

AQoL- 6D Population Norms

The AQoL-6D, with background demographic questions, was posted to randomly selected members of the public, aged 18 years and over, in postcode areas selected to represent a cross section of Australian SEIFA (Socio Economic Index for Area) groups. Respondents came from a broad range of Victorian metropolitan and regional areas.

One thousand and forty seven (N = 1047) questionnaires were completed for gender and age group variables (393 males and 654 females), and 977 cases reported education. The mean and median age of this sample population was 48 years and 49 years respectively.

AQoL-6D utility scores were computed using the standard AQoL-6D algorithm and reported in **Table 1**.

Table 1: AQoL-6D Population Norms by Age and Gender

Age Group	Gender	N	AQoL-6D Utility Score		
			Mean	SE	95% CI
15 to 24 years	Male	36	0.77	0.035	0.70 - 0.84
	Female	42	0.78	0.031	0.72 - 0.84
	All	78	0.78	0.024	0.73 - 0.82
25 to 34 years	Male	53	0.83	0.016	0.80 - 0.86
	Female	90	0.81	0.017	0.77 - 0.84
	All	143	0.82	0.013	0.79 - 0.84
35 to 44 years	Male	64	0.83	0.016	0.80 - 0.86
	Female	136	0.83	0.010	0.81 - 0.85
	All	200	0.83	0.008	0.81 - 0.85
45 to 54 years	Male	85	0.83	0.017	0.79 - 0.86
	Female	157	0.77	0.017	0.74 - 0.81
	All	242	0.79	0.013	0.77 - 0.82
55 to 64 years	Male	97	0.79	0.020	0.75 - 0.83
	Female	153	0.80	0.015	0.77 - 0.83
	All	250	0.80	0.012	0.77 - 0.82
65 to 74 years	Male	43	0.78	0.029	0.72 - 0.84
	Female	53	0.75	0.030	0.69 - 0.81
	All	96	0.77	0.020	0.73 - 0.81
75 years +	Male	15	0.79	0.026	0.74 - 0.84
	Female	23	0.73	0.038	0.65 - 0.80
	All	38	0.75	0.024	0.70 - 0.80
Total	Male	393	0.81	0.009	0.79 - 0.83
	Female	654	0.79	0.007	0.78 - 0.81
	All	1047	0.80	0.006	0.79 - 0.81

Note that these utilities cannot be directly compared with utilities measured on other scales, including other AQoL scales. Scores are relative to the AQoL-6D “all best” health state which is significantly better than the best health state on other scales. Transformation between scales is possible.

Population norms are reported for each of the AQoL-6D dimensions in **Tables 2.1-2.6**. They are the average of dimension scores, each of which is calculated as a utility (preference) weighted average of the item responses in the dimension (using a multiplicative averaging formula). Dimension scores cannot be directly compared as each is measured on a ‘dimension best’, ‘dimension worst’ scale defined by the items in the dimension and these ‘best’-‘worst’ states are not comparable. The AQoL-6D utility algorithm combines dimensions using utility weights which reflect the relative importance of dimensions.

Table 2: AQoL-6D Population Norms by Highest Level of Education

Highest Level of Education	N	Mean	SE	95% CI for Mean	
				Lower Bound	Upper Bound
Primary schooling only	23	0.66	0.069	0.52	0.80
High School	235	0.76	0.014	0.73	0.78
Secondary schooling not completed or Trade	65	0.78	0.022	0.74	0.83
Trade qualification or TAFE	111	0.78	0.017	0.75	0.82
University or other tertiary study	529	0.83	0.006	0.81	0.84
Other or not applicable	14	0.72	0.064	0.58	0.85
Total	977	0.80	0.006	0.79	0.81

