

MACAO RESIDENT POPULATION PROJECTIONS

2007 - 2031

April 2008

Macao Resident Population Projections 2007-2031

1. Introduction

“Macao Resident Population Projections 2007-2031” is a thematic report, basis on the latest benchmark population data from the results of the By-Census 2006, on the projection of the size and age-gender structure of Macao resident population for the coming 25 years.

Population projections provide invaluable reference for the government in formulating development planning, for the business sector in making investment decisions and for the academic institutions in carrying out research and studies.

Projections of the future resident population require consideration of different factors that may influence the population size. For this reason, the present projections have been prepared using the past population changes as the base, integrating the latest population trends of Macao and its neighbouring areas in order to draw up the various assumptions on the natural increase (fertility and mortality) and migratory flow of Macao resident population for the next 25 years. In accordance with the assumptions made, the size and age-gender structure of the future Macao resident population is obtained by the “component method”.

i.e. *Projected resident population at the end of the period*

- = Projected resident population at the beginning of the period
- + Projected number of live births during the period
- Projected number of deaths during the period
- + Projected net migration flow during the period

2. Projection Results

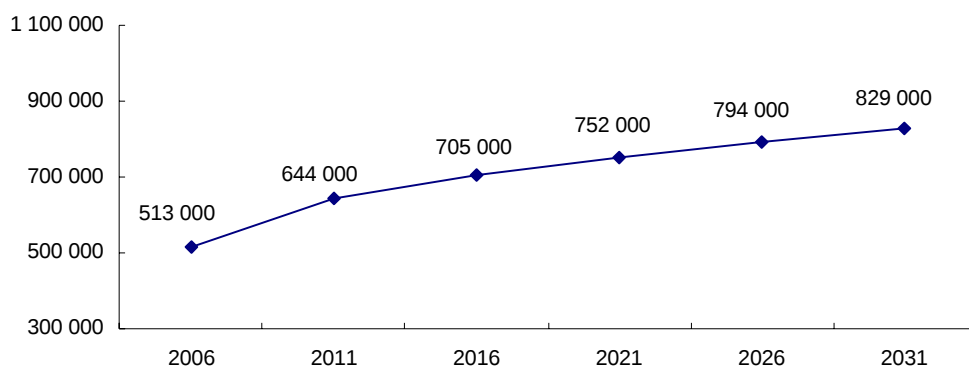
Taking into account the different factors influencing population changes, population projections are usually prepared using assumptions in high-, medium- and low-levels.

The following analysis focuses on the projection results based on assumption in medium-level; meanwhile, the corresponding results using assumptions in high- and low-levels are available in the appendix.

— Population continues to increase

- Macao resident population is projected to increase at an average annual rate of 1.9%, from 513 000 at end-2006 to 829 000 at end-2031.
- The population is projected to increase at a faster pace in the first 5-year, from 2007-2011, at an average annual rate of 4.6%, but the increment is projected to slowdown afterward.

Resident Population, 2006-2031

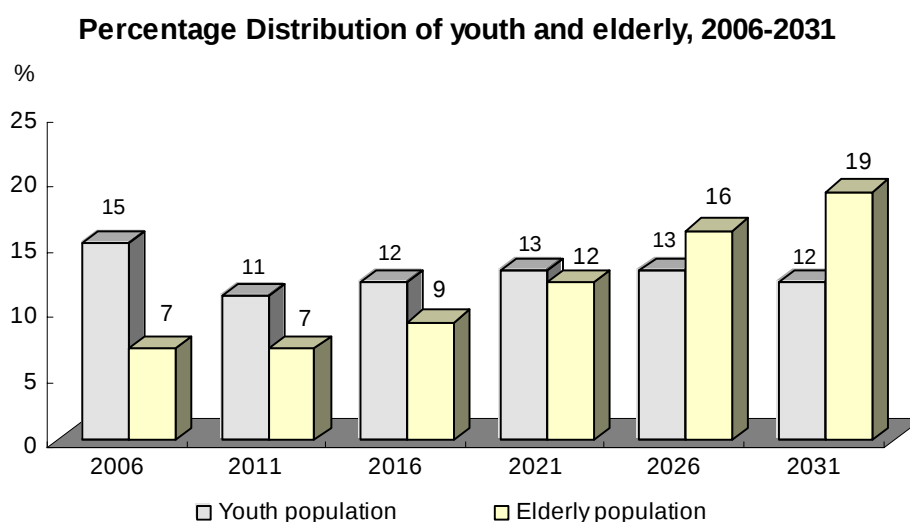


— Female population remains the majority

- Except non-resident workers, the female population accounts for a higher percentage share of the total number of immigrants. This is projected that such phenomenon will continue.
- The female population made up 51% of the resident population at end-2006 and the relative importance is projected to increase to 52% at end-2031.

