香港人口推算
Hong Kong Population Projections
2015 – 2064

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政府統計處
Census and Statistics Department

緒言
Introduction

- 一套更新的、涵蓋未來50年的香港人口推算已經編製。
An updated set of population projections for Hong Kong, covering the future 50 years, has been compiled.

- 同時，勞動人口及家庭住戶推算亦已更新。
Labour force and domestic household projections are updated at the same time.

推算方法
Projection methodology

「組成部分法」

- 先將基準年的人口按年齡及性別劃分，然後結合不同的生育推算、死亡推算及人口遷移推算，逐年向前推算，直至推算期末年。

"Component method"

- The population of the base year is brought forward by age and sex under separate projections of fertility, mortality and movement, year after year until the end of the projection period.

推算方法（續）
Projection methodology (cont'd)

推算假設
Projection Assumptions

- 根據香港社會及經濟的過往趨勢，進行統計模型和分析，以訂定生育、死亡及人口遷移的假設。
  Performing statistical modelling and analyses based on past socio-economic trends in Hong Kong to generate the fertility, mortality and movement assumptions.

- 假設現行政府政策不變。
  Existing government policies assumed to be unchanged.

生育假設
Fertility assumptions

總和生育率

- 是指一千名婦女，若她們在生育齡期（即15至49歲）經歷了一如該年的年齡別生育率（某一年齡組別中每千名女性的活產嬰兒數目），其一生中活產子女的平均數目。
- 香港的總和生育率已低於每千名婦女生育2 100名子女的更替水平。

Total Fertility Rate (TFR)

- Refers to the average number of children that would be born alive to 1 000 women during their lifetime if they were to pass through their childbearing ages 15–49 experiencing the age specific fertility rates (the number of live births occurring among 1 000 women in a given age group) prevailing in a giving year.
- The TFR of Hong Kong has been below the replacement level of 2 100 live births per 1 000 women.

生育假設（續）
Fertility assumptions (cont'd)
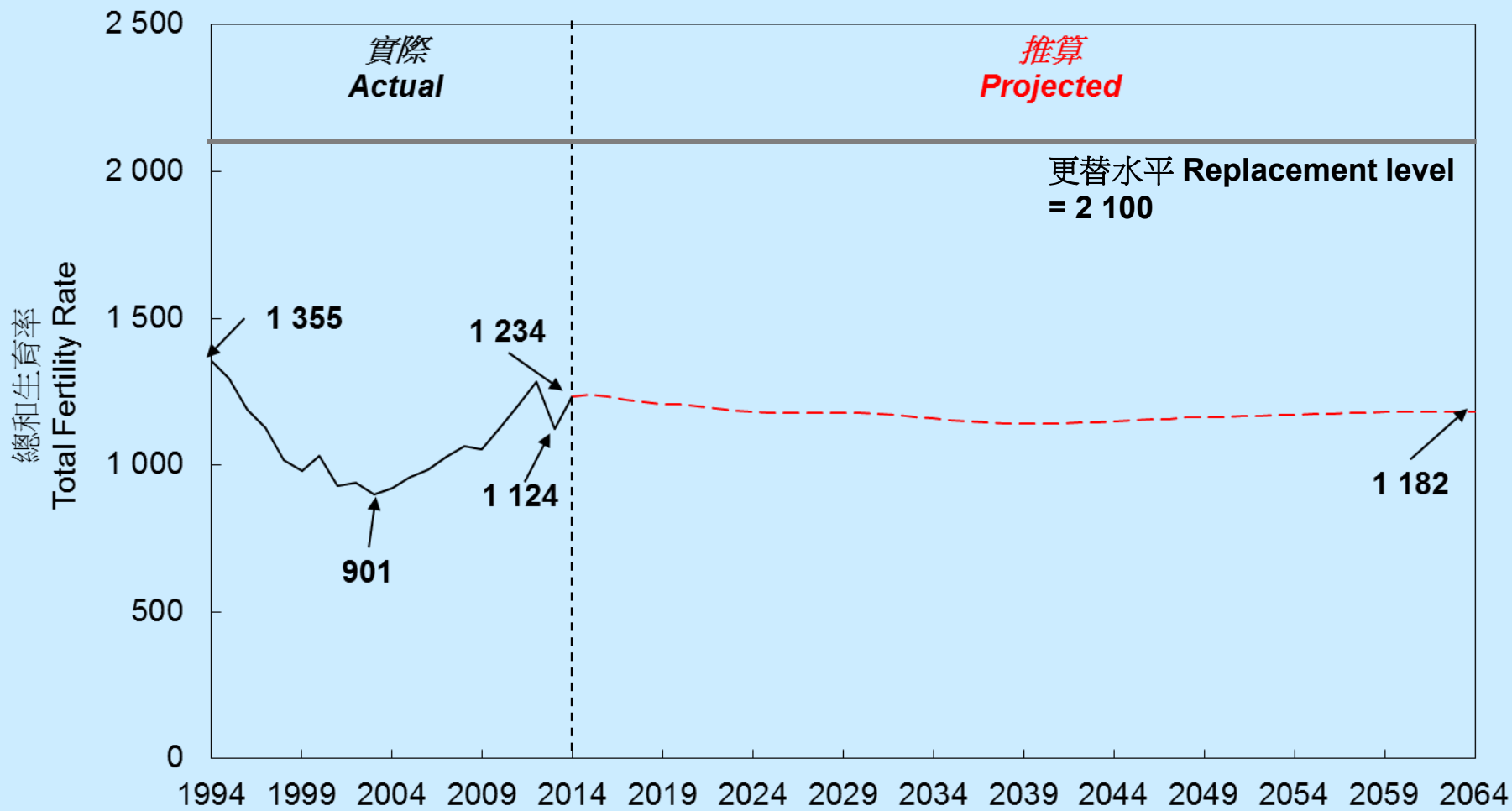
死亡假設
Mortality assumptions

出生時平均預期壽命

- 是指某年出生人士，若其一生經歷一如該年年齡性別死亡率（某一年齡、性別組別中每千人的死亡數目）所反映的死亡情況，他／她預期能活的年數。

Expectation of Life at Birth

- refers to the number of years that a person born in a given year is expected to live if he/she was subject to the prevalent mortality conditions as reflected by the set of age-sex specific mortality rates (the number of deaths occurring among 1 000 persons for a given sex in a given age group) for that year.

