable to wash or dress yourself	0	0	0	0
Missing	1	0	0	0
Usual Activities				
No problems doing your usual activities	90	86	72	71
Slight problems doing your usual activities	7	9	15	15
Moderate problems doing your usual activities	3	4	9	11
Severe problems doing your usual activities	0	1	3	2
Are you unable to do your usual activities	0	0	2	1
Missing	0	0	0	0
Pain/Discomfort				
No pain or discomfort	63	49	35	33
Slight pain or discomfort	28	38	40	42
Moderate pain or discomfort	7	10	19	21
Severe pain or discomfort	1	2	5	4
Extreme pain or discomfort	0	1	1	0
Missing	0	1	0	0
Anxiety/Depression				
Not anxious or depressed	78*	73	71	77
Slightly anxious or depressed	16*	17	19	16
Moderately anxious or depressed	5*	7	7	7
Severely anxious or depressed	1*	2	2	0
Extremely anxious or depressed	0*	0	0	1
Missing	0	1	0	1

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Table 68: Female EQ-5D-5L percentages by age group, Alberta (2012)

Mobility	18 – 24 (%)	25 – 44 (%)	45 – 64 (%)	65 + (%)
No problems walking	92	90*	67	49
Slight problems walking	7	6*	17	27
Moderate problems walking	1	3*	11	18
Severe problems walking	0	1*	4	6
Are you unable to walk	0	0*	0	0
Missing	0	0*	0	0
Self-Care				
No problems washing or dressing yourself	99	98	94*	92
Slight problems washing or dressing yourself	1	2	3*	5
Moderate problems washing or dressing yourself	0	1	2*	2
Severe problems washing or dressing yourself	0	0	0*	1
Are you unable to wash or dress yourself	0	0	0*	1
Missing	0	0	0*	0
Usual Activities				
No problems doing your usual activities	87	85	72	61
Slight problems doing your usual activities	11	9	15	19
Moderate problems doing your usual activities	2	4	9	16
Severe problems doing your usual activities	0	1	3	2
Are you unable to do your usual activities	0	1	1	0
Missing	0	0	0	1
Pain/Discomfort				
No pain or discomfort	57	54	32	29*
Slight pain or discomfort	32	32	39	32*
Moderate pain or discomfort	10	11	19	32*
Severe pain or discomfort	1	3	7	6*
Extreme pain or discomfort	0	1	2	1*
Missing	0	0	0	1*
Anxiety/Depression				
Not anxious or depressed	68	68	66	68
Slightly anxious or depressed	24	20	19	17
Moderately anxious or depressed	6	8	11	13
Severely anxious or depressed	2	2	3	1
Extremely anxious or depressed	1	1	1	0
Missing	0	0	1	1

*Indicates significant difference versus 2014 results (p ≤ 0.05)

Values are rounded to the nearest whole number; values less than 0.4 are round to 0.