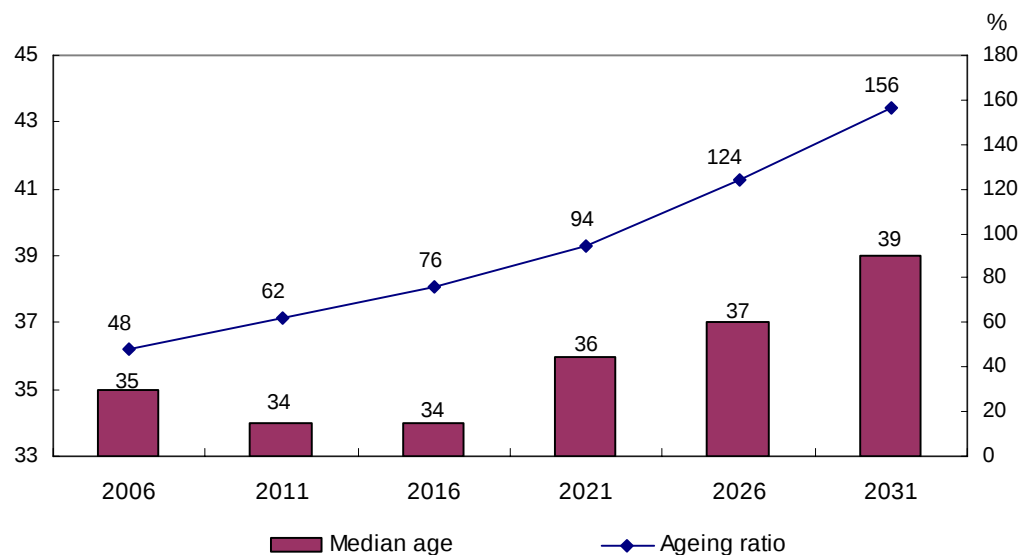
— **Population ageing continues**

- As regard the age structure, the population is projected to continue the ageing trend. The proportion of the elderly population (aged 65 and over) is projected to rise steadily from 7% at end-2006 to 19% at end-2031.
- On account of the persisting low fertility rate, the proportion of the youth population (aged 0-14) is projected to decrease constantly, from 15% at end-2006 to 12% at end-2031.



- The size of the elderly population is projected to exceed the youth population, for the first time in 2023, by a 5% margin. This is projected that the difference will widen to 56% in 2031.
- The ageing ratio (the number of elderly persons per 100 youths) is projected to rise from 48 in 2006 to 156 in 2031.
- The median age of the resident population is projected to rise from 35 at end-2006 to 39 at end-2031.

Ageing Ratio and Median Age of the Population, 2006-2031



Demographic Characteristics of the Population, 2006-2031

As at 31 December

Demographic characteristics	2006 (base year)	2011	2016	2021	2026	2031
Resident Population	513 000	644 000	705 000	752 000	794 000	829 000
Annual Growth Rate	-	4.6%	1.8%	1.3%	1.1%	0.9%
Proportion of Female Population	51%	50%	51%	51%	52%	52%
Proportion of Elderly Population (≥ 65)	7%	7%	9%	12%	16%	19%
Ageing Ratio	48	62	76	94	124	156
Median Age	35	34	34	36	37	39

表 1：2006 至 2031 年主要的人口特徵
Quadro 1. Principais características da população (2006-2031)
Table 1. Significant characteristics of the population (2006-2031)

人口特徵 Características Characteristics	2006 (基準年) (Ano de base) (base year)	1/2				
		2011	2016	2021	2026	2031
居住人口數目 (人) População residente (Nº) Resident population (No.)	513 400	644 000	705 300	752 100	794 000	829 300
年增長率 Taxa de crescimento anual Annual growth rate	-	4.6%	1.8%	1.3%	1.1%	0.9%
性別分佈 Repartição por sexo Gender distribution						
男 M	49%	50%	49%	49%	48%	48%
女 F	51%	50%	51%	51%	52%	52%
性別比 (人) Taxa de masculinidade (Nº) Gender ratio (No.)	97	99	97	96	94	92
年齡結構 Estrutura etária Age structure						
少年兒童人口(0-14 歲) Jovens (0-14 anos) Youth (aged 0-14)	15%	11%	12%	13%	13%	12%
成年人口(15-64 歲) Adultos (15-64 anos) Adult (aged 15-64)	78%	82%	79%	74%	71%	69%
老年人口(≥65 歲) Idosos (≥65 anos) Elderly (aged 65 and over)	7%	7%	9%	12%	16%	19%

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表 1：2006 至 2031 年主要的人口特徵
Quadro 1. Principais características da população (2006-2031)
Table 1. Significant characteristics of the population (2006-2031)

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人口特徵 Características Characteristics	2006 (基準年) (Ano de base) (base year)	2011	2016	2021	2026	2031
老化指數 Índice de envelhecimento Aging ratio	48	62	76	94	124	156
依賴指數 Índice de dependência Dependency ratio						
少年兒童人口依賴指數 Índice de dependência dos jovens Youth dependency ratio	19	14	15	18	18	18
老年人口依賴指數 Índice de dependência dos idosos Elderly dependency ratio	9	9	11	17	23	28
整體依賴指數 Índice de dependência global Overall dependency ratio	28	23	26	34	41	45
年齡中位數 Mediana da idade Median age	35	34	34	36	37	39

出生與死亡 Nascimentos e óbitos Births and Mortality	2007-2011	2012-2016	2017-2021	2022-2026	2027-2031
年平均出生人數 Nascimentos médios anuais (Nº) Average annual births (No.)	4 500	5 500	5 900	5 600	5 000
年平均死亡人數 Óbitos médios anuais (Nº) Average annual mortality (No.)	2 100	2 500	2 900	3 400	4 300
年平均自然增長率 Taxa de crescimento natural média anual Average annual rate of natural increase	0.4%	0.4%	0.4%	0.3%	0.1%

表 2：2006 年底按歲組及性別統計之居住人口（基準年）

Quadro 2. População residente, segundo o sexo, por grupo etário no fim do ano 2006
 (Ano de base)

