


Demographic and Human Development Indicators

Australia (Males 1925-2005)																				
Human Development Stages																				
Age Groups estimated with the Health State Methodology (Years)																				
1925	0		9.7		13.1		15.4		18.3		20.8	EARLY DEVELOPMENT	23.6		27.2		33.4	MIDDLE AGES	77.1	VERY OLD
1930	0	INFANT	9.7	ADOLESCENT	13.3	ADOLESCENT	15.8	ADOLESCENT	19.0	ADOLESCENT	21.7	ADOLESCENT	24.8	MIDDLE DEVELOPMENT	28.8	ADOLESCENT	34.2	MIDDLE AGES	77.5	VERY OLD
1940	0	CHILD	8.5	ADOLESCENT	12.2	ADOLESCENT	14.5	ADOLESCENT	17.6	ADOLESCENT	20.2	ADOLESCENT	23.1	MIDDLE DEVELOPMENT	26.9	ADOLESCENT	33.4	MIDDLE AGES	76.7	VERY OLD
1950	0	ADOLESCENT	8.0	ADOLESCENT	12.0	ADOLESCENT	14.6	MIDDLE DEVELOPMENT	17.9	ADOLESCENT	20.8	ADOLESCENT	24.1	MIDDLE DEVELOPMENT	28.2	ADOLESCENT	33.8	MIDDLE AGES	76.4	VERY OLD
1960	0	ADOLESCENT	7.7	ADOLESCENT	11.9	ADOLESCENT	14.5	MIDDLE DEVELOPMENT	17.9	ADOLESCENT	20.7	ADOLESCENT	24.0	MIDDLE DEVELOPMENT	28.2	ADOLESCENT	33.9	MIDDLE AGES	76.8	VERY OLD
1970	0	ADOLESCENT	8.2	ADOLESCENT	12.5	ADOLESCENT	14.9	MIDDLE DEVELOPMENT	17.9	ADOLESCENT	20.5	ADOLESCENT	23.5	MIDDLE DEVELOPMENT	27.3	ADOLESCENT	33.7	MIDDLE AGES	76.4	VERY OLD
1980	0	ADOLESCENT	8.2	ADOLESCENT	12.5	ADOLESCENT	15.0	MIDDLE DEVELOPMENT	18.2	ADOLESCENT	20.9	ADOLESCENT	24.0	MIDDLE DEVELOPMENT	28.0	ADOLESCENT	35.0	MIDDLE AGES	79.0	VERY OLD
1990	0	ADOLESCENT	7.4	ADOLESCENT	11.8	ADOLESCENT	15.0	MIDDLE DEVELOPMENT	19.1	ADOLESCENT	22.6	ADOLESCENT	26.7	MIDDLE DEVELOPMENT	31.9	ADOLESCENT	37.9	MIDDLE AGES	81.4	VERY OLD
2000	0	ADOLESCENT	7.6	ADOLESCENT	11.7	ADOLESCENT	15.2	MIDDLE DEVELOPMENT	19.5	ADOLESCENT	23.2	ADOLESCENT	27.6	MIDDLE DEVELOPMENT	33.0	ADOLESCENT	40.3	MIDDLE AGES	84.5	VERY OLD
2005	0		8.2		12.3		15.4		19.4		22.7		26.6		31.5		40.3		86.0	