Figure 18: Histogram of EQ-VAS scores for Alberta, (2012)
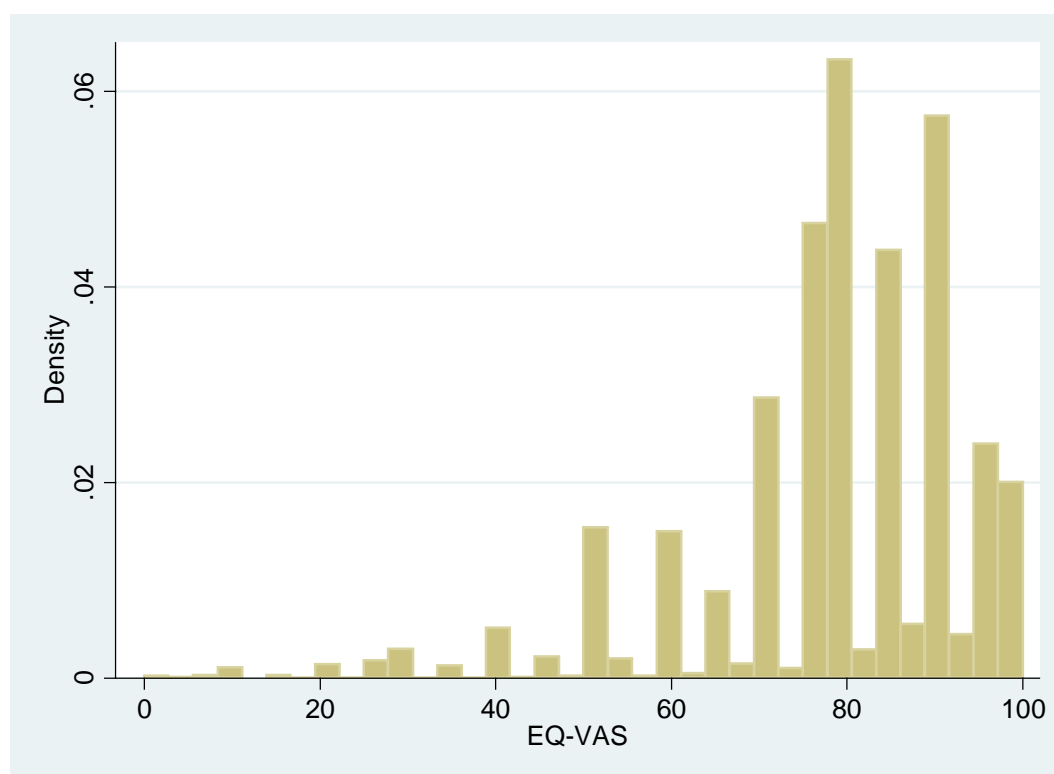
Figure 19: Histogram of EQ-VAS scores for females, Alberta (2012)
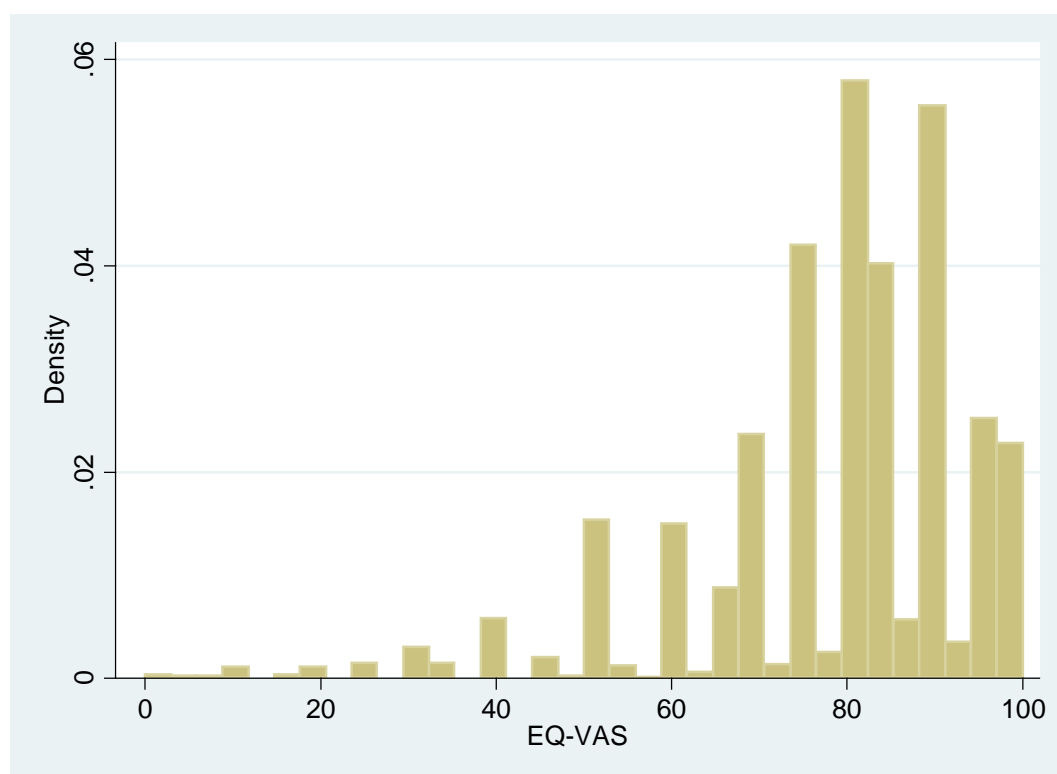