Table 2. Resident population by gender and age group at end-2006 (base year)

歲組 Grupo etário Age group	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	513 400	100.0	252 500	100.0	261 000	100.0
0-4	16 800	3.3	8 800	3.5	8 000	3.1
5-9	23 100	4.5	12 000	4.8	11 100	4.2
10-14	35 400	6.9	18 100	7.2	17 300	6.6
15-19	47 300	9.2	23 900	9.5	23 400	9.0
20-24	47 200	9.2	22 700	9.0	24 500	9.4
25-29	37 300	7.3	18 100	7.2	19 200	7.4
30-34	41 300	8.0	19 500	7.7	21 800	8.3
35-39	44 200	8.6	19 900	7.9	24 300	9.3
40-44	50 300	9.8	23 300	9.2	27 000	10.3
45-49	51 100	10.0	26 100	10.3	25 000	9.6
50-54	41 000	8.0	22 000	8.7	19 000	7.3
55-59	26 900	5.2	14 400	5.7	12 500	4.8
60-64	15 400	3.0	8 000	3.2	7 400	2.8
65-69	9 700	1.9	5 100	2.0	4 600	1.8
70-74	9 200	1.8	4 000	1.6	5 200	2.0
75-79	8 100	1.6	3 500	1.4	4 600	1.8
≥ 80	9 000	1.8	3 100	1.2	6 000	2.3

表 3：按歲組及性別之年底居住人口預測（2007-2031）
 Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
 no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031
 Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2007*				1/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	538 100	100.0	265 700	100.0	272 400	100.0
0-4	18 100	3.4	9 500	3.6	8 600	3.2
5-9	21 000	3.9	10 800	4.1	10 100	3.7
10-14	33 500	6.2	17 300	6.5	16 200	5.9
15-19	44 900	8.3	22 900	8.6	22 000	8.1
20-24	52 400	9.7	25 200	9.5	27 300	10.0
25-29	41 900	7.8	20 200	7.6	21 700	8.0
30-34	43 600	8.1	21 000	7.9	22 600	8.3
35-39	48 200	8.9	22 100	8.3	26 100	9.6
40-44	49 900	9.3	23 100	8.7	26 800	9.8
45-49	53 600	10.0	27 100	10.2	26 400	9.7
50-54	45 700	8.5	24 700	9.3	21 000	7.7
55-59	29 500	5.5	15 600	5.9	13 900	5.1
60-64	17 800	3.3	9 600	3.6	8 300	3.0
65-69	10 200	1.9	5 300	2.0	4 800	1.8
70-74	9 300	1.7	4 200	1.6	5 100	1.9
75-79	8 400	1.6	3 600	1.4	4 800	1.8
≥ 80	10 100	1.9	3 500	1.3	6 500	2.4

* 12 月 31 日居住人口估計
 População residente estimada em 31 de Dezembro
 Estimate of resident population as at 31 December

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表 3：按歲組及性別之年底居住人口預測（2007-2031）

Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031

Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2011				2/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	644 000	100.0	319 800	100.0	324 200	100.0
0-4	27 000	4.2	13 800	4.3	13 100	4.1
5-9	19 900	3.1	10 300	3.2	9 600	3.0
10-14	26 200	4.1	13 600	4.2	12 700	3.9
15-19	43 000	6.7	21 100	6.6	22 000	6.8
20-24	82 400	12.8	39 700	12.4	42 700	13.2
25-29	76 300	11.8	40 600	12.7	35 600	11.0
30-34	57 500	8.9	29 800	9.3	27 700	8.5
35-39	51 400	8.0	25 600	8.0	25 800	8.0
40-44	47 800	7.4	22 200	7.0	25 600	7.9
45-49	49 700	7.7	22 500	7.0	27 300	8.4
50-54	50 300	7.8	24 700	7.7	25 600	7.9
55-59	40 500	6.3	21 100	6.6	19 400	6.0
60-64	26 800	4.2	14 100	4.4	12 700	3.9
65-69	15 200	2.4	7 800	2.4	7 400	2.3
70-74	9 300	1.4	4 800	1.5	4 600	1.4
75-79	8 200	1.3	3 500	1.1	4 700	1.5
≥ 80	12 400	1.9	4 700	1.5	7 700	2.4

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表 3：按歲組及性別之年底居住人口預測（2007-2031）

Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031

Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2016				3/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	705 300	100.0	347 900	100.0	357 400	100.0
0-4	31 300	4.4	16 100	4.6	15 200	4.3
5-9	29 900	4.2	15 200	4.4	14 700	4.1
10-14	22 800	3.2	11 700	3.4	11 100	3.1
15-19	33 900	4.8	16 500	4.7	17 400	4.9
20-24	77 900	11.0	37 200	10.7	40 700	11.4
25-29	89 600	12.7	47 900	13.8	41 600	11.7
30-34	72 800	10.3	38 100	10.9	34 700	9.7
35-39	54 000	7.7	26 700	7.7	27 300	7.6
40-44	47 600	6.8	22 900	6.6	24 700	6.9
45-49	43 500	6.2	19 000	5.5	24 500	6.9
50-54	48 400	6.9	21 000	6.1	27 400	7.7
55-59	49 700	7.0	24 100	6.9	25 600	7.2
60-64	40 200	5.7	20 700	6.0	19 500	5.5
65-69	26 100	3.7	13 500	3.9	12 600	3.5
70-74	14 500	2.1	7 300	2.1	7 200	2.0
75-79	8 300	1.2	4 100	1.2	4 200	1.2
≥ 80	14 800	2.1	5 800	1.7	9 000	2.5