死亡假設（續）
Mortality assumptions (cont'd)
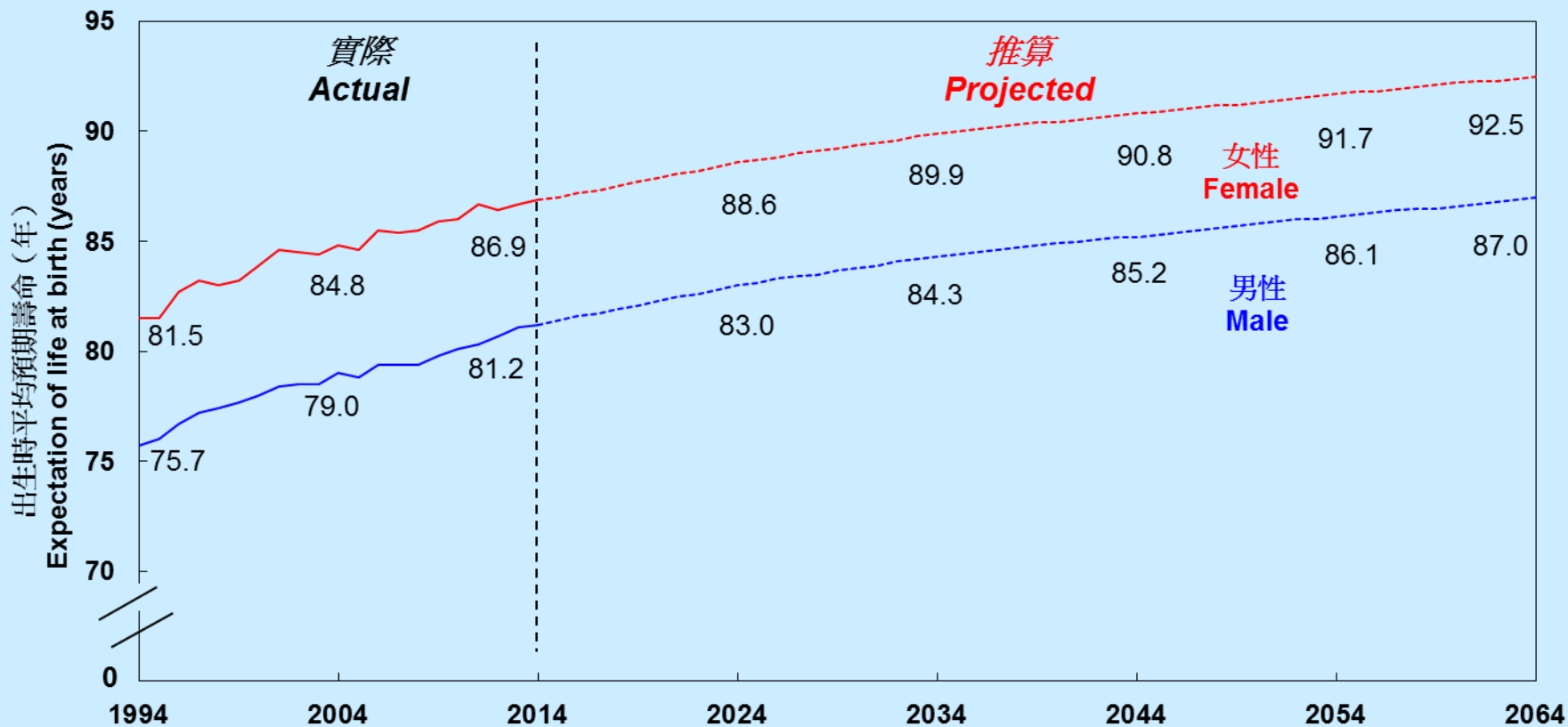
淨遷移假設
Net movement assumptions

