



Department of Infrastructure and Planning

# What future population and demographic challenges are ahead for Rockhampton and the Central Queensland region?



Alison Taylor

2<sup>nd</sup> September 2009

Rockhampton regional seminar



Queensland  
Government

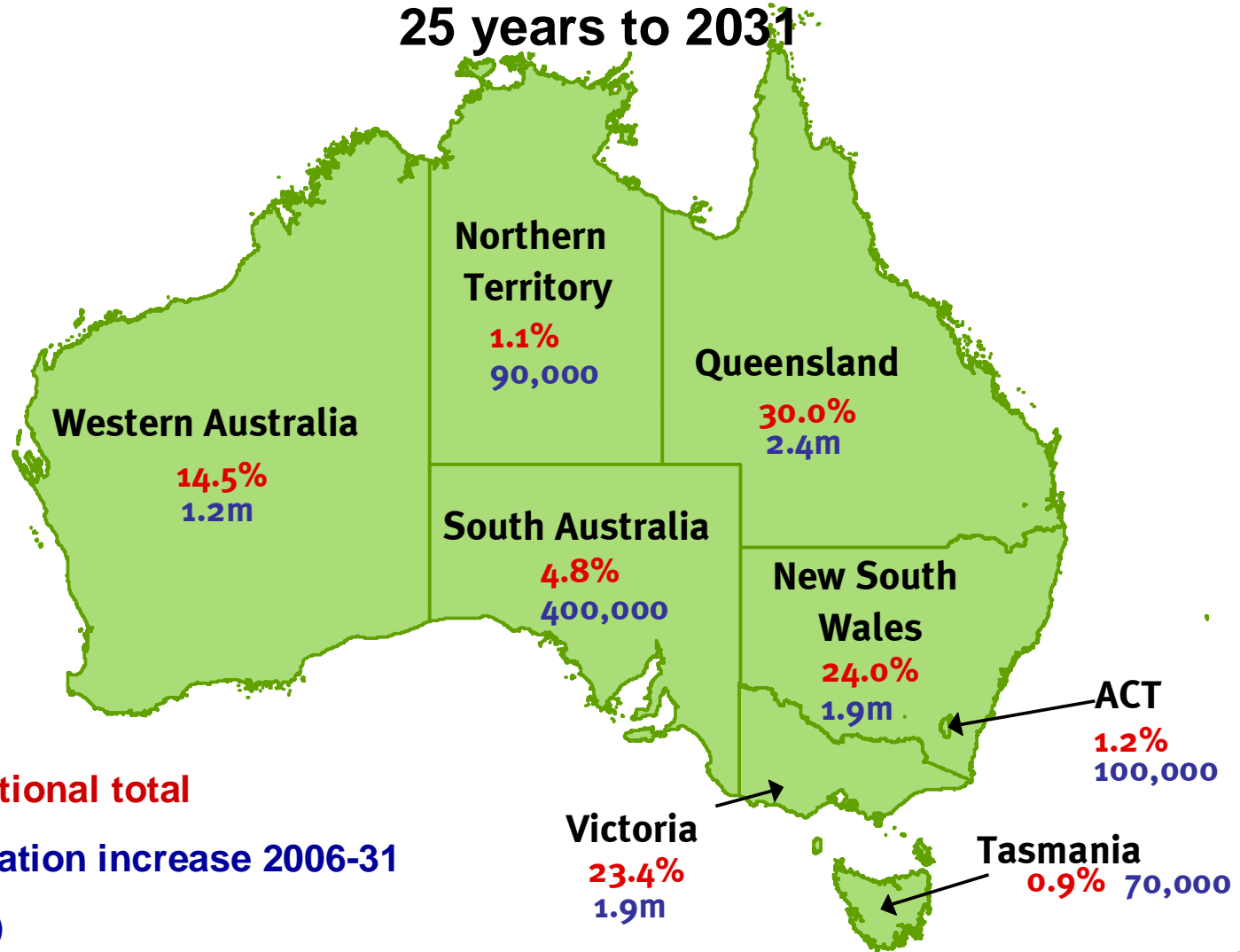


## Outline

- What will the future look like?
  - Total population
  - Changing age structure
  - Demand for dwellings
  - Household types
  - Living arrangements
- Implications



# Australia's projected population growth, by state and territory, 25 years to 2031



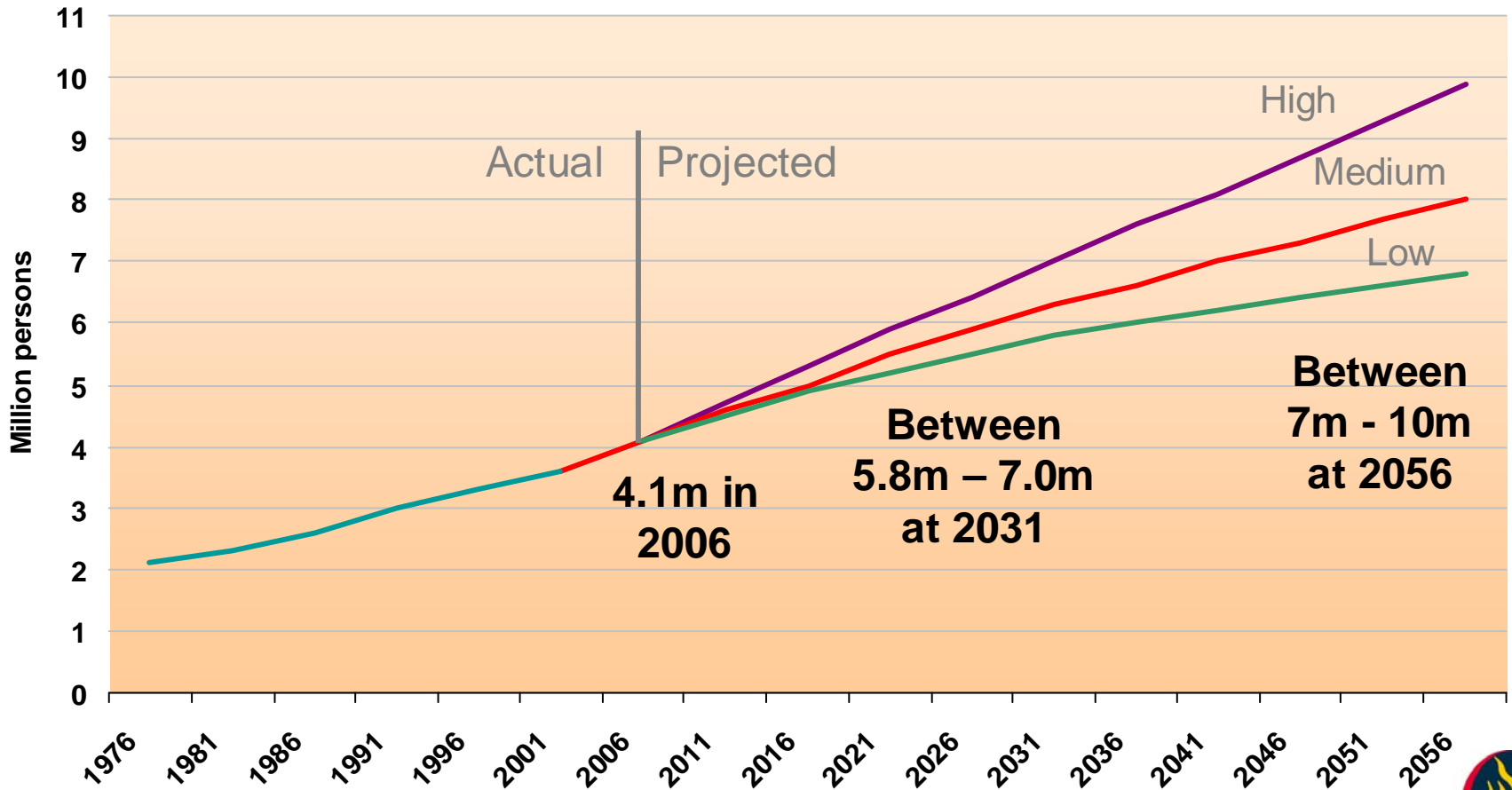
Share of national total

Total population increase 2006-31  
(8.1 million)