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表 3：按歲組及性別之年底居住人口預測（2007-2031）

Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031

Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2021				4/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	752 100	100.0	367 700	100.0	384 400	100.0
0-4	33 200	4.4	17 100	4.6	16 100	4.2
5-9	33 900	4.5	17 400	4.7	16 600	4.3
10-14	32 500	4.3	16 500	4.5	16 000	4.2
15-19	30 200	4.0	14 500	3.9	15 700	4.1
20-24	67 800	9.0	32 300	8.8	35 500	9.2
25-29	81 700	10.9	43 900	11.9	37 800	9.8
30-34	82 200	10.9	43 200	11.7	39 100	10.2
35-39	66 900	8.9	33 400	9.1	33 500	8.7
40-44	48 900	6.5	23 100	6.3	25 800	6.7
45-49	42 500	5.7	19 100	5.2	23 400	6.1
50-54	42 000	5.6	17 500	4.8	24 500	6.4
55-59	47 800	6.4	20 500	5.6	27 300	7.1
60-64	49 200	6.5	23 600	6.4	25 600	6.7
65-69	39 100	5.2	19 900	5.4	19 200	5.0
70-74	24 700	3.3	12 500	3.4	12 200	3.2
75-79	12 900	1.7	6 300	1.7	6 600	1.7
≥ 80	16 600	2.2	7 000	1.9	9 600	2.5

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表 3：按歲組及性別之年底居住人口預測（2007-2031）

Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031

Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2026				5/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	794 000	100.0	384 700	100.0	409 400	100.0
0-4	31 400	4.0	16 200	4.2	15 200	3.7
5-9	35 800	4.5	18 300	4.8	17 400	4.3
10-14	36 600	4.6	18 600	4.8	17 900	4.4
15-19	39 800	5.0	19 200	5.0	20 500	5.0
20-24	63 700	8.0	30 100	7.8	33 600	8.2
25-29	71 600	9.0	38 900	10.1	32 700	8.0
30-34	74 200	9.3	39 100	10.2	35 100	8.6
35-39	76 400	9.6	38 500	10.0	38 000	9.3
40-44	61 900	7.8	29 800	7.7	32 200	7.9
45-49	43 900	5.5	19 300	5.0	24 600	6.0
50-54	41 100	5.2	17 700	4.6	23 400	5.7
55-59	41 600	5.2	17 100	4.4	24 500	6.0
60-64	47 500	6.0	20 200	5.3	27 300	6.7
65-69	48 000	6.0	22 800	5.9	25 200	6.2
70-74	36 900	4.6	18 300	4.8	18 500	4.5
75-79	22 100	2.8	10 800	2.8	11 300	2.8
≥ 80	21 600	2.7	9 600	2.5	12 000	2.9

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表 3：按歲組及性別之年底居住人口預測（2007-2031）

Quadro 3. Projeção da população residente, segundo o sexo, por grupo etário
no fim dos anos 2007, 2011, 2016, 2021, 2026 e 2031

Table 3. Year-end resident population projections by gender and age group (2007-2031)

歲組 Grupo etário Age group	2031				6/6	
	男女 MF		男 M		女 F	
	人數 Nº No.	結構 %	人數 Nº No.	結構 %	人數 Nº No.	結構 %
總數 Total	829 300	100.0	398 100	100.0	431 300	100.0
0-4	28 700	3.5	14 800	3.7	13 900	3.2
5-9	34 000	4.1	17 400	4.4	16 600	3.8
10-14	38 400	4.6	19 600	4.9	18 800	4.4
15-19	43 700	5.3	21 300	5.4	22 400	5.2
20-24	73 000	8.8	34 800	8.7	38 200	8.9
25-29	67 500	8.1	36 700	9.2	30 800	7.1
30-34	64 000	7.7	34 100	8.6	29 900	6.9
35-39	68 600	8.3	34 500	8.7	34 100	7.9
40-44	71 800	8.7	34 900	8.8	36 800	8.5
45-49	57 100	6.9	26 100	6.6	31 000	7.2
50-54	42 700	5.1	18 100	4.5	24 600	5.7
55-59	40 800	4.9	17 400	4.4	23 400	5.4
60-64	41 500	5.0	17 000	4.3	24 600	5.7
65-69	46 500	5.6	19 600	4.9	27 000	6.3
70-74	45 500	5.5	21 000	5.3	24 400	5.7
75-79	33 200	4.0	15 900	4.0	17 300	4.0
≥ 80	32 500	3.9	14 800	3.7	17 600	4.1

附表
Anexo
Appendix

附表 1：2007-2031 年高程度假設之居住人口預測
Anexo 1: Hipótese alta relativa à projecção da população residente (2007-2031)
Appendix 1: Resident population projections in high variant (2007-2031)