Australia (Females 1925-2005)																				
1925	0		10.3		14.2		17.5		21.6		25.1	EARLY DEVELOPMENT	29.2		34.3		38.5	MIDDLE AGES	79.9	VERY OLD
1930	0	INFANT	10.4	ADOLESCENT	14.6	ADOLESCENT	17.8	ADOLESCENT	21.8	ADOLESCENT	25.3	ADOLESCENT	29.3	MIDDLE DEVELOPMENT	34.3	ADOLESCENT	38.5	MIDDLE AGES	80.5	VERY OLD
1940	0	CHILD	10.2	ADOLESCENT	13.7	ADOLESCENT	17.3	ADOLESCENT	21.8	ADOLESCENT	25.6	ADOLESCENT	30.1	MIDDLE DEVELOPMENT	35.7	ADOLESCENT	38.0	MIDDLE AGES	80.2	VERY OLD
1950	0	ADOLESCENT	-	ADOLESCENT	-	ADOLESCENT	-	MIDDLE DEVELOPMENT	-	ADOLESCENT	-	ADOLESCENT	-	MIDDLE DEVELOPMENT	-	ADOLESCENT	36.5	MIDDLE AGES	81.0	VERY OLD
1960	0	ADOLESCENT	8.1	ADOLESCENT	10.8	ADOLESCENT	13.4	MIDDLE DEVELOPMENT	16.7	ADOLESCENT	19.5	ADOLESCENT	22.7	MIDDLE DEVELOPMENT	26.8	ADOLESCENT	36.5	MIDDLE AGES	82.4	VERY OLD
1970	0	ADOLESCENT	9.9	ADOLESCENT	13.0	ADOLESCENT	14.5	MIDDLE DEVELOPMENT	16.5	ADOLESCENT	18.2	ADOLESCENT	20.1	MIDDLE DEVELOPMENT	22.6	ADOLESCENT	35.7	MIDDLE AGES	82.9	VERY OLD
1980	0	ADOLESCENT	9.4	ADOLESCENT	12.7	ADOLESCENT	14.5	MIDDLE DEVELOPMENT	16.8	ADOLESCENT	18.8	ADOLESCENT	21.0	MIDDLE DEVELOPMENT	23.9	ADOLESCENT	37.5	MIDDLE AGES	85.5	VERY OLD
1990	0	ADOLESCENT	8.6	ADOLESCENT	12.2	ADOLESCENT	14.4	MIDDLE DEVELOPMENT	17.3	ADOLESCENT	19.7	ADOLESCENT	22.5	MIDDLE DEVELOPMENT	26.0	ADOLESCENT	39.0	MIDDLE AGES	86.7	VERY OLD
2000	0	ADOLESCENT	8.8	ADOLESCENT	12.1	ADOLESCENT	14.1	MIDDLE DEVELOPMENT	16.6	ADOLESCENT	18.7	ADOLESCENT	21.1	MIDDLE DEVELOPMENT	24.2	ADOLESCENT	42.1	MIDDLE AGES	88.6	VERY OLD
2005	0		9.0		12.3		14.1		16.4		18.4		20.7		23.6		43.6		89.5	

Australia (Males 1925-2005)													
Healthy Life Expectancy at Birth (HLEB) & Loss of Healthy Life Years (LHLY)										Expected Health State	Total Health State		
	LHLY1	LHLY3	LHLY Light	LHLY Total	HLEB Total	HLEB Moderate & Severe	HLEB Severe	LEB from Data	LEB from Fit	From Data	From Fit	From Data	From Fit
1925	6.3	10.7	3.8	14.5	46.0	49.9	54.2	60.5	60.5	35.7	35.6	870	866
1930	6.4	10.5	3.3	13.8	48.5	51.8	55.9	62.3	62.5	36.0	35.8	898	888
1940	6.0	9.3	3.1	12.4	51.2	54.3	57.7	63.7	63.8	35.5	35.2	900	889
1950	6.0	9.2	2.6	11.8	54.4	57.0	60.2	66.2	66.3	35.0	35.0	910	907
1960	5.6	8.5	2.9	11.4	56.3	59.1	62.1	67.7	67.9	35.1	35.1	934	932
1970	5.7	8.7	2.7	11.4	56.4	59.0	62.0	67.7	68.0	35.0	34.9	939	931
1980	5.5	8.0	4.4	12.3	58.5	62.9	65.3	70.8	71.1	36.4	36.3	1009	1001
1990	6.4	8.7	5.6	14.2	59.4	64.9	67.3	73.6	73.9	37.7	37.7	1083	1079
2000	6.9	9.0	7.7	16.7	60.1	67.8	69.9	76.8	77.1	39.7	39.6	1190	1182
2005	6.6	8.6	9.1	17.7	60.9	69.9	71.9	78.6	78.9	40.3	40.4	1240	1241