Source: ABS CAT No 3222.0

# Actual & projected population, Queensland

1976 to 2056



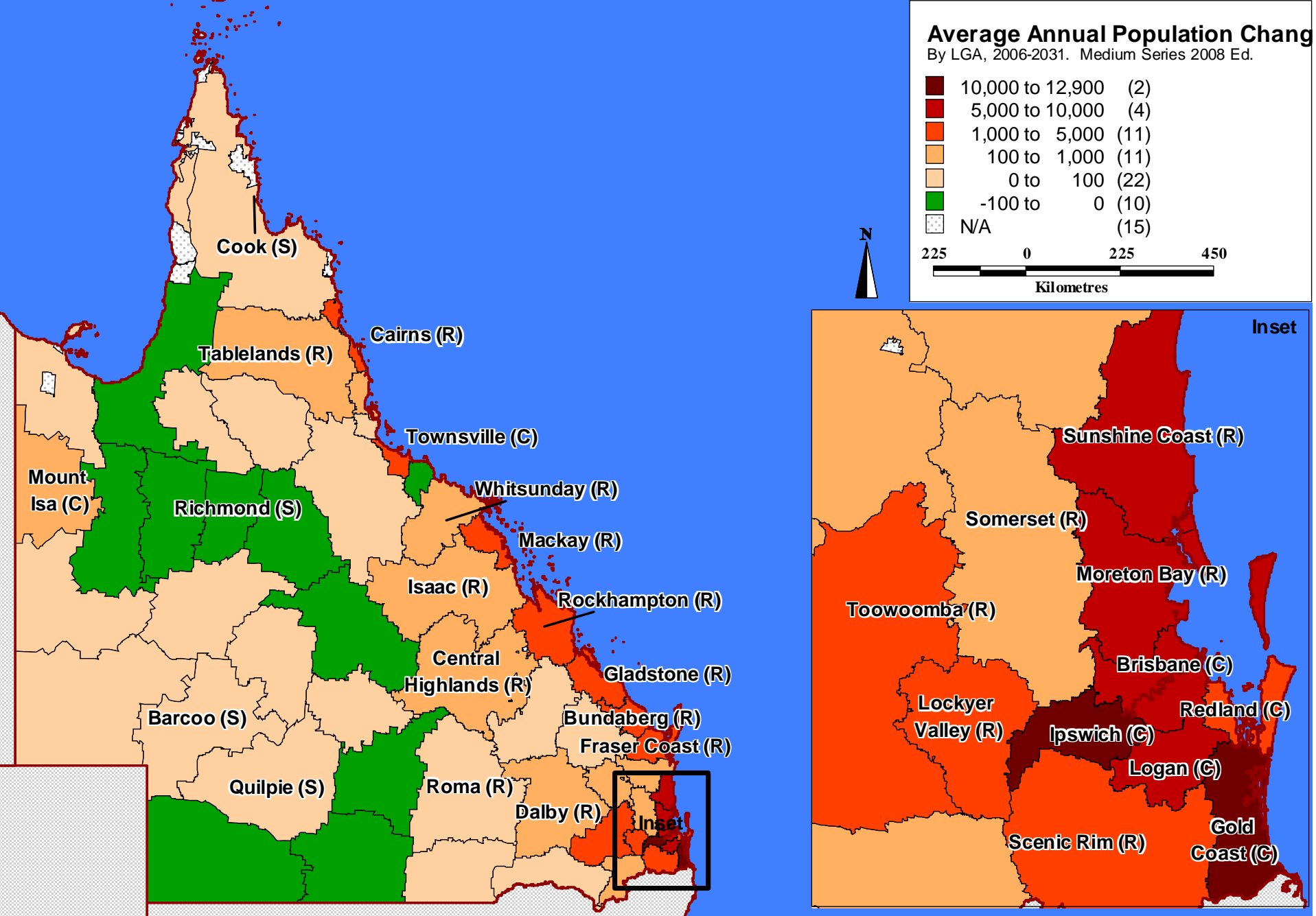
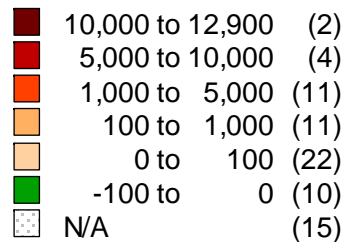
Source: ABS Cat No 3311.3 & Department of Infrastructure and Planning population projections, 2008 ed.



Queensland  
Government

# Average Annual Population Change

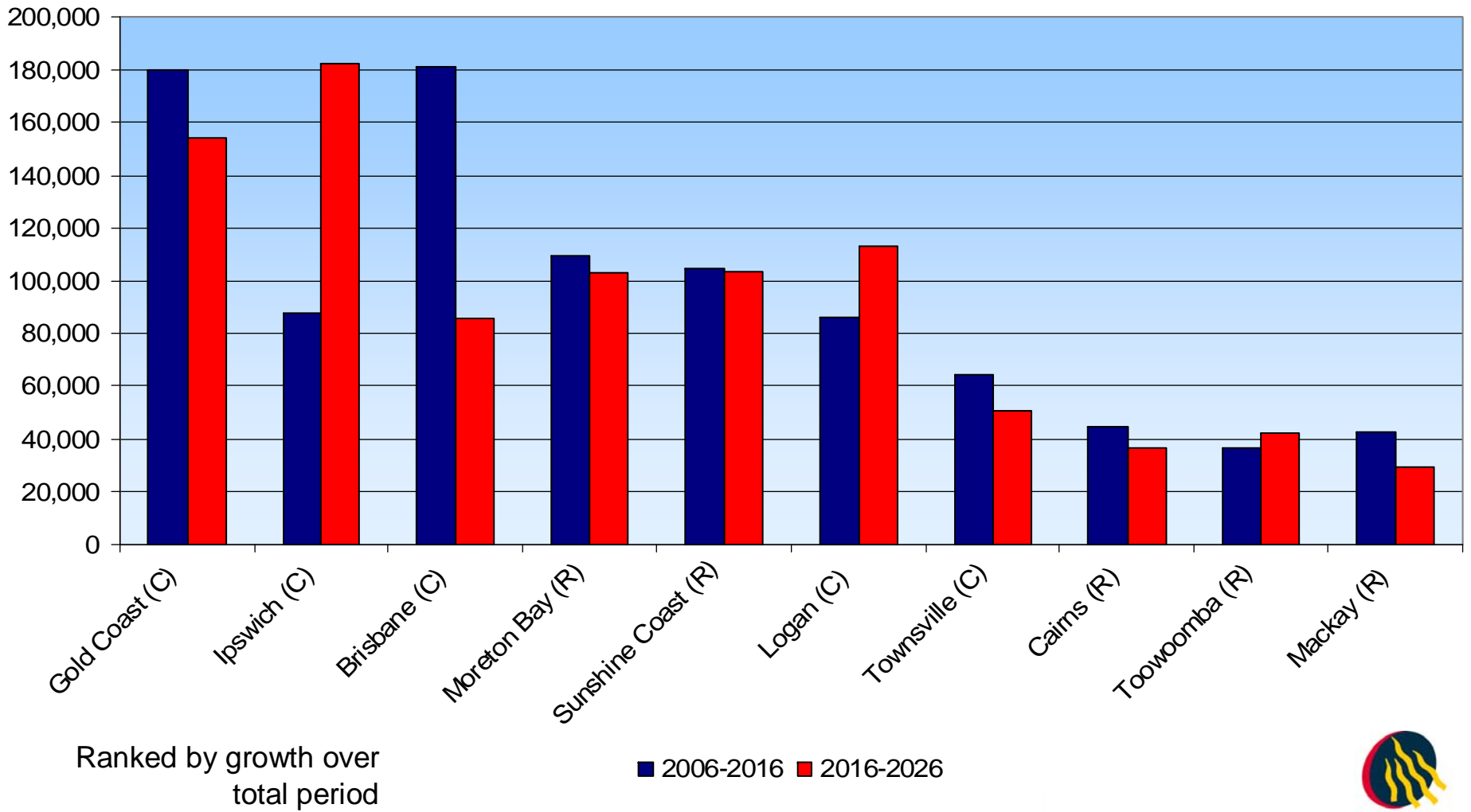
By LGA, 2006-2031. Medium Series 2008 Ed.