Figure 20: Histogram of EQ-VAS scores for males, Alberta (2012)
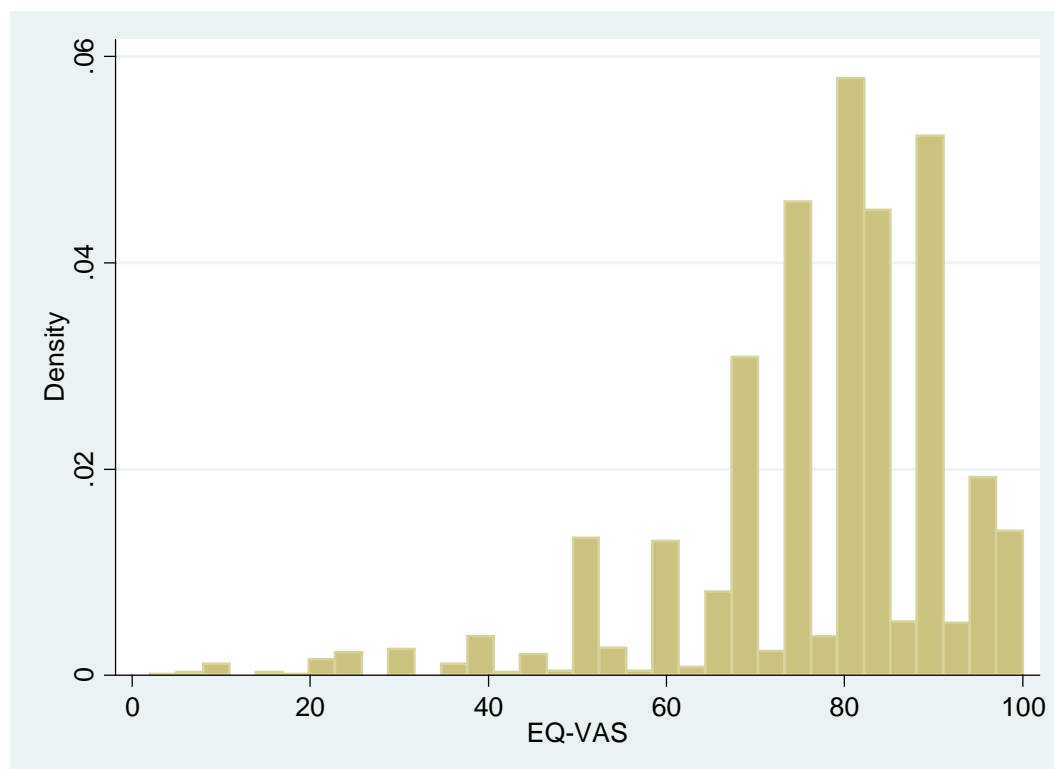
Figure 21: Box and Whisker plot of EQ-VAS by 7 age categories, Alberta (2012)