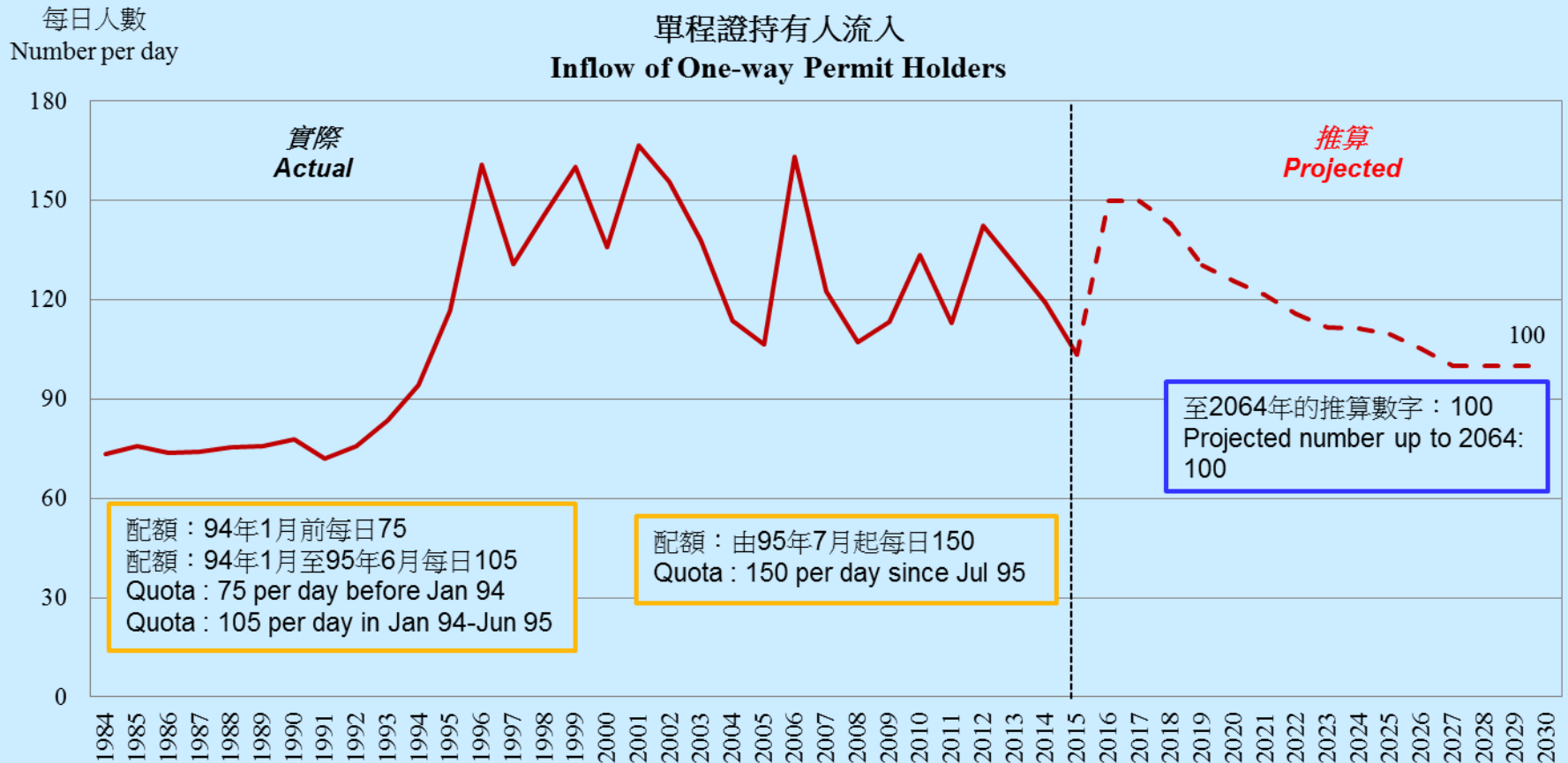|	推算期間遷移人口數目 **Population movement over the entire projection period**	平均每年遷移人數 **Average annual population movement**
淨遷移 Net movement	(+) 1 840 000	(+) 36 800
其中 *of which*：		
單程證持有人 One-way Permit holders	(+) 1 926 500	(+) 38 500
外籍家庭傭工 Foreign domestic helpers	(+) 301 000	(+) 6 000
其他人口淨遷移 Other net movement	(-) 387 500	(-) 7 700

其他人口淨遷移的假設，是以香港人口的近期居住和流動形態為基礎。
The recent trends of the residency and mobility patterns of the Hong Kong population provide the basis for formulating the assumptions on other net movements.

單程證持有人流入的假設
Assumptions on inflow of One-way Permit holders

每日人數
Number per day

單程證持有人流入
Inflow of One-way Permit Holders

實際
Actual

推算
Projected

至2064年的推算數字：100
Projected number up to 2064: 100

配額：94年1月前每日75
配額：94年1月至95年6月每日105
Quota : 75 per day before Jan 94
Quota : 105 per day in Jan 94-Jun 95
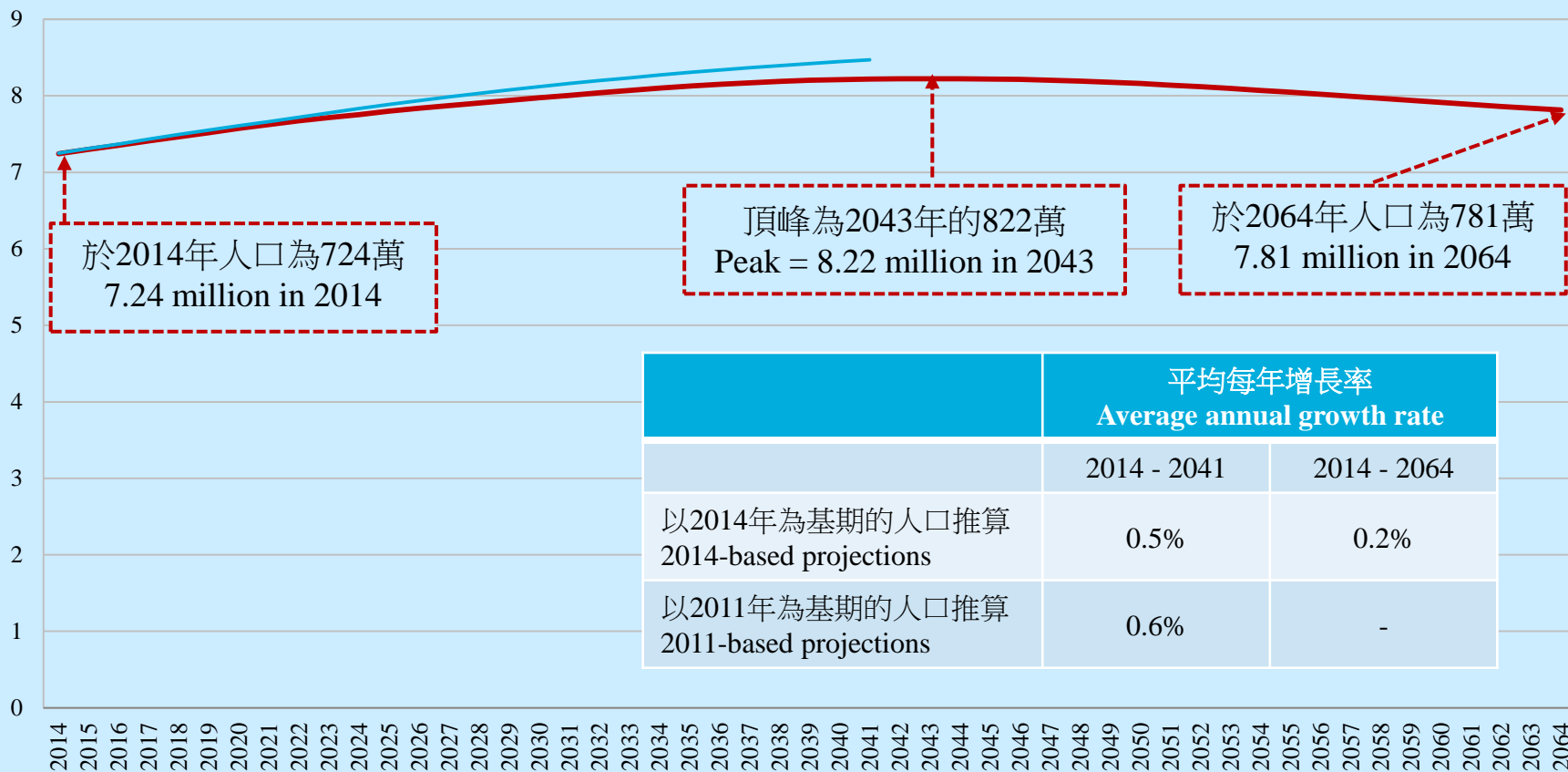
配額：由95年7月起每日150
Quota : 150 per day since Jul 95