Source: Queensland Government LGA Projections, 2008 ed.

**Queensland**  
Government

# Top ten largest growing LGAs, 2006 - 2031



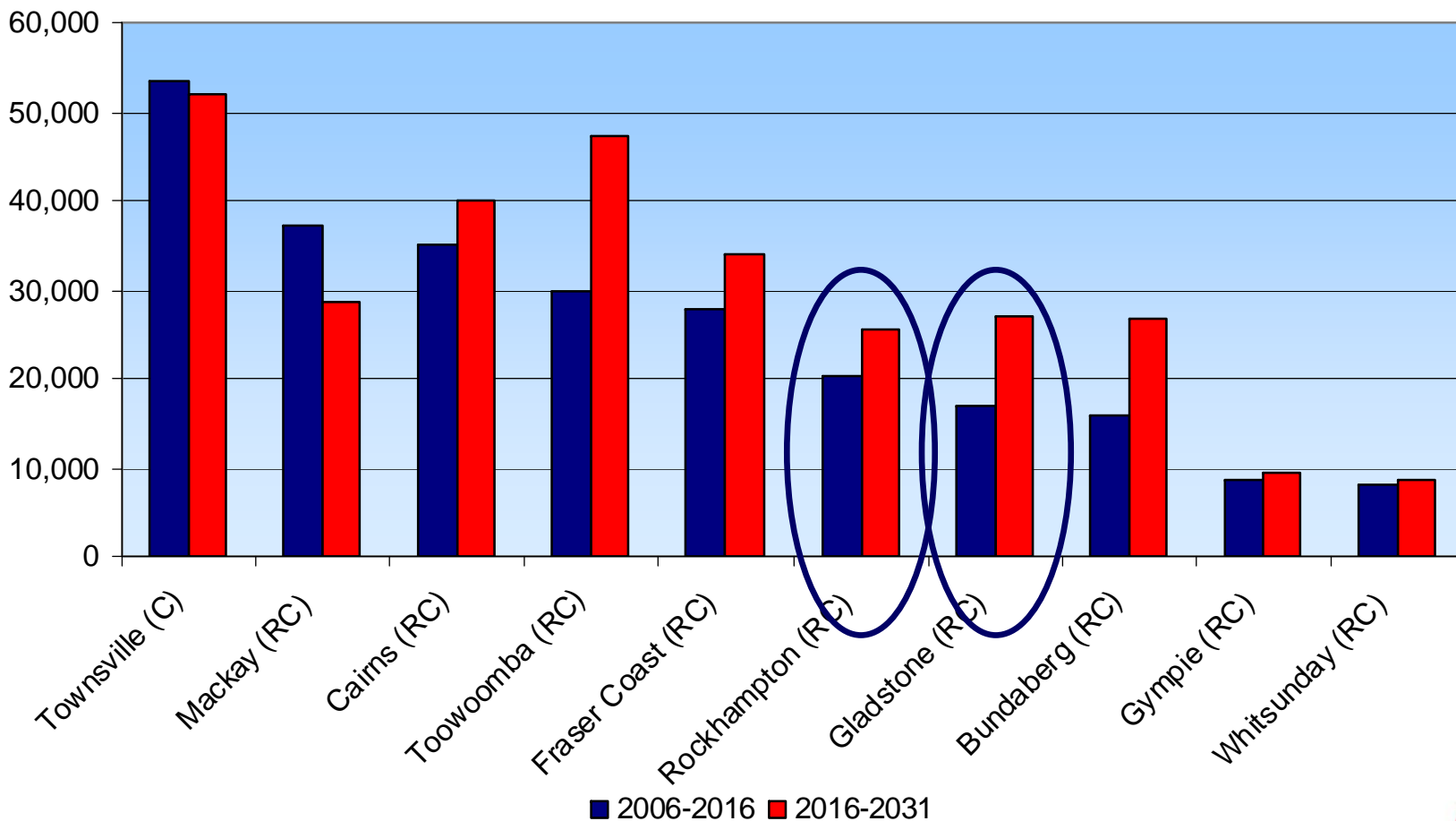
Ranked by growth over total period

■ 2006-2016 ■ 2016-2026

Source: Queensland Government LGA Projections, 2008 ed.



# Rockhampton (R) will be the 6<sup>th</sup> largest growing LGA outside SEQ and Gladstone the 7<sup>th</sup>

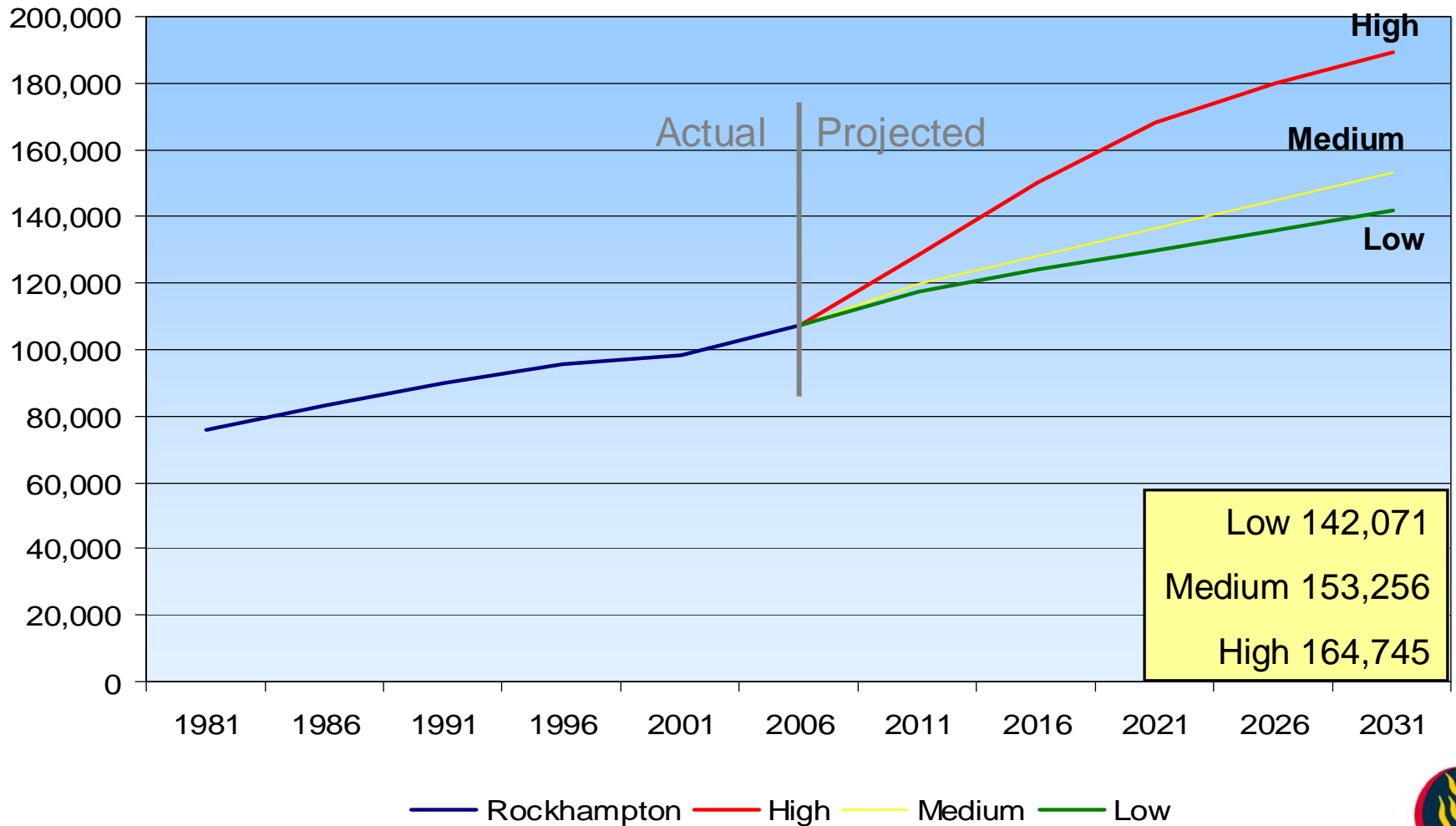


Ranked by 2006-2016

Source: DIP, 2008 edition medium series population projections



## Past and future growth, Rockhampton (R)



Source: ABS Cat No 3311.3 & Department of Infrastructure and Planning population projections, 2008 ed.