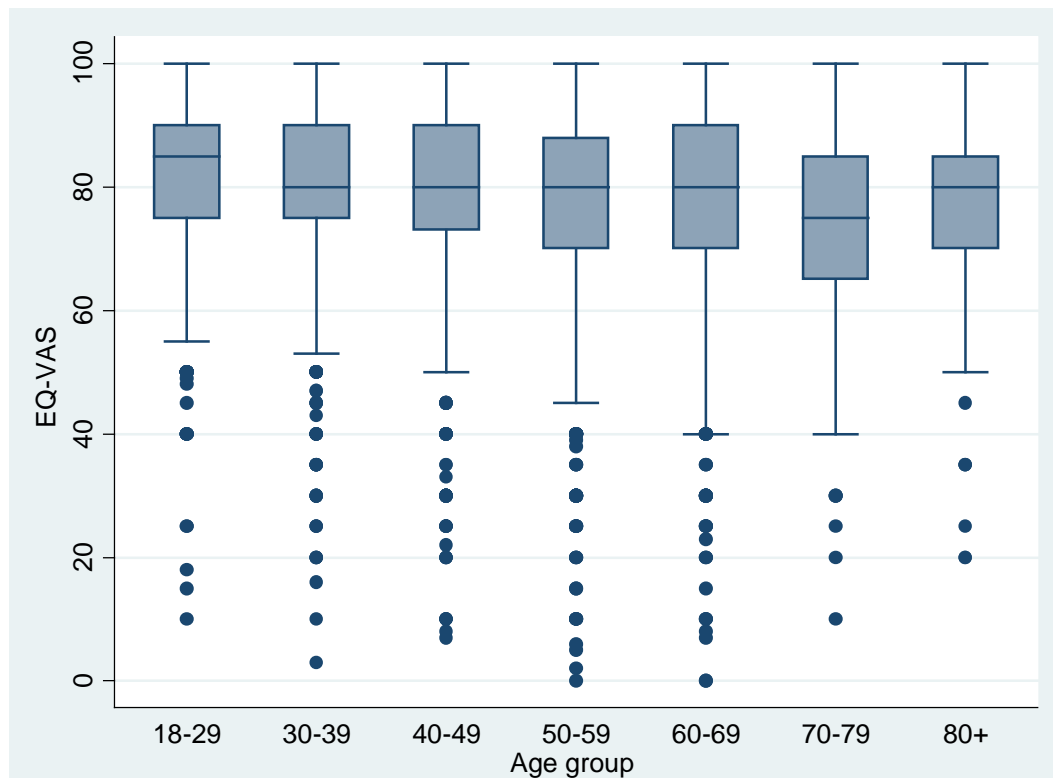
Figure 22: Box and Whisker plot of EQ-VAS for males by 7 age categories, Alberta (2012)
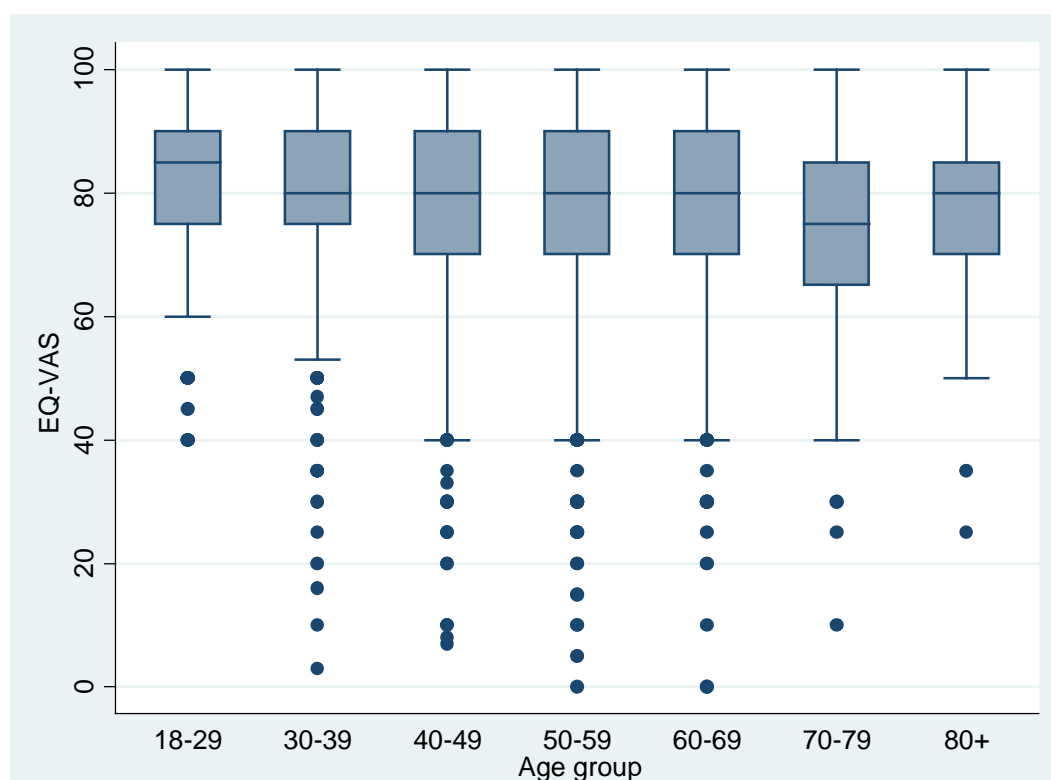