Table 2-1 AQoL-6D Population Norms By Dimension: Independent Living

Age Group	Gender	Independent Living Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.92	0.020	0.88	0.96
	Female	42	0.94	0.015	0.91	0.97
	Total	78	0.93	0.012	0.91	0.95
25 to 34 years	Male	55	0.94	0.013	0.91	0.97
	Female	92	0.93	0.014	0.90	0.96
	Total	147	0.93	0.010	0.91	0.95
35 to 44 years	Male	64	0.95	0.010	0.93	0.97
	Female	145	0.94	0.007	0.93	0.96
	Total	209	0.94	0.006	0.93	0.96
45 to 54 years	Male	87	0.93	0.013	0.91	0.96
	Female	160	0.91	0.013	0.89	0.94
	Total	247	0.92	0.010	0.90	0.94
55 to 64 years	Male	98	0.88	0.018	0.84	0.92
	Female	159	0.89	0.013	0.86	0.91
	Total	257	0.88	0.011	0.86	0.91
65 to 74 years	Male	44	0.88	0.024	0.84	0.93
	Female	54	0.81	0.030	0.75	0.87
	Total	98	0.84	0.020	0.80	0.88
75 years +	Male	16	0.81	0.050	0.70	0.91
	Female	23	0.77	0.038	0.69	0.85
	Total	39	0.78	0.029	0.72	0.84
Total	Male	400	0.91	0.007	0.90	0.93
	Female	675	0.90	0.006	0.89	0.92
	Total	1075	0.91	0.005	0.90	0.92

Table 2-2 AqoL-6D Population Norms By Dimension: Relationships

Age Group	Gender	Relationships Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.82	0.045	0.73	0.91
	Female	42	0.86	0.032	0.79	0.93
	Total	78	0.84	0.027	0.79	0.90
25 to 34 years	Male	55	0.91	0.022	0.87	0.96
	Female	91	0.91	0.014	0.88	0.94
	Total	146	0.91	0.012	0.89	0.93
35 to 44 years	Male	64	0.91	0.016	0.87	0.94
	Female	144	0.92	0.010	0.90	0.94
	Total	208	0.92	0.008	0.90	0.93
45 to 54 years	Male	87	0.89	0.020	0.85	0.93
	Female	159	0.88	0.015	0.85	0.91
	Total	246	0.89	0.012	0.86	0.91
55 to 64 years	Male	98	0.89	0.019	0.85	0.92
	Female	156	0.91	0.013	0.88	0.93
	Total	254	0.90	0.011	0.88	0.92
65 to 74 years	Male	44	0.90	0.027	0.84	0.95
	Female	55	0.86	0.026	0.81	0.91
	Total	99	0.88	0.018	0.84	0.91
75 years +	Male	16	0.90	0.025	0.84	0.95
	Female	23	0.84	0.038	0.76	0.92
	Total	39	0.86	0.024	0.81	0.91
Total	Male	400	0.89	0.009	0.87	0.91
	Female	670	0.90	0.006	0.88	0.91
	Total	1070	0.89	0.005	0.88	0.90

Table 2-3 AQoL-6D Population Norms By Dimension: Mental Health

Age Group	Gender	Mental Health Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.59	0.032	0.52	0.65
	Female	42	0.52	0.042	0.44	0.61
	Total	78	0.55	0.027	0.50	0.61
25 to 34 years	Male	54	0.64	0.031	0.58	0.70
	Female	92	0.57	0.025	0.52	0.62
	Total	146	0.60	0.020	0.56	0.64
35 to 44 years	Male	64	0.66	0.025	0.61	0.71
	Female	142	0.59	0.018	0.56	0.63
	Total	206	0.61	0.015	0.58	0.64
45 to 54 years	Male	86	0.67	0.023	0.62	0.71
	Female	159	0.57	0.019	0.54	0.61
	Total	245	0.61	0.015	0.58	0.64
55 to 64 years	Male	98	0.70	0.022	0.66	0.75
	Female	157	0.68	0.017	0.65	0.71
	Total	255	0.69	0.013	0.66	0.71
65 to 74 years	Male	44	0.69	0.032	0.62	0.75
	Female	55	0.62	0.027	0.57	0.68
	Total	99	0.65	0.021	0.61	0.69
75 years +	Male	16	0.65	0.050	0.54	0.75
	Female	23	0.64	0.050	0.54	0.74
	Total	39	0.64	0.035	0.57	0.72
Total	Male	398	0.67	0.011	0.64	0.69
	Female	670	0.61	0.009	0.59	0.62
	Total	1068	0.63	0.007	0.61	0.64

