


# Demographic and Human Development Indicators

Portugal (Males 1945-2005)																			
																			
Human Development Stages																			
Age Groups estimated with the Health State Methodology (Years)																			
1945	0		10.4		13.6		15.6		18.2		20.4		22.9		26.1		31.9		76.5
1950	0	I	10.5	A	14.3	A	16.5	A	19.4	A	21.8	E	24.6	M	28.2	L	33.7	E	77.4
1960	0	N	9.8	O	12.8	E	15.4	M	18.8	L	21.7	A	25.1	D	29.4	A	34.3	A	78.0
1970	0	F	8.1	P	11.7	A	14.4	M	18.0	L	21.0	R	24.5	D	28.9	S	34.6	O	77.2
1980	0	A	9.2	R	13.1	A	15.2	M	17.9	L	20.2	O	22.9	L	26.3	T	35.1	M	79.0
1990	0	E	8.1	S	12.3	R	15.1	D	18.7	L	21.8	F	25.4	S	29.8	A	36.8	I	80.7
2000	0	C	8.1	E	10.9	L	14.9	C	20.1	L	24.5	A	29.6	T	36.1	G	39.0	D	82.4
2005	0	R	8.6	N	12.1	C	14.7	E	18.0	L	20.8	D	24.1	A	28.2	T	36.3	D	83.6

Portugal (Females 1945-2005)																			
1945	0		10.9		14.5		16.6		19.2		21.5		24.1		27.4		38.6		79.8
1950	0	I	10.6	A	14.6	A	17.2	A	20.5	A	23.3	E	26.6	M	30.7	L	39.1	E	80.4
1960	0	N	10.6	O	14.2	E	17.7	M	22.0	L	25.8	A	30.1	D	35.6	A	39.8	A	81.2
1970	0	F	9.8	P	13.6	A	17.2	M	21.7	L	25.6	R	30.1	D	35.8	S	39.7	O	80.8
1980	0	A	8.7	R	10.4	A	13.8	M	18.1	L	21.7	O	26.0	L	31.4	T	40.4	M	83.0
1990	0	E	8.5	S	10.7	R	14.0	D	18.2	L	21.7	F	25.8	S	31.0	A	41.3	I	84.8
2000	0	C	9.0	E	10.3	L	14.1	C	18.8	L	22.9	A	27.7	T	33.6	G	43.0	D	86.3
2005	0	R	-	N	-	C	-	E	-	L	-	D	30.8	A	36.2	T	44.6	D	86.9

Portugal (Males 1945-2005)													
Healthy Life Expectancy at Birth (HLEB) & Loss of Healthy Life Years (LHLY)									Expected Healthy Age		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
1945	7.4	14.4	2.0	16.4	34.2	36.2	43.1	50.6	52.5	36.2	35.6	852	824
1950	7.2	12.6	3.1	15.7	39.2	42.3	47.7	54.9	56.5	36.4	35.9	883	868
1960	6.0	9.8	4.5	14.3	46.2	50.7	54.5	60.4	61.4	36.5	36.2	955	943
1970	6.3	10.3	3.7	14.0	49.9	53.6	57.5	63.9	64.1	36.0	35.8	949	941
1980	6.4	9.9	4.6	14.5	53.5	58.1	61.6	68.0	68.1	37.0	36.8	994	980
1990	6.5	9.8	5.5	15.3	55.3	60.8	64.0	70.6	70.8	37.4	37.5	1020	1015
2000	6.7	9.8	7.0	16.8	56.2	63.2	66.4	73.0	73.2	38.1	38.4	1067	1073
2005	7.2	10.2	7.8	18.0	56.9	64.7	67.7	74.9	75.3	38.9	38.9	1135	1135

Portugal (Males 1945-2005)													
Human Deterioration Stages													
Human Development Age Groups based on the Deterioration Function (Years)													
36.6	D	56.5	D	61.7	D	68.9	D	76.9	D	80.9	V		
37.3	E	56.6	E	61.9	E	69.6	M	78.7	O	83.0	R		
37.4	F	54.8	S	59.8	L	68.4	D	79.8	D	84.7	C		
37.5	I	53.4	E	57.9	I	66.7	E	79.7	A	84.7	O		
37.6	S	55.2	C	60.2	G	68.9	A	80.4	G	85.2	L		
38.6	T	56.9	O	62.1	H	70.8	E	82.0	N	86.9	T		
39.2	I	58.4	N	63.8	I	72.2	&	82.2	S	86.8	A		
39.3	O	59.4	N	64.8	S	72.8	S	82.0	E	86.4	G		

Portugal (Females 1945-2005)													
1945	8.7	13.3	3.5	16.8	38.9	42.4	46.9	55.6	57.2	39.2	37.9	1011	949
1950	7.0	10.5	5.7	16.2	43.9	49.5	53.0	60.1	61.3	38.9	38.1	1034	996
1960	6.3	9.7	6.2	15.9	50.2	56.4	59.7	66.1	67.2	38.3	38.5	1091	1101
1970	6.3	9.4	5.2	14.6	55.7	60.8	63.9	70.3	70.7	38.1	38.2	1112	1125
1980	6.5	9.1	7.0	16.1	58.9	65.9	68.6	75.0	75.3	39.3	39.4	1183	1194
1990	7.0	9.5	8.0	17.5	60.3	68.3	70.8	77.8	78.3	40.2	40.3	1245	1253
2000	7.0	9.0	9.6	18.6	61.5	71.1	73.2	80.1	80.7	41.1	41.2	1309	1319
2005	7.2	9.2	9.4	18.6	62.9	72.3	74.3	81.5	81.6	41.5	41.5	1355	1353

Portugal (Females 1945-2005)													
35.5	D	55.8	D	61.4	D	69.1	D	78.4	D	82.7	V		
35.3	E	54.7	E	60.3	E	68.6	M	79.4	O	84.1	R		
35.0	F	52.6	S	57.9	L	66.5	D	79.1	D	84.1	C		
32.7	I	48.2	E	53.0	I	61.8	E	77.6	A	82.9	O		
34.3	S	52.6	C	58.1	G	66.6	A	79.2	G	84.2	L		
36.3	T	55.7	O	61.3	H	69.6	E	80.7	N	85.4	T		
36.4	I	56.5	N	62.3	I	70.4	&	81.2	S	85.9	A		
35.7	O	56.0	N	61.8	S	69.9	S	80.7	E	85.4	G		

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