人口將於2043年到達頂峰
Population to peak in 2043

人口 (百萬)
Population (Million)

2015年至2064年的推算人口
Projected population, 2015-2064

於2014年人口為724萬
7.24 million in 2014

頂峰為2043年的822萬
Peak = 8.22 million in 2043

於2064年人口為781萬
7.81 million in 2064

	平均每年增長率 Average annual growth rate	
	2014 - 2041	2014 - 2064
以2014年為基期的人口推算 2014-based projections	0.5%	0.2%
以2011年為基期的人口推算 2011-based projections	0.6%	-

─── 以2014年為基期的人口推算 2014-based population projections　　─── 以2011年為基期的人口推算 2011-based population projections

推算後期，死亡人數將是出生人數的兩倍有多
Number of deaths more than twice that of births towards the end of the projection period

	實際 *Actual*	推算 *Projected*				
年中 Mid-year	2014	2024	2034	2044	2054	2064
出生 Births	58 700	58 800	48 200	52 300	48 100	44 000
死亡 Deaths	45 400	54 700	66 800	88 000	101 300	97 600
人口增長 Population Growth	54 200	39 700	29 700	-900	-24 400	-23 500

老年人口增長，工作年齡人口萎縮
Growing elderly population and shrinking working age population

年中 Mid-year	實際 Actual				推算 Projected				
	1999	2004	2009	2014	2024	2034	2044	2054	2064
0至14歲 Aged 0-14	18%	15%	13%	12%	12%	10%	9%	10%	9%
15至64歲 Aged 15-64	71%	72%	74%	73%	65%	60%	58%	55%	55%
65歲及以上 Aged 65 and over	11%	12%	13%	15%	23%	30%	33%	35%	36%
年齡中位數 Median age	35.9	39.1	41.5	43.7	47.0	50.0	52.5	53.2	53.5

註：不包括外籍家庭傭工
Note: Excluding foreign domestic helpers

撫養比率持續惡化
Worsening dependency ratio

Dependency ratio chart (撫養比率 / Dependency ratio)

實際 Actual | 推算 Projected

Year	Child dependency ratio	Elderly dependency ratio	Total
1984	347	105	452
1994	287	139	426
2004	212	173	385
2014	159	211	371
2024	192	353	546
2034	176	505	680
2044	163	574	738
2054	177	629	806
2064	173	658	831

■ 少年兒童撫養比率 Child dependency ratio　　■ 老年撫養比率 Elderly dependency ratio

14　註：不包括外籍家庭傭工
Note: Excluding foreign domestic helpers

較高年齡組別有較多女性
More females in older age groups

性別比率Sex ratio						
年中 Mid-year	年齡組別 Age group					總計 **Overall**
	0–14	15–24	25–44	45–64	65+	
實際 *Actual*						
2004	1 063	1 067	933	1 051	856	**988**
2014	1 067	1 042	877	934	874	**935**
推算 *Projected*						
2024	1 074	1 047	852	841	881	**896**
2034	1 067	1 063	844	795	813	**862**
2044	1 066	1 042	880	773	726	**825**
2054	1 066	1 037	875	761	670	**797**
2064	1 065	1 038	831	795	644	**783**