## Past population, Rockhampton Regional Council

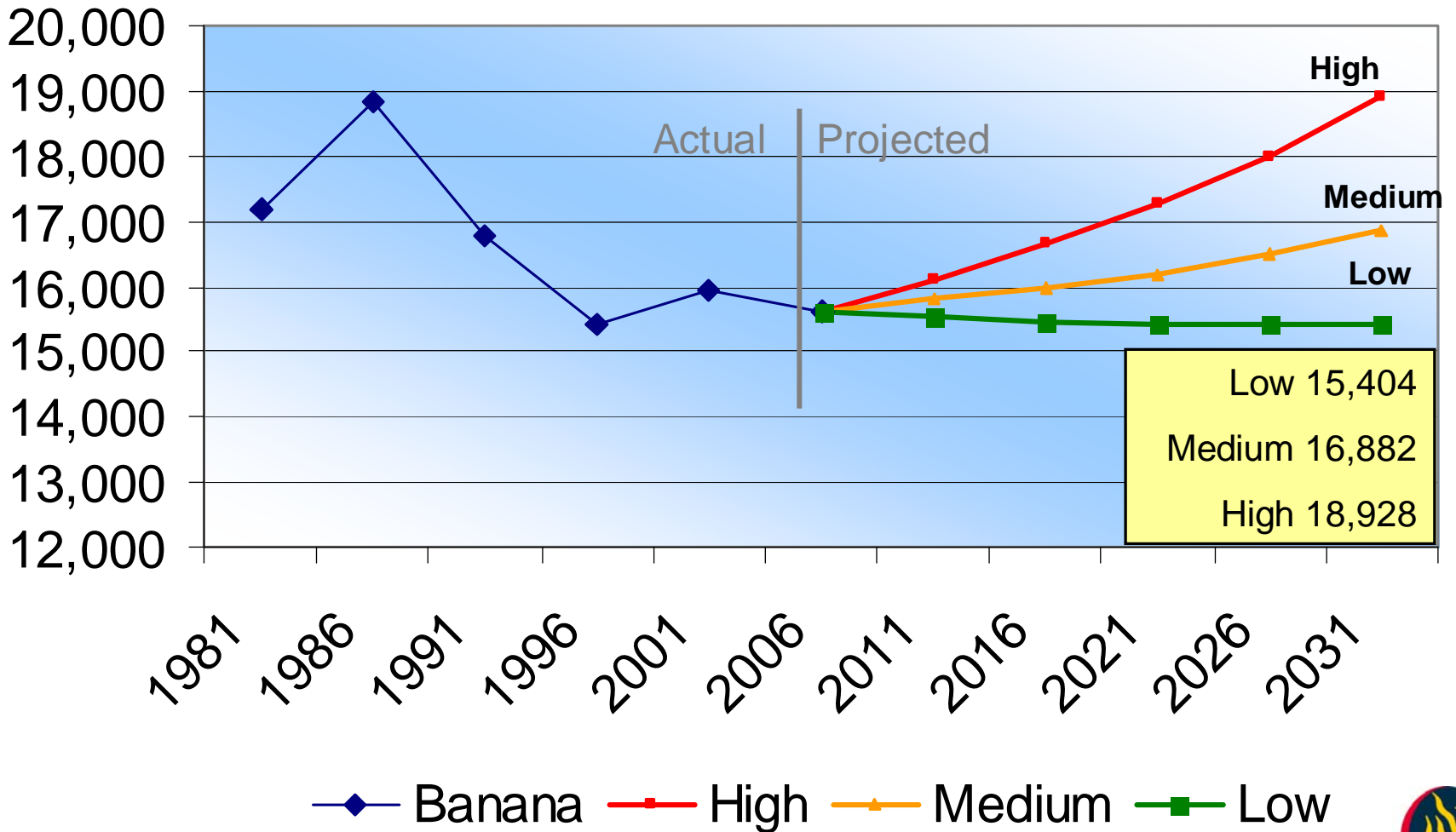
1981	1986	1991	1996	2001	2006
76,021	83,036	89,668	95,797	98,225	107,517

## Projected population, Rockhampton Regional Council

2006	2011	2016	2021	2026	2031
107,517	119,422	127,771	136,069	144,684	153,256

Source: ABS Cat No 3311.3 & Department of Infrastructure and Planning medium series population projections, 2008 ed.

# Past and future growth, Banana (S)



Source: ABS Cat No 3311.3 & Department of Infrastructure and Planning population projections, 2008 ed.

## Past and future population growth – CQ ANM (Fitzroy SD)

	<b>1986-1996</b>	<b>1996-2006</b>	<b>2006-2016</b>	<b>2016-2026</b>
Banana (S)	-3,400	211	353	508
Central Highlands (R)	1,670	2,249	7,509	7,288
Gladstone (R)	8,954	9,817	16,986	17,338
Rockhampton (R)	12,761	11,720	20,254	16,913
<b>Fitzroy SD</b>	<b>17,908</b>	<b>22,357</b>	<b>45,160</b>	<b>42,280</b>

Source: ABS Cat No 3311.3 & Department of Infrastructure and Planning medium series population projections, 2008 ed.

Note: Indigenous communities are not identified separately

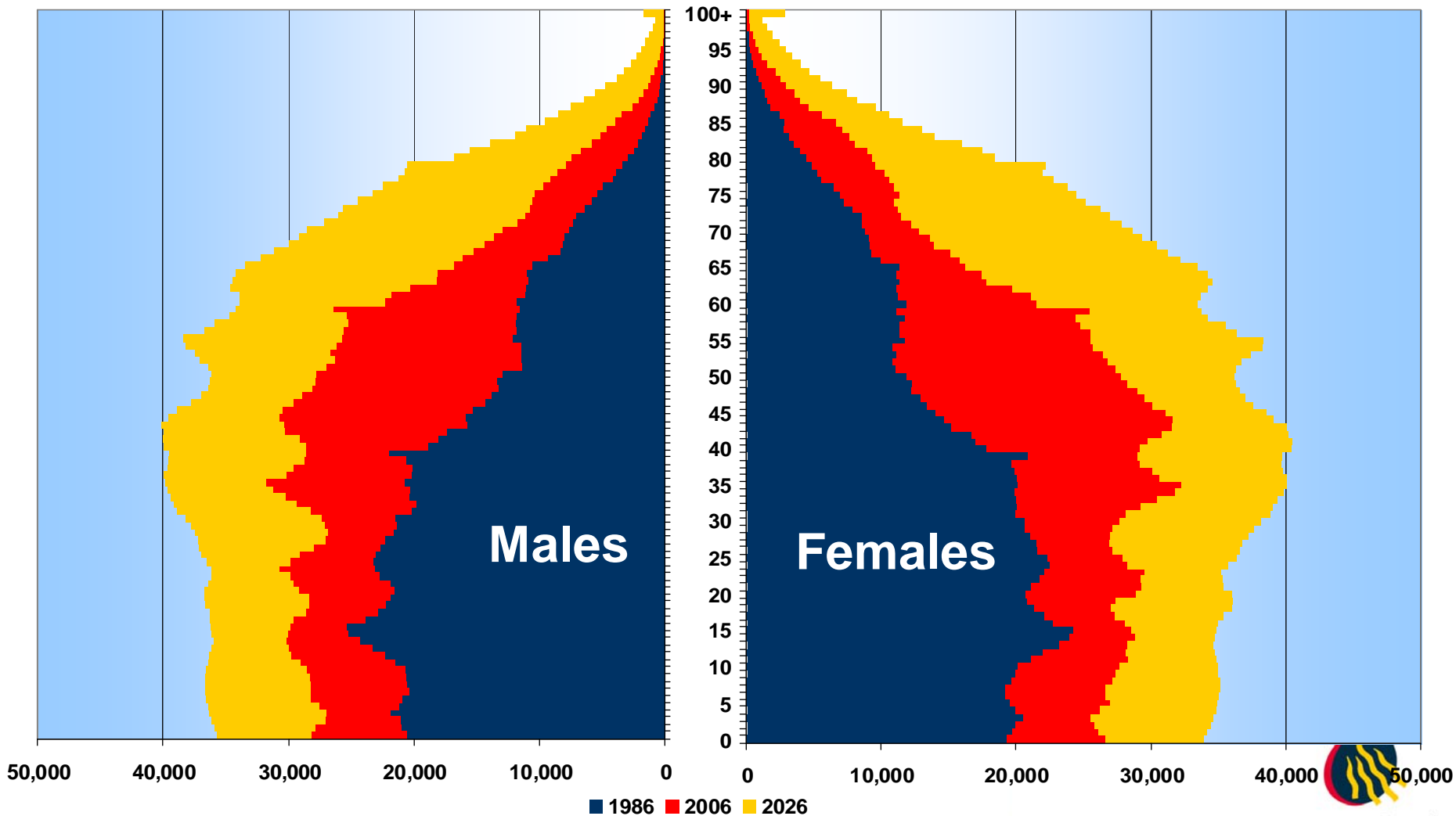
## Fitzroy SLAs, projected growth, 2006-2016