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人口特徵 Características Characteristics	2011	2016	2021	2026	2031
按歲組之年底居住人口預測（人） Projeção da população residente no fim do ano segundo o grupo etário (Nº) Year-end resident population projections by age group (No.)					
總數 Total	661 900	733 900	791 100	843 600	889 600
0-4	28 400	33 200	36 900	35 500	33 100
5-9	20 600	32 000	36 500	40 100	38 700
10-14	27 000	24 200	35 300	39 700	43 400
15-19	44 100	35 700	32 600	43 500	47 900
20-24	85 300	81 900	72 400	68 900	79 400
25-29	79 300	93 400	86 100	76 600	73 100
30-34	60 000	75 800	85 600	78 200	68 600
35-39	53 200	56 900	70 100	80 000	72 800
40-44	49 100	50 000	52 100	65 500	75 700
45-49	50 400	45 000	45 000	47 200	60 700
50-54	50 700	49 500	43 800	43 900	46 300
55-59	41 000	50 600	49 200	43 800	44 000
60-64	27 100	40 900	50 400	49 200	43 900
65-69	15 400	26 600	39 900	49 200	48 200
70-74	9 500	14 800	25 200	37 800	46 700
75-79	8 300	8 500	13 200	22 600	34 000
≥ 80	12 500	14 900	16 700	22 000	33 100
年增長率 Taxa de crescimento anual Annual growth rate	5.2%	2.1%	1.5%	1.3%	1.1%
性別分佈 Repartição por sexo Gender distribution					
男 M	50%	49%	49%	48%	48%
女 F	50%	51%	51%	52%	52%
性別比（人） Taxa de masculinidade (Nº) Gender ratio (No.)	99	97	95	93	92

（續）(Cont.)

附表 1：2007-2031 年高程度假設之居住人口預測

Anexo 1: Hipótese alta relativa à projecção da população residente (2007-2031)

Appendix 1: Resident population projections in high variant (2007-2031)

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人口特徵 Características Characteristics	2011	2016	2021	2026	2031
年齡結構 Estrutura etária Age structure					
少年兒童人口 (0-14 歲) Jovens (0-14 anos) Youth (aged 0-14)	11%	12%	14%	14%	13%
成年人口 (15-64 歲) Adultos (15-64 anos) Adult (aged 15-64)	82%	79%	74%	71%	69%
老年人口 (≥65 歲) Idosos (≥ 65 anos) Elderly (aged 65 and over)	7%	9%	12%	16%	18%
老化指數 Índice de envelhecimento Aging ratio	60	72	87	114	141
依賴指數 Índice de dependência Dependency ratio					
少年兒童人口依賴指數 Índice de dependência dos jovens Youth dependency ratio	14	15	19	19	19
老年人口依賴指數 Índice de dependência dos idosos Elderly dependency ratio	8	11	16	22	26
整體依賴指數 Índice de dependência global Overall dependency ratio	23	27	35	41	45
年齡中位數 Mediana da idade Median age	33	34	35	37	39
出生與死亡 Nascimentos e óbitos Births and Mortality	2007-2011	2012-2016	2017-2021	2022-2026	2027-2031
年平均出生人數 Nascimentos médios anuais (No) Average annual births (No.)	4 600	5 700	6 500	6 200	5 700
年平均死亡人數 Óbitos médios anuais (No) Average annual mortality (No.)	2 200	2 500	2 900	3 500	4 400
年平均自然增長率 Taxa de crescimento natural média anual Average annual rate of natural increase	0.4%	0.5%	0.5%	0.3%	0.2%

附表 2：2007-2031 年低程度假設之居住人口預測

Anexo 2: Hipótese baixa relativa à projecção da população residente (2007-2031)

Appendix 2: Resident population projections in low variant (2007-2031)

1/2

人口特徵 Características Characteristics	2011	2016	2021	2026	2031
按歲組之年底居住人口預測（人） Projeção da população residente no fim do ano segundo o grupo etário (Nº) Year-end resident population projections by age group (No.)					
總數 Total	626 200	674 900	709 600	739 600	763 000
0-4	25 500	27 500	27 800	25 900	23 000
5-9	19 200	27 700	29 500	29 800	27 900
10-14	25 500	21 400	29 800	31 500	31 800
15-19	41 900	32 100	27 800	36 000	37 700
20-24	79 400	73 900	63 200	58 600	66 500
25-29	73 200	85 800	77 200	66 500	61 900
30-34	55 100	69 700	78 800	70 100	59 400
35-39	49 500	51 100	63 600	72 900	64 400
40-44	46 500	45 200	45 700	58 400	67 800
45-49	49 100	42 000	40 000	40 600	53 400
50-54	49 800	47 400	40 200	38 300	39 000
55-59	40 100	48 800	46 400	39 400	37 700
60-64	26 500	39 500	48 100	45 900	39 100
65-69	15 000	25 700	38 300	46 800	44 800
70-74	9 200	14 200	24 100	36 100	44 200
75-79	8 200	8 200	12 700	21 600	32 400
≥ 80	12 400	14 700	16 400	21 300	31 800
年增長率 Taxa de crescimento anual Annual growth rate	4.0%	1.5%	1.0%	0.8%	0.6%
性別分佈 Repartição por sexo Gender distribution					
男 M	50%	49%	49%	49%	48%
女 F	50%	51%	51%	51%	52%
性別比（人） Taxa de masculinidade (Nº) Gender ratio (No.)	99	98	96	95	93

（續）(Cont.)