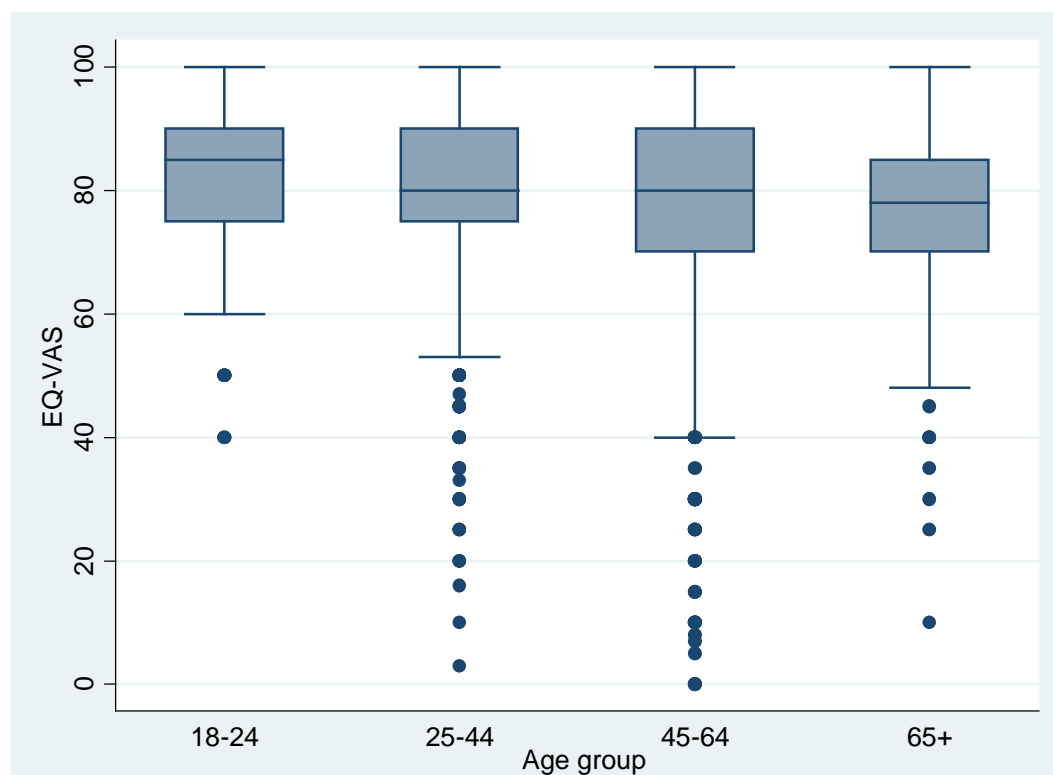**Figure 23:** Box and Whisker plot of EQ-VAS for females by 7 age categories, Alberta (2012)
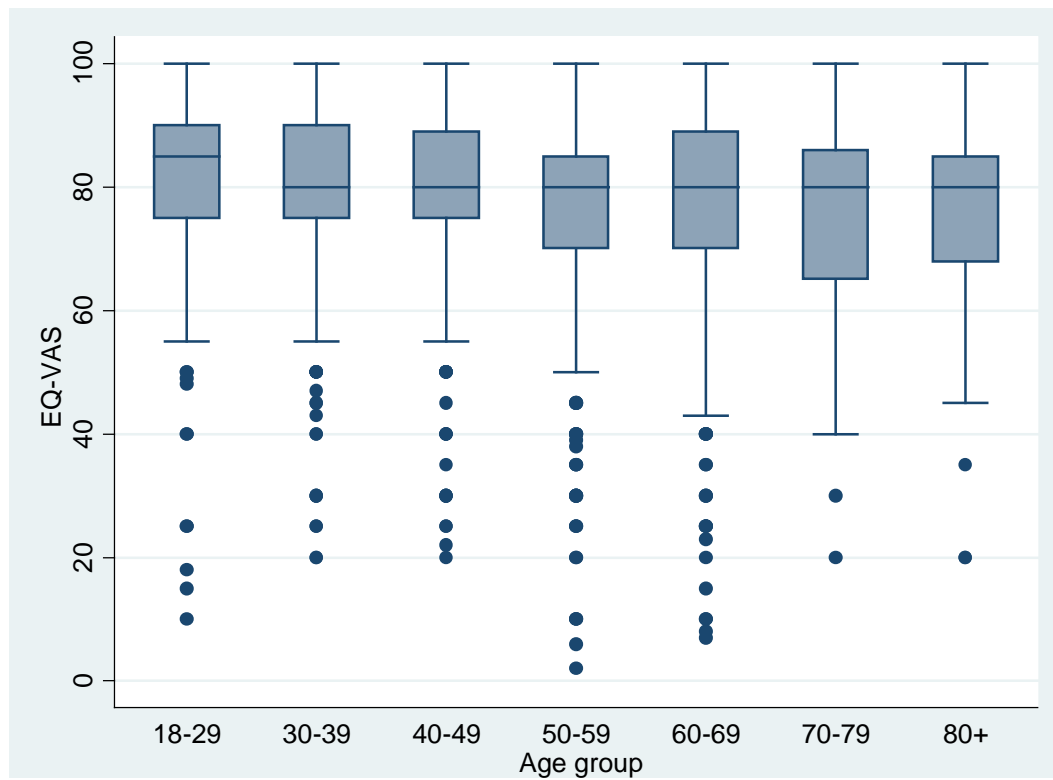