性別比率：相對每千名女性的男性數目
Sex ratio: Number of males per 1 000 females

註：不包括外籍家庭傭工
Note: Excluding foreign domestic helpers
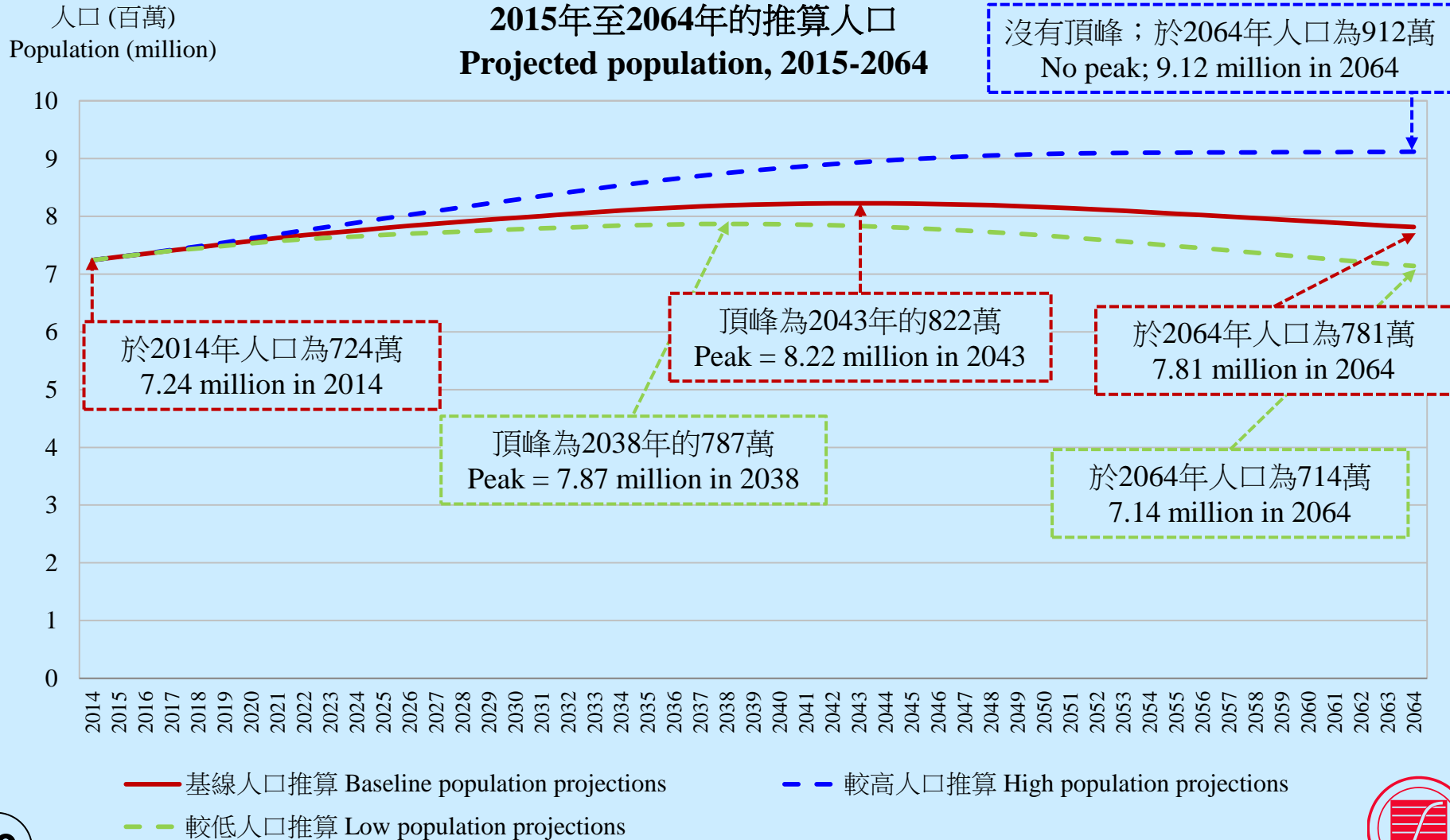
人口金字塔
Population pyramids
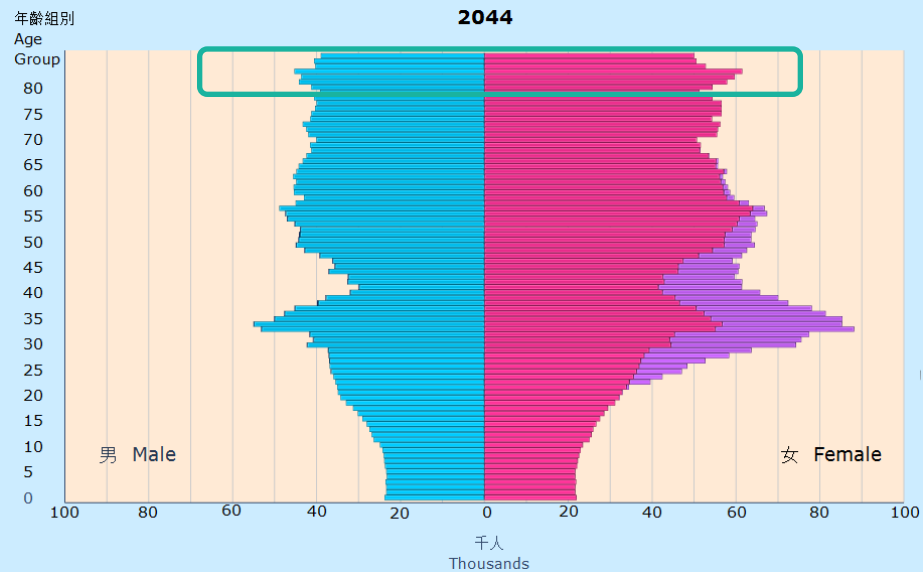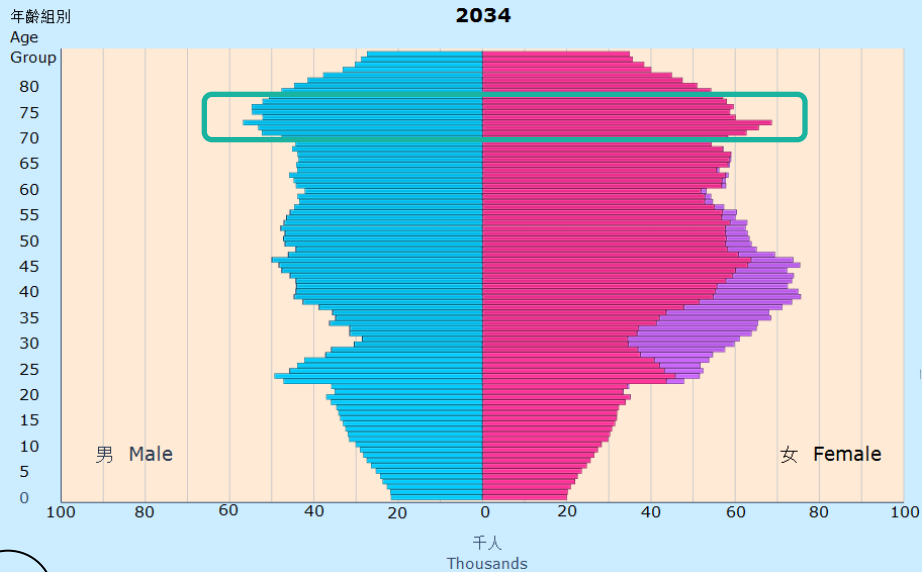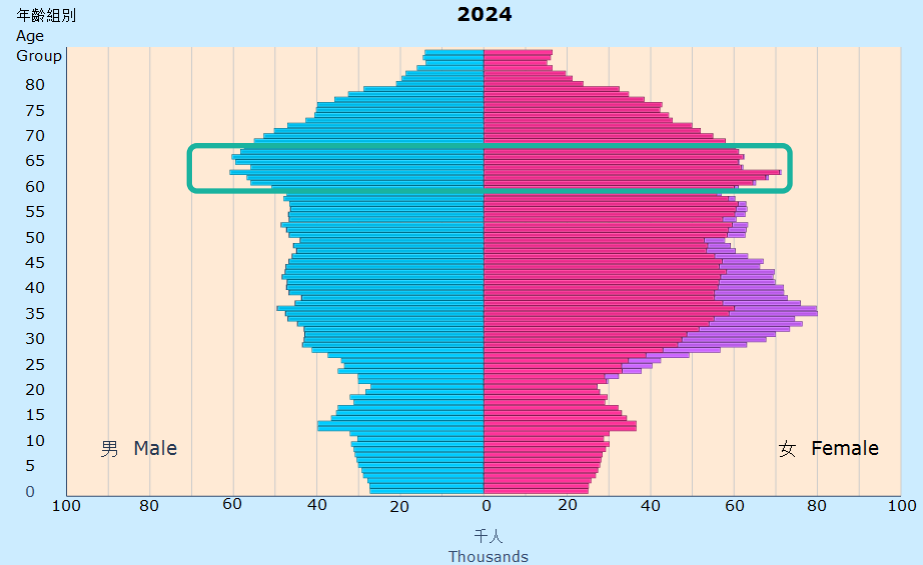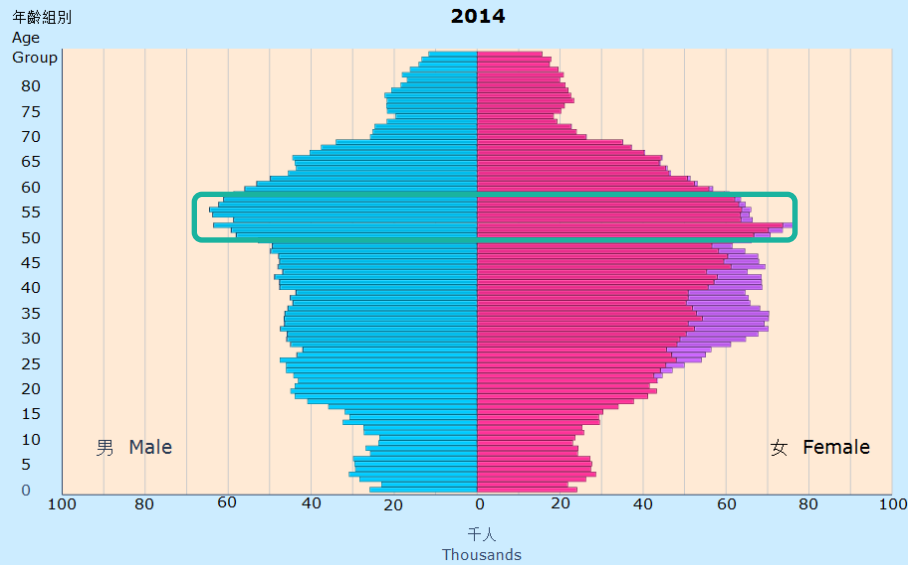
較高和較低人口推算下的假設
Assumptions under high and low population projections