附表 2：2007-2031 年低程度假設之居住人口預測

Anexo 2: Hipótese baixa relativa à projecção da população residente (2007-2031)

Appendix 2: Resident population projections in low variant (2007-2031)

2/2

人口特徵 Características Characteristics	2011	2016	2021	2026	2031
年齡結構 Estrutura etária Age structure					
少年兒童人口 (0-14 歲) Jovens (0-14 anos) Youth (aged 0-14)	11%	11%	12%	12%	11%
成年人口 (15-64 歲) Adultos (15-64 anos) Adult (aged 15-64)	82%	79%	75%	71%	69%
老年人口 (≥65 歲) Idosos (≥ 65 anos) Elderly (aged 65 and over)	7%	9%	13%	17%	20%
老化指數 Índice de envelhecimento Aging ratio	64	82	105	144	185
依賴指數 Índice de dependência Dependency ratio					
少年兒童人口依賴指數 Índice de dependência dos jovens Youth dependency ratio	14	14	16	17	16
老年人口依賴指數 Índice de dependência dos idosos Elderly dependency ratio	9	12	17	24	29
整體依賴指數 Índice de dependência global Overall dependency ratio	23	26	34	40	45
年齡中位數 Mediana da idade Median age	34	34	36	38	40

出生與死亡 Nascimentos e óbitos Births and Mortality	2007-2011	2012-2016	2017-2021	2022-2026	2027-2031
年平均出生人數 Nascimentos médios anuais (No) Average annual births (No.)	4 500	4 900	5 000	4 600	4 100
年平均死亡人數 Óbitos médios anuais (No) Average annual mortality (No.)	2 100	2 400	2 800	3 400	4 200
年平均自然增長率 Taxa de crescimento natural média anual Average annual rate of natural increase	0.4%	0.4%	0.3%	0.2%	0.0%

附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2011					男性 M
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.002706	100000	271	99770	7983663	79.8
1-4	0.000523	99729	52	398813	7883893	79.1
5-9	0.000220	99677	22	498331	7485080	75.1
10-14	0.000224	99655	22	498221	6986748	70.1
15-19	0.000590	99633	59	498018	6488528	65.1
20-24	0.002124	99574	211	497342	5990510	60.2
25-29	0.003944	99363	392	495834	5493167	55.3
30-34	0.004544	98971	450	493730	4997334	50.5
35-39	0.006699	98521	660	490955	4503604	45.7
40-44	0.008635	97861	845	487193	4012649	41.0
45-49	0.013513	97016	1311	481803	3525456	36.3
50-54	0.016463	95705	1576	474587	3043652	31.8
55-59	0.021640	94130	2037	465555	2569066	27.3
60-64	0.045552	92093	4195	449976	2103510	22.8
65-69	0.076401	87898	6715	422700	1653535	18.8
70-74	0.151850	81182	12327	375092	1230835	15.2
75-79	0.195728	68855	13477	310581	855743	12.4
≥ 80	0.405042	55378	22430	545162	545162	9.8

註：

x — 年齡
 n — 歲組間距
 $q(x,n)$ — 死亡概率
 $l(x)$ — 尚存人數
 $d(x,n)$ — 死亡人數
 $L(x,n)$ — 生存人年
 $T(x)$ — 生存總人年
 $e(x)$ — 平均預期壽命

Notas:

x — Idade
 n — Intervalo de idades
 $q(x,n)$ — Probabilidade de morte
 $l(x)$ — Número de sobreviventes
 $d(x,n)$ — Número de óbitos
 $L(x,n)$ — Número de pessoas-anos
 $T(x)$ — Número total de pessoas-anos
 $e(x)$ — Esperança de vida

Notes:

x — Age
 n — Interval of age
 $q(x,n)$ — Probability of death
 $l(x)$ — Number of survivors
 $d(x,n)$ — Number of deaths
 $L(x,n)$ — Number of person-years
 $T(x)$ — Total person-years
 $e(x)$ — Life expectancy

附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2011					女性 F
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.001817	100000	182	99846	8410446	84.1
1-4	0.000570	99818	57	399159	8310600	83.3
5-9	0.000291	99761	29	498735	7911441	79.3
10-14	0.000251	99732	25	498599	7412706	74.3
15-19	0.000670	99707	67	498370	6914107	69.3
20-24	0.001078	99641	107	497934	6415737	64.4
25-29	0.001682	99533	167	497247	5917802	59.5
30-34	0.001733	99366	172	496398	5420555	54.6
35-39	0.002660	99194	264	495308	4924157	49.6
40-44	0.004616	98930	457	493507	4428849	44.8
45-49	0.007423	98473	731	490538	3935342	40.0
50-54	0.010730	97742	1049	486088	3444804	35.2
55-59	0.014801	96693	1431	479889	2958716	30.6
60-64	0.020058	95262	1911	471534	2478827	26.0
65-69	0.048057	93351	4486	455541	2007294	21.5
70-74	0.078529	88865	6978	426880	1551752	17.5
75-79	0.157805	81887	12922	377128	1124872	13.7
≥ 80	0.374744	68965	25844	747744	747744	10.8

註：

x — 年齡
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 $l(x)$ — 尚存人數
 $d(x,n)$ — 死亡人數
 $L(x,n)$ — 生存人年
 $T(x)$ — 生存總人年
 $e(x)$ — 平均預期壽命

Notas:

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 $q(x,n)$ — Probabilidade de morte
 $l(x)$ — Número de sobreviventes
 $d(x,n)$ — Número de óbitos
 $L(x,n)$ — Número de pessoas-anos
 $T(x)$ — Número total de pessoas-anos
 $e(x)$ — Esperança de vida

Notes:

x — Age
 n — Interval of age
 $q(x,n)$ — Probability of death
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 $L(x,n)$ — Number of person-years
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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