Table 2-4 AQL-6D Population Norms By Dimension: Coping

Age Group	Gender	Coping Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.78	0.037	0.70	0.85
	Female	42	0.74	0.043	0.66	0.83
	Total	78	0.76	0.028	0.70	0.81
25 to 34 years	Male	54	0.81	0.026	0.76	0.87
	Female	92	0.78	0.024	0.73	0.82
	Total	146	0.79	0.018	0.76	0.83
35 to 44 years	Male	64	0.81	0.020	0.77	0.85
	Female	143	0.82	0.014	0.79	0.85
	Total	207	0.82	0.012	0.79	0.84
45 to 54 years	Male	86	0.84	0.017	0.80	0.87
	Female	159	0.79	0.016	0.76	0.82
	Total	245	0.81	0.012	0.78	0.83
55 to 64 years	Male	98	0.83	0.017	0.80	0.87
	Female	157	0.84	0.013	0.81	0.86
	Total	255	0.84	0.010	0.82	0.86
65 to 74 years	Male	44	0.83	0.024	0.78	0.88
	Female	55	0.82	0.027	0.76	0.87
	Total	99	0.82	0.018	0.79	0.86
75 years +	Male	15	0.81	0.036	0.73	0.89
	Female	23	0.77	0.042	0.68	0.85
	Total	38	0.78	0.029	0.73	0.84
Total	Male	397	0.82	0.009	0.81	0.84
	Female	671	0.80	0.008	0.79	0.82
	Total	1068	0.81	0.006	0.80	0.82

Table 2-5 AQL-6D Population Norms By Dimension: Pain

Age Group	Gender	Pain Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.83	0.042	0.74	0.91
	Female	42	0.83	0.035	0.76	0.90
	Total	78	0.83	0.027	0.77	0.88
25 to 34 years	Male	55	0.86	0.028	0.81	0.92
	Female	92	0.83	0.022	0.79	0.88
	Total	147	0.84	0.017	0.81	0.88
35 to 44 years	Male	64	0.82	0.026	0.77	0.87
	Female	144	0.85	0.014	0.82	0.88
	Total	208	0.84	0.013	0.81	0.86
45 to 54 years	Male	86	0.82	0.025	0.77	0.87
	Female	160	0.79	0.019	0.75	0.82
	Total	246	0.80	0.015	0.77	0.83
55 to 64 years	Male	98	0.75	0.025	0.70	0.80
	Female	159	0.74	0.020	0.70	0.78
	Total	257	0.75	0.016	0.72	0.78
65 to 74 years	Male	43	0.73	0.044	0.64	0.82
	Female	54	0.71	0.038	0.63	0.78
	Total	97	0.72	0.028	0.66	0.77
75 years +	Male	16	0.84	0.028	0.78	0.90
	Female	23	0.70	0.056	0.58	0.81
	Total	39	0.75	0.037	0.68	0.83
Total	Male	398	0.80	0.012	0.78	0.82
	Female	674	0.79	0.009	0.77	0.81
	Total	1072	0.79	0.007	0.78	0.81

Table 2-6 AQoL-6D Population Norms By Dimension: Senses

Age Group	Gender	Senses Dimension				
		N	Mean	SE	95% CI for Mean	
					LB	UB
15 to 24 years	Male	36	0.92	0.023	0.87	0.96
	Female	42	0.95	0.012	0.92	0.97
	Total	78	0.93	0.012	0.91	0.96
25 to 34 years	Male	55	0.93	0.012	0.90	0.95
	Female	91	0.95	0.008	0.93	0.97
	Total	146	0.94	0.007	0.93	0.95
35 to 44 years	Male	64	0.94	0.009	0.93	0.96
	Female	144	0.94	0.007	0.93	0.96
	Total	208	0.94	0.006	0.93	0.95
45 to 54 years	Male	87	0.89	0.012	0.87	0.91
	Female	159	0.91	0.009	0.89	0.93
	Total	246	0.90	0.007	0.89	0.92
55 to 64 years	Male	97	0.88	0.011	0.86	0.90
	Female	158	0.90	0.007	0.89	0.92
	Total	255	0.89	0.006	0.88	0.91
65 to 74 years	Male	44	0.90	0.012	0.88	0.92
	Female	55	0.90	0.011	0.87	0.92
	Total	99	0.90	0.008	0.88	0.91
75 years +	Male	16	0.88	0.020	0.84	0.92
	Female	23	0.88	0.019	0.84	0.92
	Total	39	0.88	0.013	0.85	0.91
Total	Male	399	0.90	0.005	0.89	0.91
	Female	672	0.92	0.003	0.91	0.93
	Total	1071	0.91	0.003	0.91	0.92