假設 Assumptions	較高人口推算 High population projections	較低人口推算 Low population projections
生育 Births	本地女性總和生育率較基線高10% Total fertility rate of local women higher than baseline by 10%	本地女性總和生育率較基線低10% Total fertility rate of local women lower than baseline by 10%
死亡 Deaths	年齡性別死亡率較基線低10% Age-sex specific mortality rates lower than baseline by 10%	年齡性別死亡率較基線高10% Age-sex specific mortality rates higher than baseline by 10%
淨遷移 - 單程證持有人流入 Net movement – inflow of One-way Permit holders	推算期內每日150名單程證持有人流入 Inflow of 150 OWPHs per day during the entire projection period	長遠每日85名單程證持有人流入 Long-term inflow of 85 OWPHs per day
淨遷移（單程證持有人除外） Net movement (other than One-way Permit holders)	每年的淨遷移較基線多2 000人 Net movement higher than baseline by 2 000 persons per year	每年的淨遷移較基線少2 000人 Net movement lower than baseline by 2 000 persons per year

編製較高和較低人口推算以反映不確定性
High and low population projections compiled to reflect uncertainty

人口 (百萬)
Population (million)

2015年至2064年的推算人口
Projected population, 2015-2064

沒有頂峰；於2064年人口為912萬
No peak; 9.12 million in 2064

於2014年人口為724萬
7.24 million in 2014

頂峰為2043年的822萬
Peak = 8.22 million in 2043

於2064年人口為781萬
7.81 million in 2064

頂峰為2038年的787萬
Peak = 7.87 million in 2038

於2064年人口為714萬
7.14 million in 2064

—— 基線人口推算 Baseline population projections
- - - 較高人口推算 High population projections
- - - 較低人口推算 Low population projections

勞動人口
Labour force

- 人口可分為從事經濟活動人口（即勞動人口）及非從事經濟活動人口。

The population can be divided into economically active population (or labour force) and economically inactive population.

從事經濟活動人口（即勞動人口）
Economically active population (or labour force)

非從事經濟活動人口
Economically inactive population

就業人士
Employed
persons

失業人士
Unemployed
persons

例如：學生、料理家務者、退休人士
e.g. students, home-makers, retirees
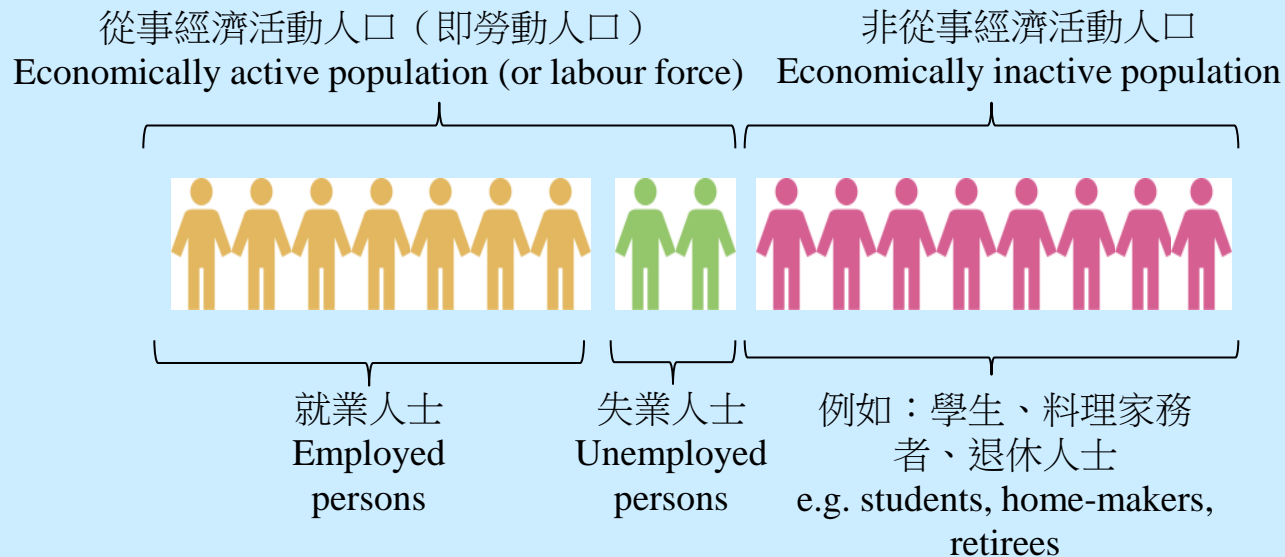
勞動人口參與率
Labour force participation rate