2016						男性 M
x	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.002262	100000	226	99808	8062360	80.6
1-4	0.000415	99774	41	399012	7962553	79.8
5-9	0.000160	99732	16	498622	7563540	75.8
10-14	0.000156	99717	16	498544	7064918	70.9
15-19	0.000408	99701	41	498403	6566374	65.9
20-24	0.001701	99660	170	497878	6067971	60.9
25-29	0.003614	99491	360	496555	5570093	56.0
30-34	0.004254	99131	422	494602	5073539	51.2
35-39	0.006768	98709	668	491877	4578937	46.4
40-44	0.008337	98041	817	488164	4087060	41.7
45-49	0.012926	97224	1257	482979	3598896	37.0
50-54	0.014461	95967	1388	476368	3115917	32.5
55-59	0.017399	94580	1646	468784	2639549	27.9
60-64	0.040247	92934	3740	455319	2170765	23.4
65-69	0.067678	89194	6036	430877	1715446	19.2
70-74	0.147210	83157	12242	385182	1284568	15.5
75-79	0.182753	70916	12960	322178	899386	12.7
≥ 80	0.401301	57956	23258	577208	577208	10.0

註：

x — 年齡
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 $e(x)$ — 平均預期壽命

Notas:

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 $d(x,n)$ — Número de óbitos
 $L(x,n)$ — Número de pessoas-anos
 $T(x)$ — Número total de pessoas-anos
 $e(x)$ — Esperança de vida

Notes:

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附表 3：預測年人口生命表（2011-2031）
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Appendix 3: Projected life tables (2011-2031)

x	2016					女性 F
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.001326	100000	133	99887	8502801	85.0
1-4	0.000463	99867	46	399377	8402914	84.1
5-9	0.000251	99821	25	499043	8003537	80.2
10-14	0.000180	99796	18	498936	7504493	75.2
15-19	0.000528	99778	53	498759	7005558	70.2
20-24	0.000718	99725	72	498448	6506799	65.3
25-29	0.001450	99654	144	497908	6008350	60.3
30-34	0.001434	99509	143	497190	5510442	55.4
35-39	0.002358	99367	234	496248	5013252	50.5
40-44	0.004269	99132	423	494604	4517004	45.6
45-49	0.006643	98709	656	491907	4022400	40.8
50-54	0.010529	98053	1032	487687	3530493	36.0
55-59	0.012589	97021	1221	482052	3042806	31.4
60-64	0.015582	95800	1493	475267	2560754	26.7
65-69	0.043677	94307	4119	461237	2085487	22.1
70-74	0.068508	90188	6179	435493	1624250	18.0
75-79	0.146740	84009	12328	389228	1188757	14.2
≥ 80	0.366197	71682	26250	799529	799529	11.2

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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2021					男性 M
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.001902	100000	190	99838	8127033	81.3
1-4	0.000337	99810	34	399172	8027195	80.4
5-9	0.000120	99776	12	498851	7628023	76.5
10-14	0.000113	99764	11	498792	7129172	71.5
15-19	0.000293	99753	29	498691	6630380	66.5
20-24	0.001397	99724	139	498269	6131689	61.5
25-29	0.003344	99584	333	497088	5633419	56.6
30-34	0.004013	99251	398	495260	5136331	51.8
35-39	0.006829	98853	675	492577	4641071	47.0
40-44	0.008081	98178	793	488906	4148494	42.3
45-49	0.012426	97384	1210	483897	3659588	37.6
50-54	0.012888	96174	1240	477773	3175691	33.0
55-59	0.014333	94935	1361	471273	2697918	28.4
60-64	0.036051	93574	3373	459437	2226645	23.8
65-69	0.060750	90201	5480	437304	1767208	19.6
70-74	0.143203	84721	12132	393274	1329904	15.7
75-79	0.171895	72589	12478	331750	936629	12.9
≥ 80	0.398004	60111	23924	604880	604880	10.1

註：
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 $T(x)$ — Número total de pessoas-anos
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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2021					女性 F
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.000929	100000	93	99921	8588846	85.9
1-4	0.000376	99907	38	399553	8488925	85.0
5-9	0.000216	99870	22	499294	8089372	81.0
10-14	0.000129	99848	13	499208	7590078	76.0
15-19	0.000417	99835	42	499071	7090871	71.0
20-24	0.000478	99793	48	498848	6591799	66.1
25-29	0.001250	99746	125	498417	6092951	61.1
30-34	0.001186	99621	118	497810	5594534	56.2
35-39	0.002090	99503	208	496995	5096724	51.2
40-44	0.003949	99295	392	495495	4599729	46.3
45-49	0.005944	98903	588	493045	4104234	41.5
50-54	0.010331	98315	1016	489036	3611190	36.7
55-59	0.010706	97299	1042	483892	3122154	32.1
60-64	0.012099	96258	1165	478377	2638261	27.4
65-69	0.039688	95093	3774	466030	2159885	22.7
70-74	0.059727	91319	5454	442959	1693855	18.6
75-79	0.136394	85865	11711	400045	1250895	14.6
≥ 80	0.357802	74153	26532	850850	850850	11.5

註：

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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