Rank	SLA	2006	2016	No.	%
1	Gladstone (C)	30,928	39,952	9,024	22.6
2	Livingstone (S) - Pt B	26,477	34,590	8,113	23.5
3	Rockhampton (C)	62,565	69,436	6,871	9.9
4	Calliope (S) - Pt A	14,679	20,508	5,829	28.4
5	Emerald (S)	15,334	20,598	5,264	25.6
6	Fitzroy (S) - Pt A	6,542	9,694	3,152	32.5
7	Duaringa (S)	7,214	8,660	1,446	16.7
8	Livingstone (S) - Pt A	4,139	5,241	1,102	21.0
9	Fitzroy (S) - Pt B	4,641	5,342	701	13.1
10	Peak Downs (S)	3,383	3,980	597	15.0

Ranked by absolute growth

Source: Department of Infrastructure and Planning population projections, 2008 ed.

# Queensland age by sex, 1986, 2006, 2026



Source: ABS, Cat. No. 3201.0 & Department of Infrastructure and Planning population projections, 2008 edition, medium series



## Median age at 2006 and 2031 for key regional cities

	2006 (years)	2031 (years)	Change (years)
Rockhampton (R)	37	41	4
Toowoomba (R)	36	42	6
Mackay (R)	36	40	4
Townsville (C)	33	39	6
Cairns (C)	35	41	6
Queensland	36	41	5

Gladstone (R) 35 – 40, Banana (S) 35 - 37

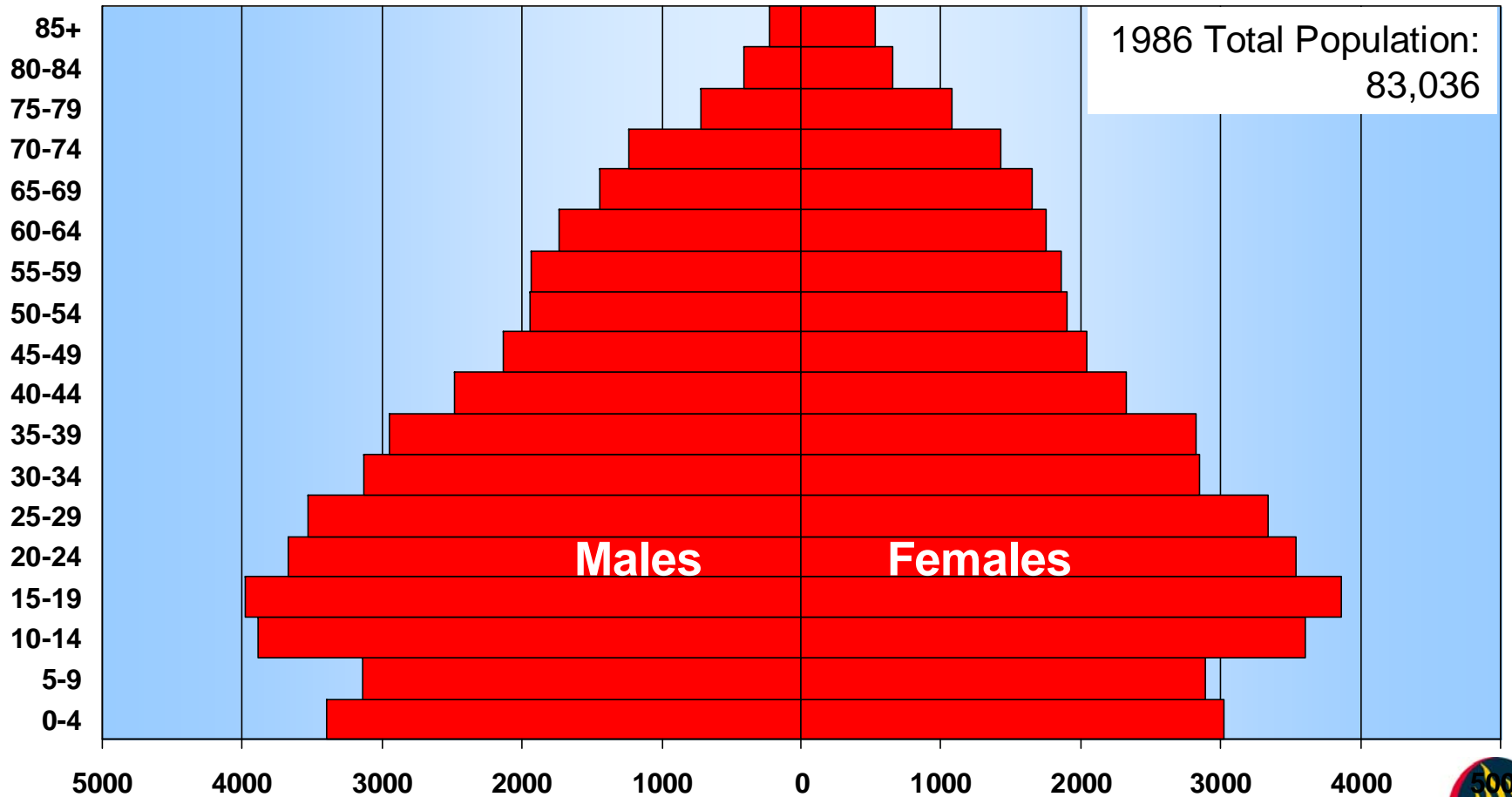
Source: Department of Infrastructure and Planning population projections, 2008 edition, medium series