Figure 24: Box and Whisker plot of EQ-VAS for 4 age categories, Alberta (2012)
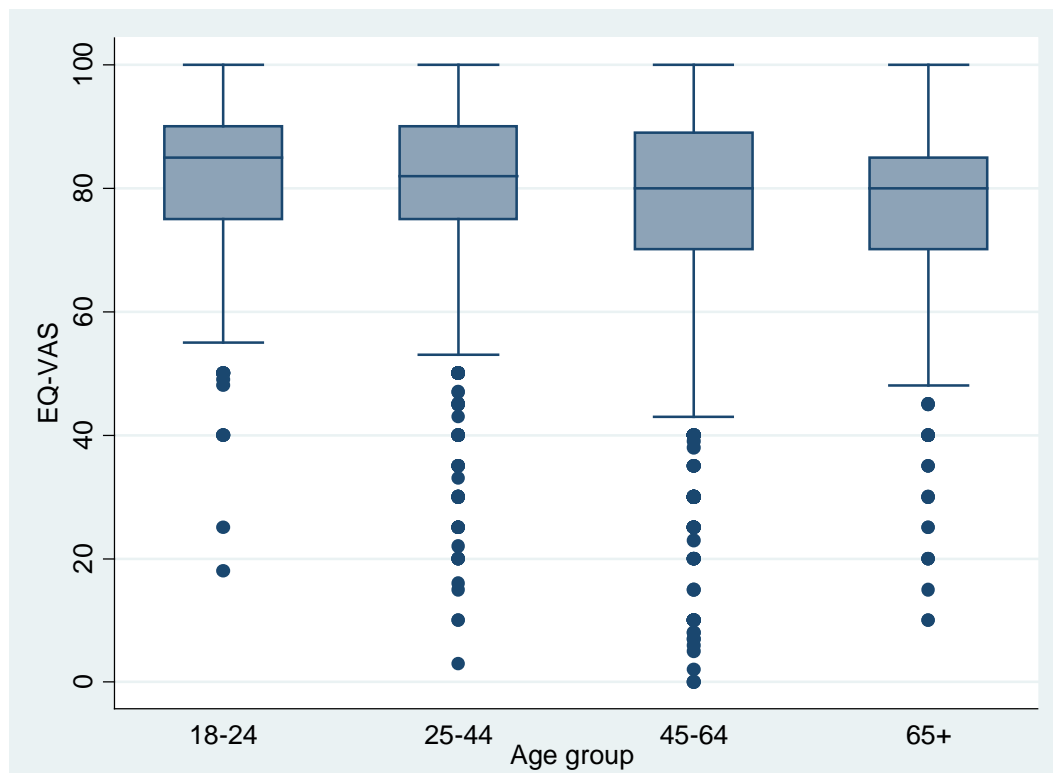
Figure 25: Box and Whisker plot of EQ-VAS for males by 4 age categories, Alberta (2012)