2026					男性 M	
x	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.001600	100000	160	99864	8179790	81.8
1-4	0.000282	99840	28	399304	8079926	80.9
5-9	0.000094	99812	9	499036	7680622	77.0
10-14	0.000086	99802	9	498991	7181587	72.0
15-19	0.000221	99794	22	498914	6682596	67.0
20-24	0.001178	99772	118	498566	6183681	62.0
25-29	0.003126	99654	312	497493	5685116	57.1
30-34	0.003814	99343	379	495767	5187622	52.2
35-39	0.006883	98964	681	493117	4691856	47.4
40-44	0.007866	98283	773	489481	4198739	42.7
45-49	0.012007	97510	1171	484621	3709258	38.0
50-54	0.011661	96339	1123	478886	3224636	33.5
55-59	0.012109	95215	1153	473195	2745750	28.8
60-64	0.032758	94062	3081	462609	2272556	24.2
65-69	0.055295	90981	5031	442329	1809946	19.9
70-74	0.139805	85950	12016	399711	1367617	15.9
75-79	0.162943	73934	12047	339553	967906	13.1
≥ 80	0.395157	61887	24455	628353	628353	10.2

註：
 x — 年齡
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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2026					女性 F
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.000595	100000	60	99949	8669764	86.7
1-4	0.000306	99941	31	399701	8569815	85.8
5-9	0.000186	99910	19	499503	8170114	81.8
10-14	0.000093	99891	9	499434	7670611	76.8
15-19	0.000329	99882	33	499328	7171177	71.8
20-24	0.000318	99849	32	499167	6671848	66.8
25-29	0.001077	99817	108	498819	6172682	61.8
30-34	0.000980	99710	98	498306	5673863	56.9
35-39	0.001853	99612	185	497600	5175557	52.0
40-44	0.003653	99428	363	496230	4677958	47.1
45-49	0.005319	99064	527	494005	4181727	42.2
50-54	0.010137	98538	999	490191	3687722	37.4
55-59	0.009103	97539	888	485474	3197531	32.8
60-64	0.009391	96651	908	480985	2712057	28.1
65-69	0.036057	95743	3452	470085	2231072	23.3
70-74	0.052041	92291	4803	449448	1760987	19.1
75-79	0.126727	87488	11087	409723	1311539	15.0
≥ 80	0.349559	76401	26707	901817	901817	11.8

註：
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 $d(x,n)$ — 死亡人數
 $L(x,n)$ — 生存人年
 $T(x)$ — 生存總人年
 $e(x)$ — 平均預期壽命

Notas:
 x — Idade
 n — Intervalo de idades
 $q(x,n)$ — Probabilidade de morte
 $l(x)$ — Número de sobreviventes
 $d(x,n)$ — Número de óbitos
 $L(x,n)$ — Número de pessoas-anos
 $T(x)$ — Número total de pessoas-anos
 $e(x)$ — Esperança de vida

Notes:
 x — Age
 n — Interval of age
 $q(x,n)$ — Probability of death
 $l(x)$ — Number of survivors
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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2031					男性 M
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.001339	100000	134	99886	8222441	82.2
1-4	0.000242	99866	24	399416	8122555	81.3
5-9	0.000076	99842	8	499190	7723139	77.4
10-14	0.000068	99834	7	499155	7223948	72.4
15-19	0.000173	99828	17	499094	6724794	67.4
20-24	0.001019	99810	102	498797	6225699	62.4
25-29	0.002952	99709	294	497807	5726902	57.4
30-34	0.003653	99414	363	496163	5229095	52.6
35-39	0.006929	99051	686	493539	4732932	47.8
40-44	0.007687	98365	756	489933	4239392	43.1
45-49	0.011662	97609	1138	485197	3749459	38.4
50-54	0.010710	96470	1033	479768	3264262	33.8
55-59	0.010492	95437	1001	474682	2784494	29.2
60-64	0.030194	94436	2851	465050	2309813	24.5
65-69	0.051037	91584	4674	446236	1844763	20.1
70-74	0.136977	86910	11905	404789	1398527	16.1
75-79	0.155674	75005	11676	345836	993738	13.3
≥ 80	0.392750	63329	24872	647902	647902	10.2

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附表 3：預測年人口生命表（2011-2031）
Anexo 3: Tábuas de mortalidade nos anos da projecção (2011-2031)
Appendix 3: Projected life tables (2011-2031)

x	2031					女性 F
	$q(x,n)$	$l(x)$	$d(x,n)$	$L(x,n)$	$T(x)$	$e(x)$
0	0.000307	100000	31	99974	8746469	87.5
1-4	0.000248	99969	25	399828	8646495	86.5
5-9	0.000160	99944	16	499682	8246667	82.5
10-14	0.000067	99928	7	499626	7746985	77.5
15-19	0.000259	99922	26	499544	7247359	72.5
20-24	0.000212	99896	21	499427	6747815	67.6
25-29	0.000928	99875	93	499142	6248388	62.6
30-34	0.000811	99782	81	498708	5749246	57.6
35-39	0.001642	99701	164	498096	5250539	52.7
40-44	0.003378	99537	336	496846	4752442	47.8
45-49	0.004759	99201	472	494825	4255596	42.9
50-54	0.009946	98729	982	491190	3760771	38.1
55-59	0.007739	97747	757	486844	3269581	33.5
60-64	0.007287	96990	707	483186	2782738	28.7
65-69	0.032752	96284	3154	473535	2299552	23.9
70-74	0.045321	93130	4221	455099	1826017	19.6
75-79	0.117702	88909	10465	418385	1370918	15.4
≥ 80	0.341466	78445	26786	952533	952533	12.1

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