**Queensland**  
Government

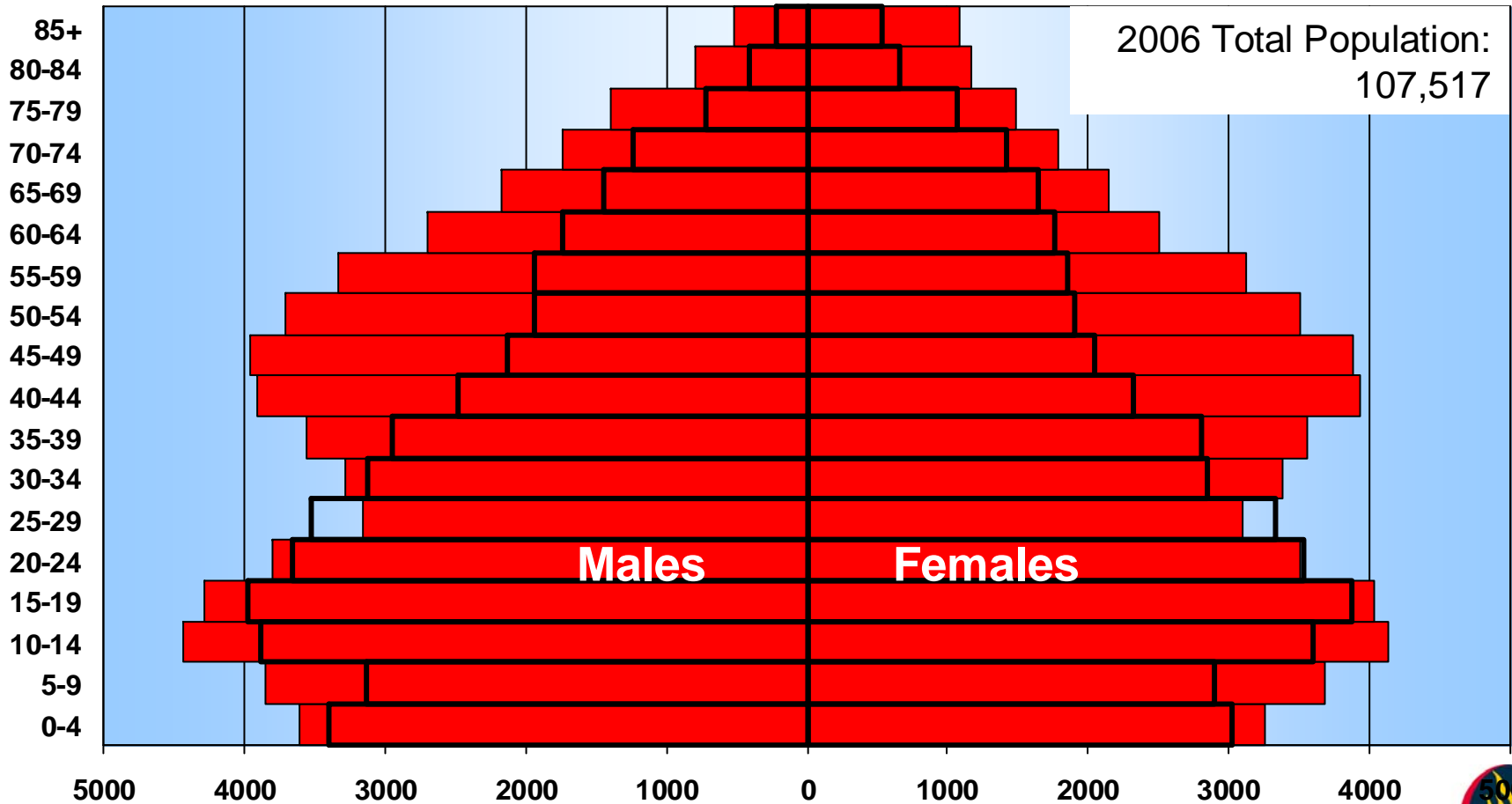


# 1986 population pyramid for Rockhampton (RC)



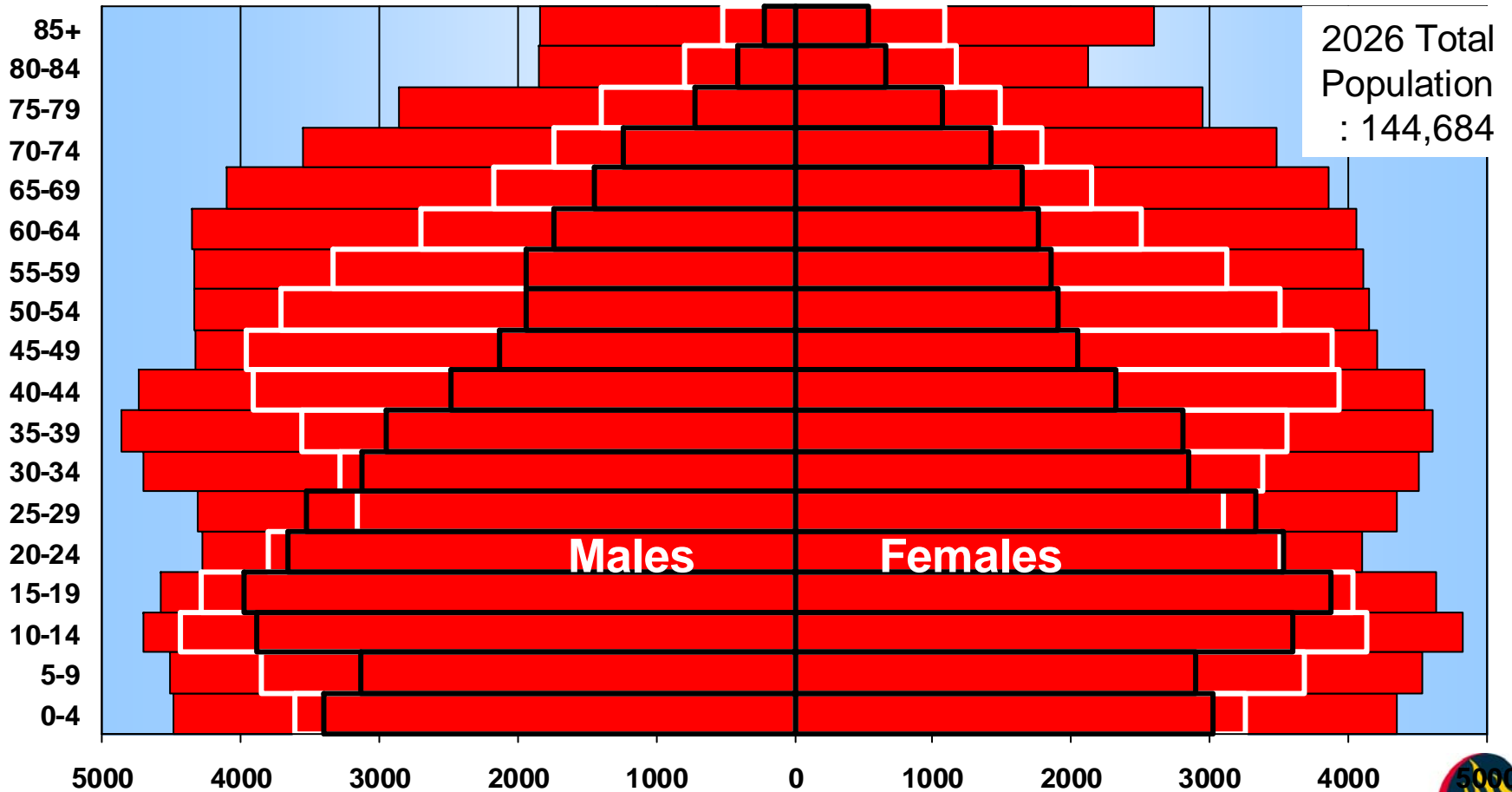


# 2006 population pyramid for Rockhampton (RC)





# 2026 population pyramid for Rockhampton (RC)



**We Can Still Do It!**

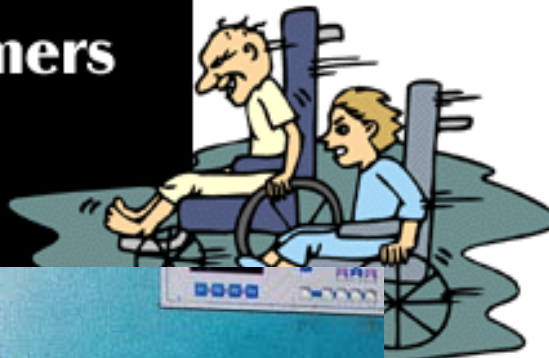


© Original Artist  
Reproduction rights obtainable from  
www.CartoonStock.com

Nevermind cataracts,  
varicose veins  
or heart disease...

## **Baby Boomers**

will find  
ways to  
have fun



*Good news for aging boomers.  
A new report from medical  
circles finds that today's 60  
is like yesterday's 59.*



BROWN.

search ID: dbrn641



**BODYBUILDING**

**FOR**

**BABYBOOMERS**

Over 40 Training To Help  
You Redefine Age.