Australia (Males 1925-2005)											
Human Deterioration Stages											
Human Development Age Groups based on the Deterioration Function (Years)											
37.1		55.4		60.6		69.3		80.4		85.2	VERY OLD
37.3	DETERIORATION	54.9	DETERIORATION	59.9	DETERIORATION	69.0	DETERIORATION	81.3	DETERIORATION	86.4	VERY OLD
38.8	DETERIORATION	53.3	DETERIORATION	57.1	DETERIORATION	66.6	DETERIORATION	82.5	DETERIORATION	87.9	VERY OLD
42.4	FRS	53.1	SRG	54.6	SRG	63.5	SRG	83.8	SRG	89.1	VERY OLD
45.6	FRS	54.4	SRG	54.7	SRG	63.0	SRG	71.8	SRG	90.5	VERY OLD
48.6	FRS	54.2	SRG	53.1	SRG	59.8	SRG	71.4	SRG	90.3	VERY OLD
43.0	FRS	55.5	SRG	58.0	SRG	67.3	SRG	85.1	SRG	90.4	VERY OLD
40.8	FRS	56.1	SRG	60.2	SRG	69.5	SRG	84.1	SRG	89.3	VERY OLD
39.8	FRS	58.2	SRG	63.5	SRG	72.2	SRG	83.5	SRG	88.4	VERY OLD
39.9	FRS	59.5	SRG	65.1	SRG	73.4	SRG	83.7	SRG	88.4	VERY OLD

Australia (Females 1925-2005)													
1925	7.4	11.8	4.1	15.9	48.5	52.6	57.0	64.4	64.2	37.4	37.5	954	953
1930	6.9	10.7	5.1	15.8	50.3	55.4	59.2	66.1	66.2	37.5	37.7	974	975
1940	6.4	9.7	5.5	15.2	52.7	58.2	61.5	67.9	68.1	37.4	37.5	1000	999
1950	6.3	9.2	5.8	14.9	56.5	62.3	65.1	71.4	71.5	37.6	37.7	1061	1061
1960	6.3	8.7	7.0	15.7	58.2	65.2	67.6	73.9	74.3	38.4	38.4	1126	1128
1970	6.7	8.9	6.8	15.7	58.8	65.5	67.7	74.5	74.9	38.9	38.5	1152	1137
1980	7.1	8.9	8.5	17.4	60.5	69.0	70.7	77.9	78.2	40.2	40.0	1240	1225
1990	7.1	8.7	9.0	17.7	62.1	71.1	72.7	79.8	80.2	40.8	40.7	1291	1285
2000	7.4	9.0	11.0	20.0	62.2	73.2	74.8	82.2	82.5	42.1	42.1	1379	1372
2005	8.1	9.5	11.2	20.7	62.6	73.8	75.2	83.3	83.7	42.6	42.7	1418	1416

Australia (Females 1925-2005)											
36.6		56.3		61.9		70.0		80.0		84.6	VERY OLD
37.0	DETERIORATION	56.3	DETERIORATION	61.8	DETERIORATION	70.4	DETERIORATION	81.2	DETERIORATION	86.0	VERY OLD
36.9	DETERIORATION	54.9	DETERIORATION	60.1	DETERIORATION	69.0	DETERIORATION	81.4	DETERIORATION	86.4	VERY OLD
37.4	FRS	54.7	SRG	59.8	SRG	68.7	SRG	81.5	SRG	86.6	VERY OLD
38.4	FRS	55.8	SRG	60.8	SRG	69.8	SRG	82.6	SRG	87.7	VERY OLD
39.1	FRS	56.9	SRG	62.1	SRG	71.0	SRG	83.1	SRG	88.1	VERY OLD
39.6	FRS	58.7	SRG	64.2	SRG	72.9	SRG	84.0	SRG	88.9	VERY OLD
39.7	FRS	59.1	SRG	64.6	SRG	73.2	SRG	84.3	SRG	89.2	VERY OLD
39.5	FRS	60.6	SRG	66.4	SRG	74.2	SRG	83.7	SRG	88.2	VERY OLD
39.7	FRS	61.2	SRG	67.0	SRG	74.7	SRG	83.8	SRG	88.2	VERY OLD

Theory developed by: C. H. Skiadas and C. Skiadas, *The Health State Function of a Population*, (2nd Ed., January 2013)

http://www.amazon.com/Health-State-Function-Population/dp/6188046505/ref=sr_1_1?s=books&ie=UTF8&qid=1364343495&sr=1-1