- 勞動人口佔15歲及以上人口的比例。
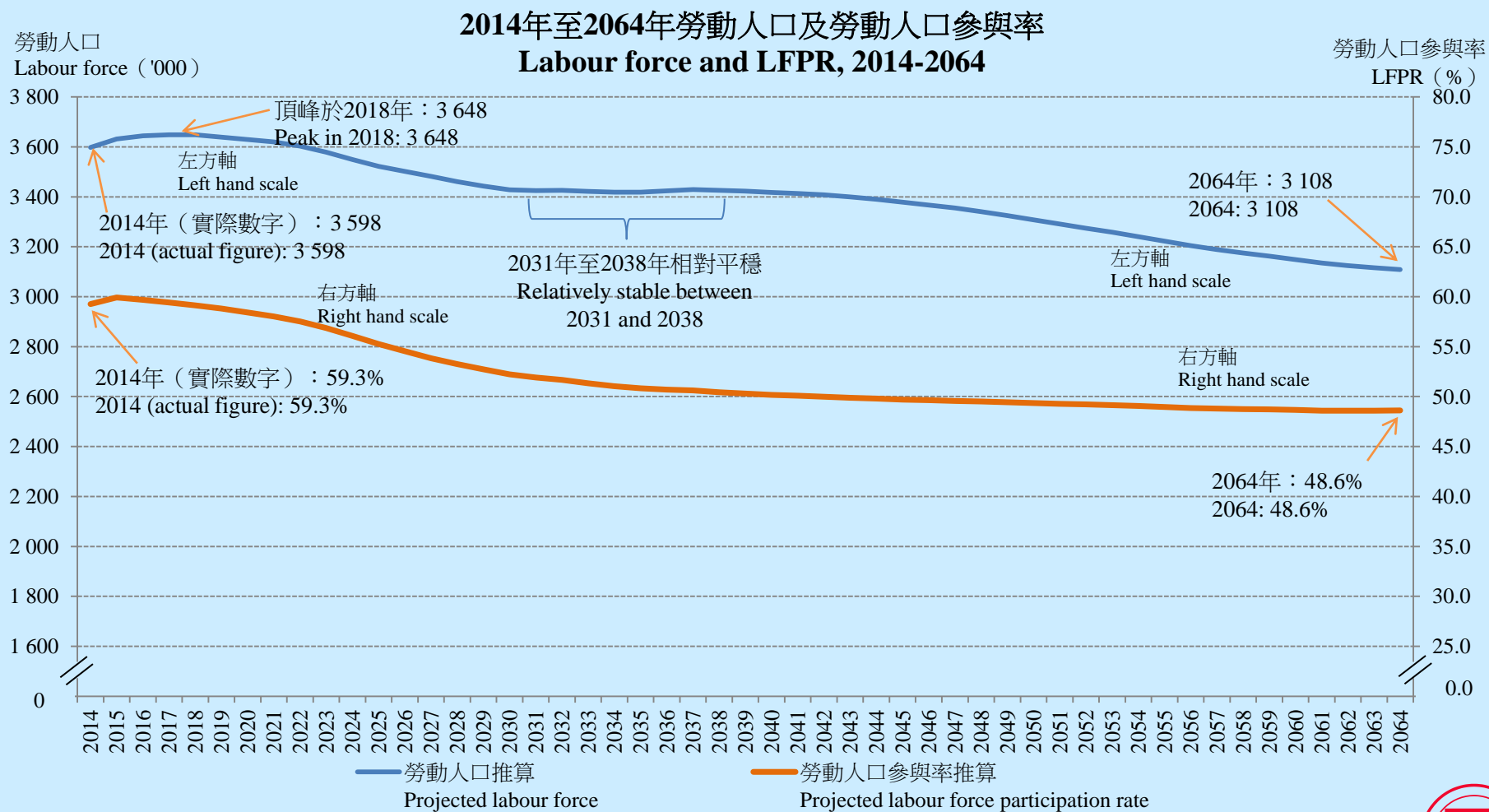Proportion of labour force in the population aged 15 and over.
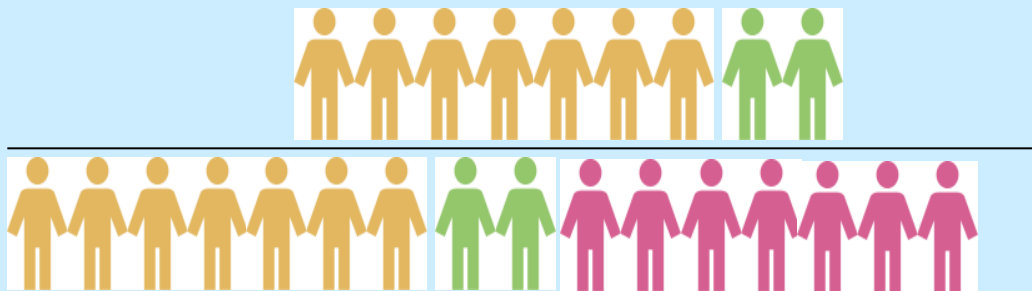
勞動人口 Labour force