**New roles for ageing baby boomers?**

# Projections of households, dwellings and living arrangements 2006-2031

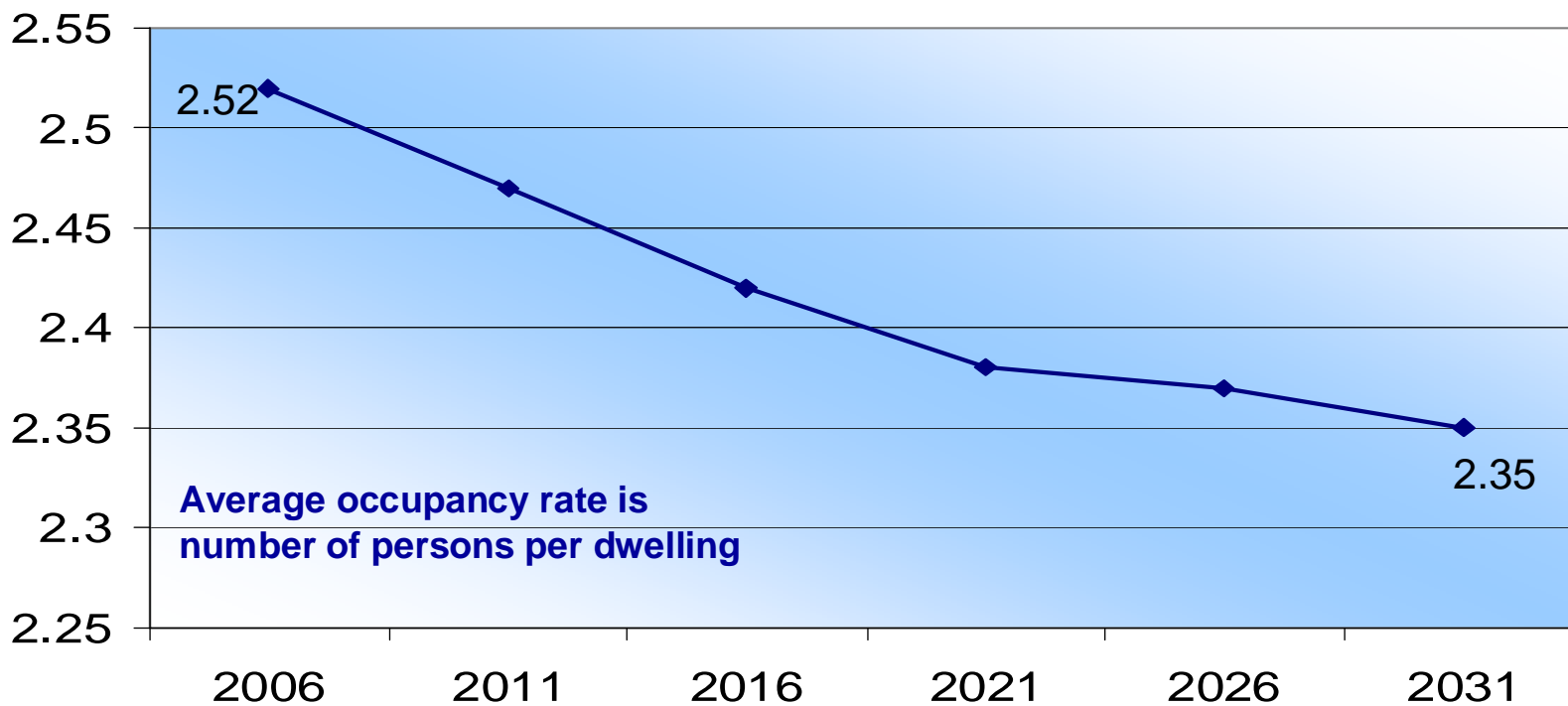
- Projections will be available for
  - Households (number and type of households)
  - Dwellings (number of dwellings)
  - Living arrangements (number of persons by type of living arrangement - Queensland only)
- Update and expansion of PIFU's 2006 edition household projections
  - Projections of dwellings and living arrangements are new
  - Aligns household projections (and dwelling and living arrangement projections) with 2008 edition population projections
- Data are projected at LGA-level out to 2031 (old and new) and due for release in September



## Total dwellings, Rockhampton Regional Council

2006	2011	2016	2021	2026	2031	Change	
						2006-2016	2006-2031
42,736	48,421	52,869	57,060	61,126	65,208	10,133	22,472

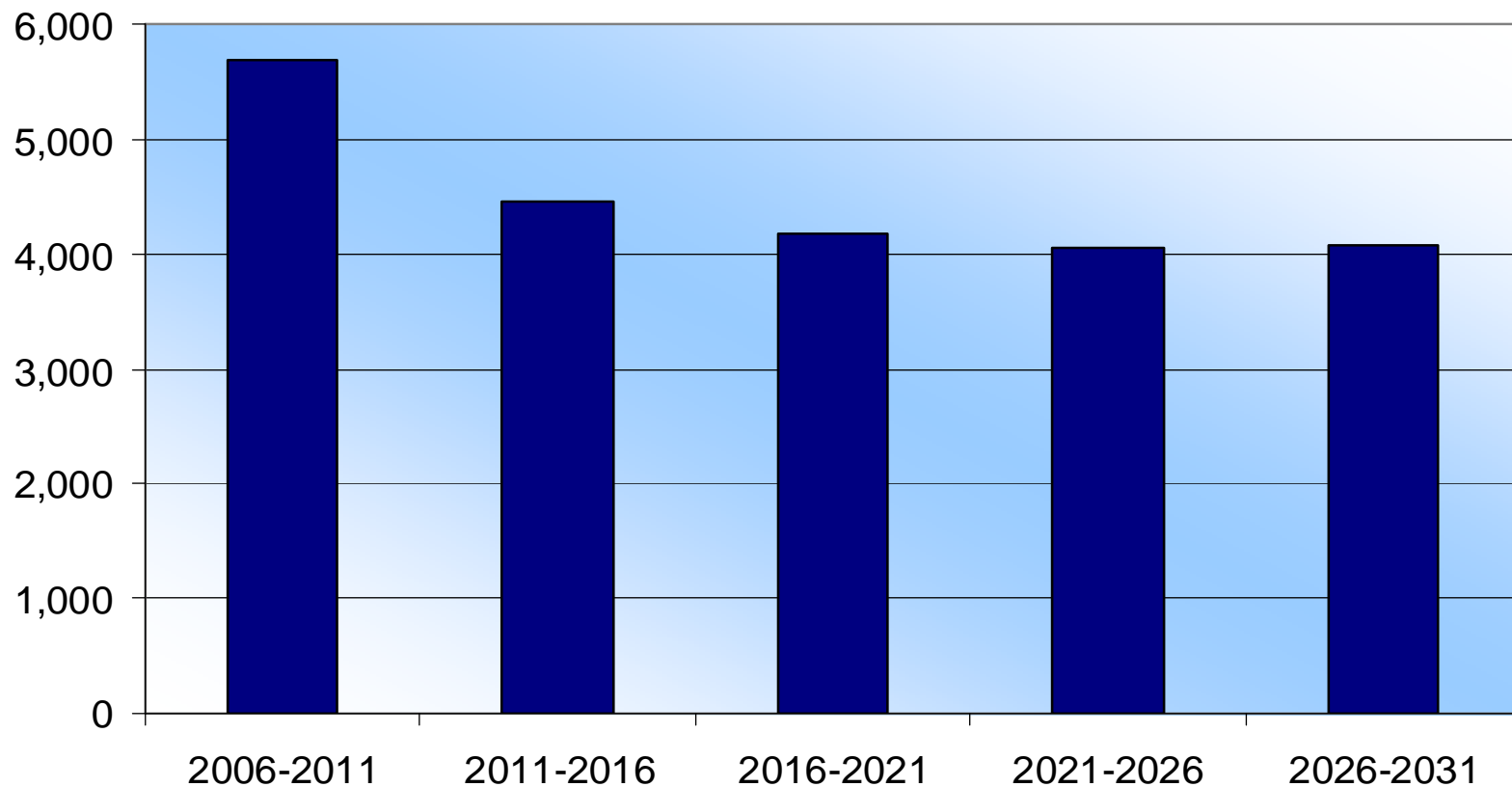
## Average occupancy rate, Rockhampton Regional Council