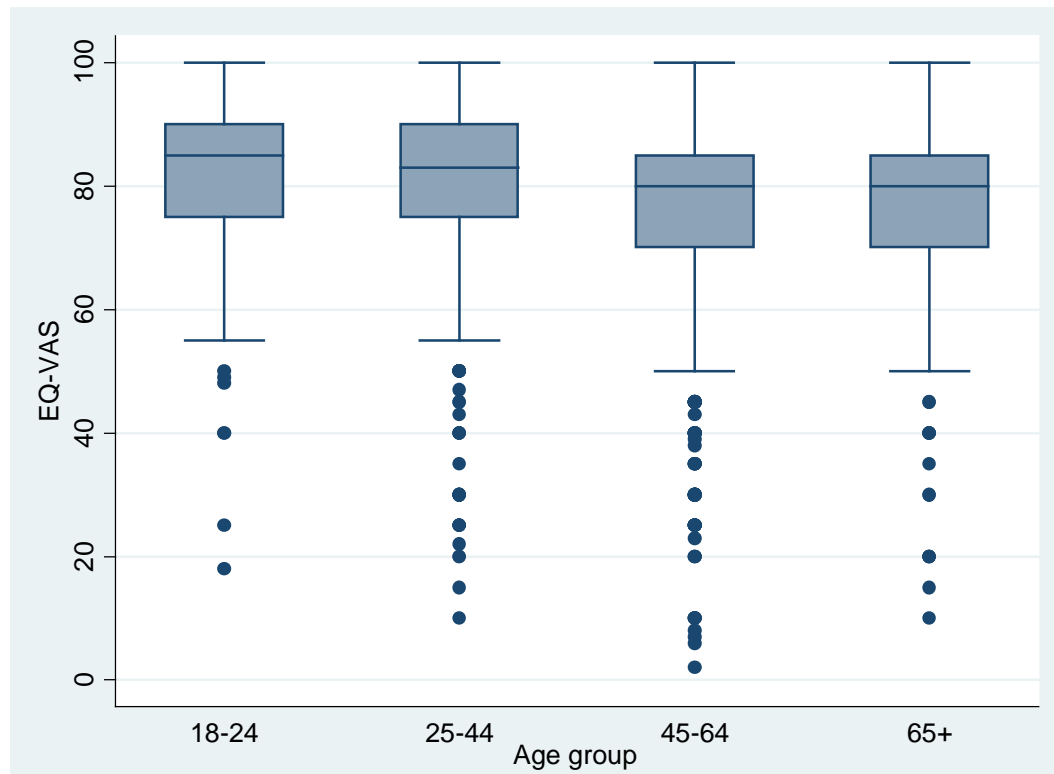
Figure 26: Box and Whisker plot of EQ-VAS for females by 4 age categories, Alberta (2012)

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