15歲及以上人口
Population aged 15 and over
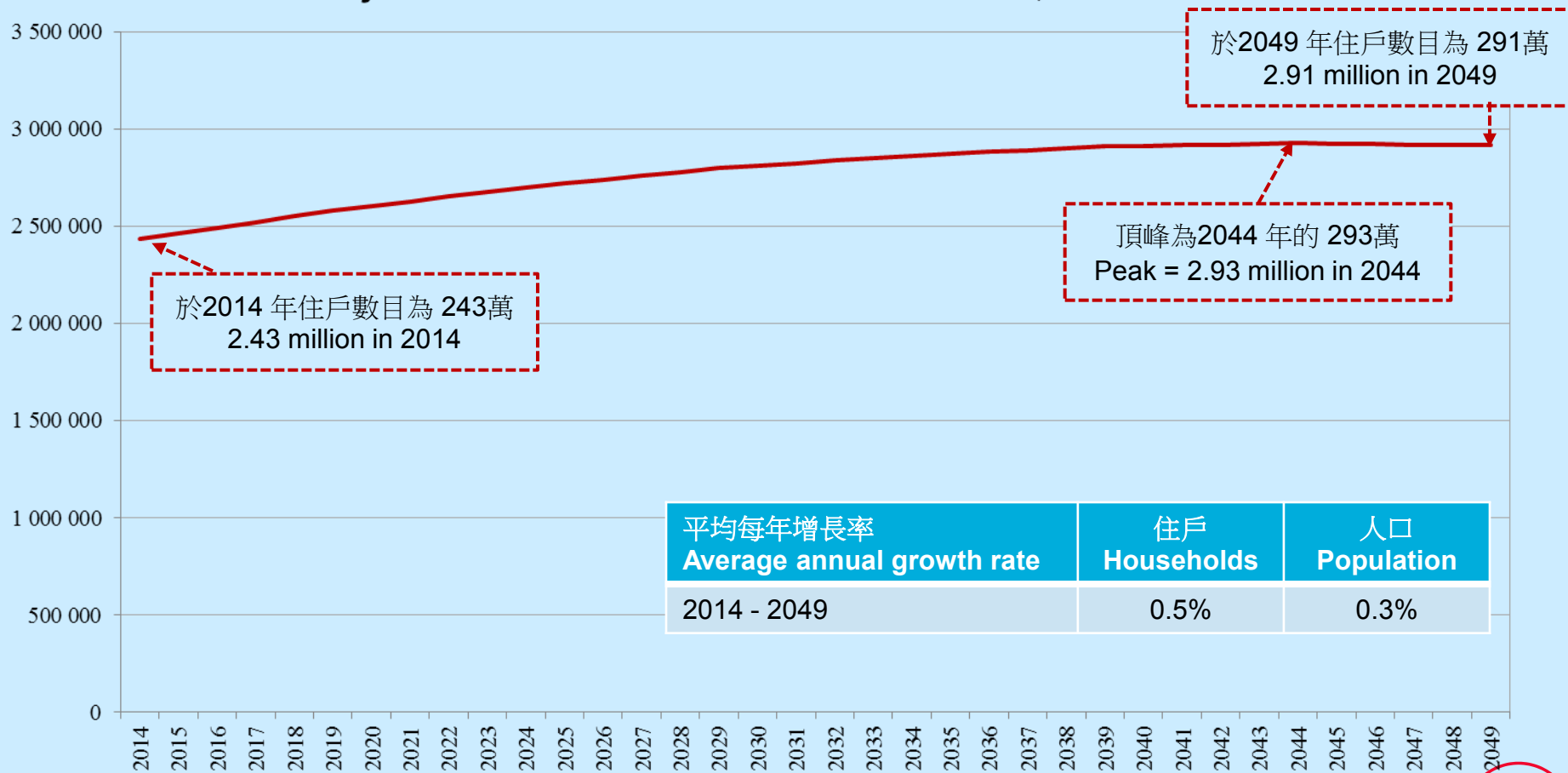
勞動人口在2018年後下跌；勞動人口參與率持續下跌
Labour force shrinks after 2018; labour force participation rate (LFPR) drops continuously

2014年至2064年勞動人口及勞動人口參與率
Labour force and LFPR, 2014-2064

勞動人口
Labour force（'000）

勞動人口參與率
LFPR（%）

頂峰於2018年：3 648
Peak in 2018: 3 648

左方軸
Left hand scale

2014年（實際數字）：3 598
2014 (actual figure): 3 598

2031年至2038年相對平穩
Relatively stable between 2031 and 2038

2064年：3 108
2064: 3 108

左方軸
Left hand scale

右方軸
Right hand scale

2014年（實際數字）：59.3%
2014 (actual figure): 59.3%

右方軸
Right hand scale

2064年：48.6%
2064: 48.6%

勞動人口推算
Projected labour force

勞動人口參與率推算
Projected labour force participation rate

22

註：不包括外籍家庭傭工
Note: Excluding foreign domestic helpers

家庭住戶數目將於2044年到達頂峰
Number of domestic households to peak in 2044

2015年至2049年的推算家庭住戶數目
Projected number of domestic households, 2015-2049

於2049 年住戶數目為 291萬
2.91 million in 2049

於2014 年住戶數目為 243萬
2.43 million in 2014

頂峰為2044 年的 293萬
Peak = 2.93 million in 2044

平均每年增長率 Average annual growth rate	住戶 Households	人口 Population
2014 - 2049	0.5%	0.3%

23

以2014年為基期的推算結果摘要
Summary results of 2014-based projections

- 人口急劇老化，工作年齡人口萎縮，令撫養比率大幅上升

  Rapid population ageing and shrinking working age population leading to surge of dependency ratio

- 約30年後香港人口下跌

  Decline in Hong Kong population in some 30 years' time

- 勞動人口於2018年後開始下跌

  Labour force starting to decline after 2018

- 家庭住戶數目增長緩慢，但速度高於人口增長

  Number of households growing slowly, but faster than population growth.

多謝
Thank you