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition

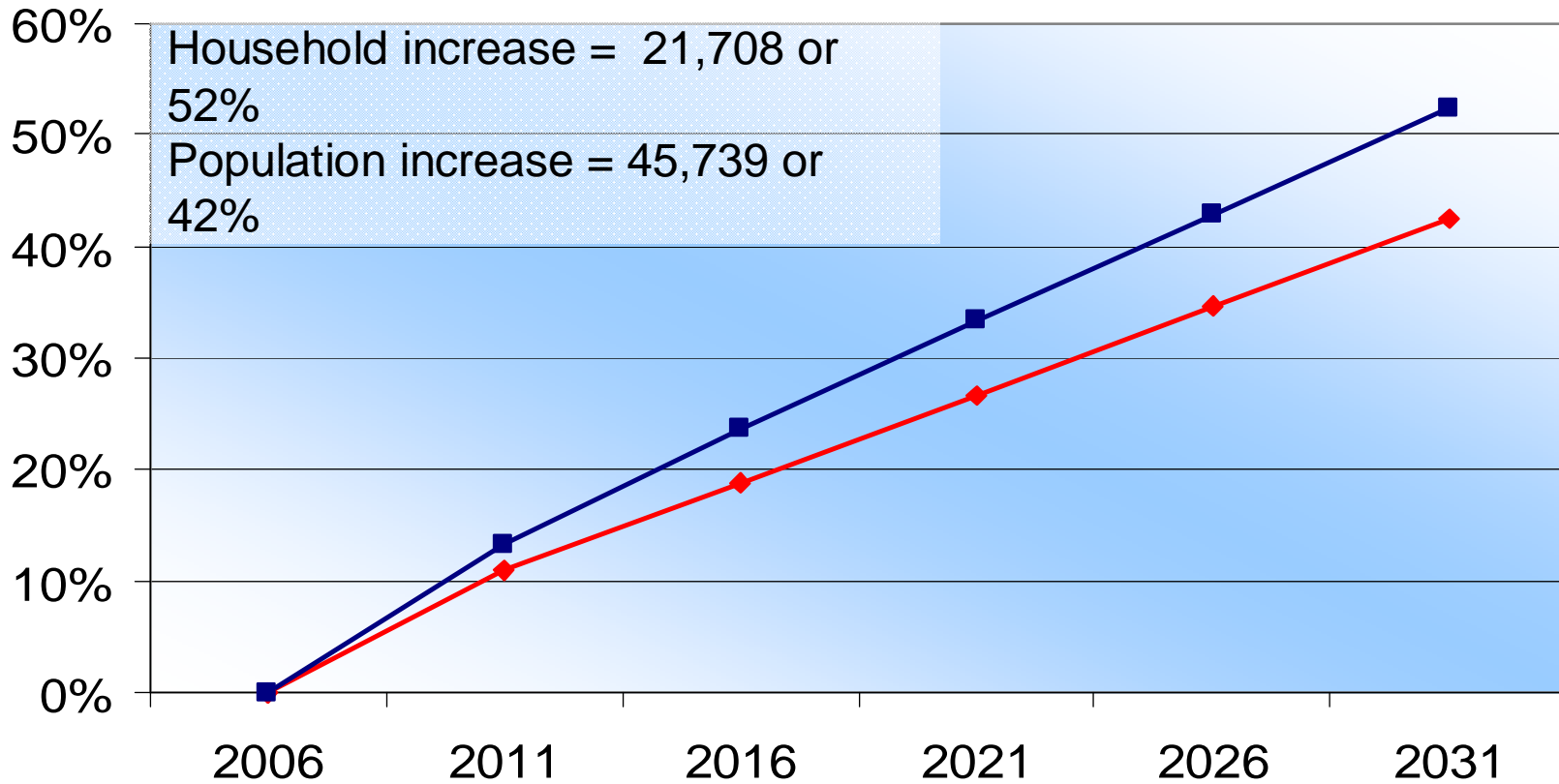


## Change in dwellings, 2006–2031, Rockhampton (R)



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition

# Household growth will be faster than population growth in Rockhampton (R)



—◆— Population —■— Households

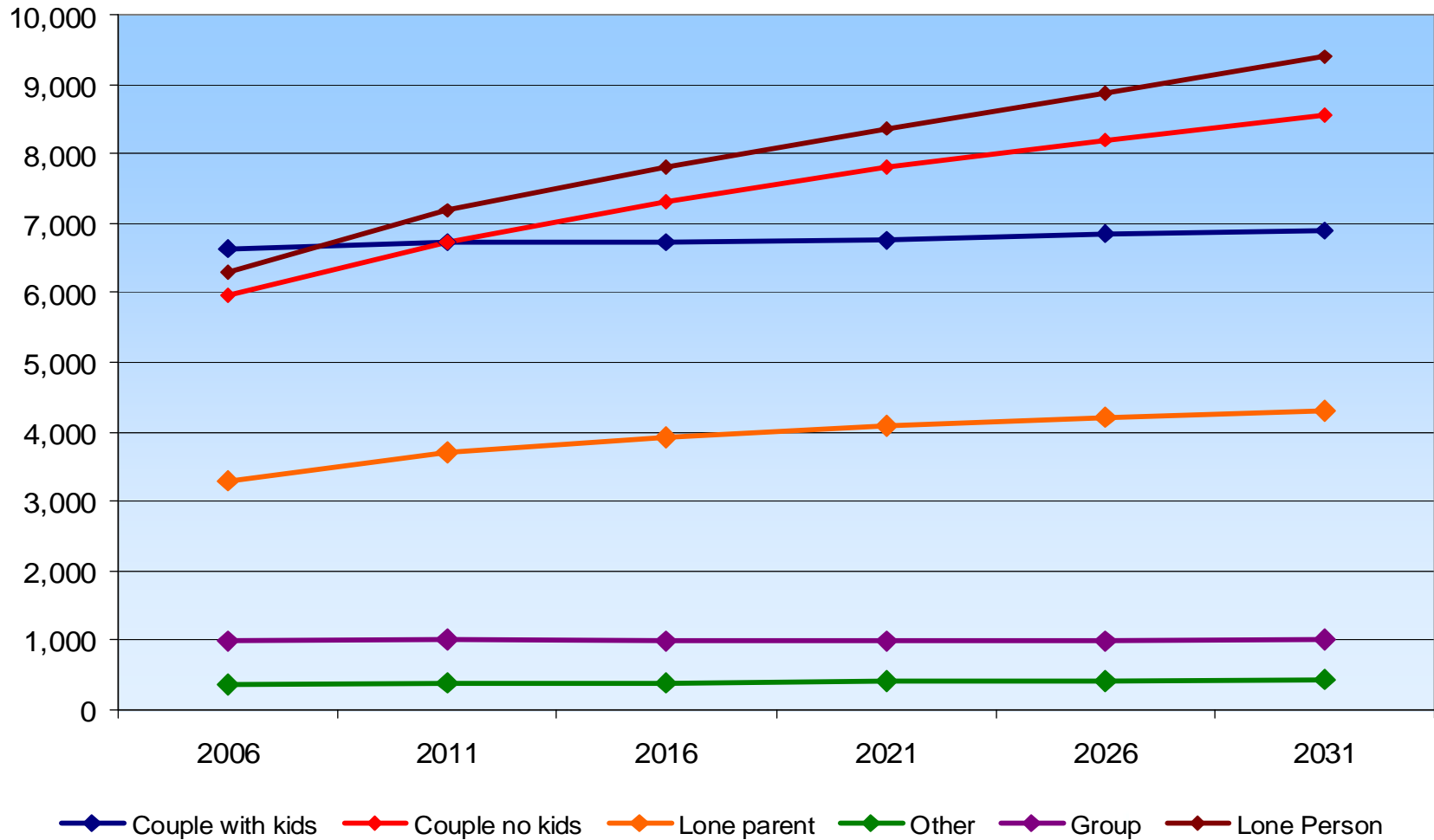
Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition



## Drivers of change

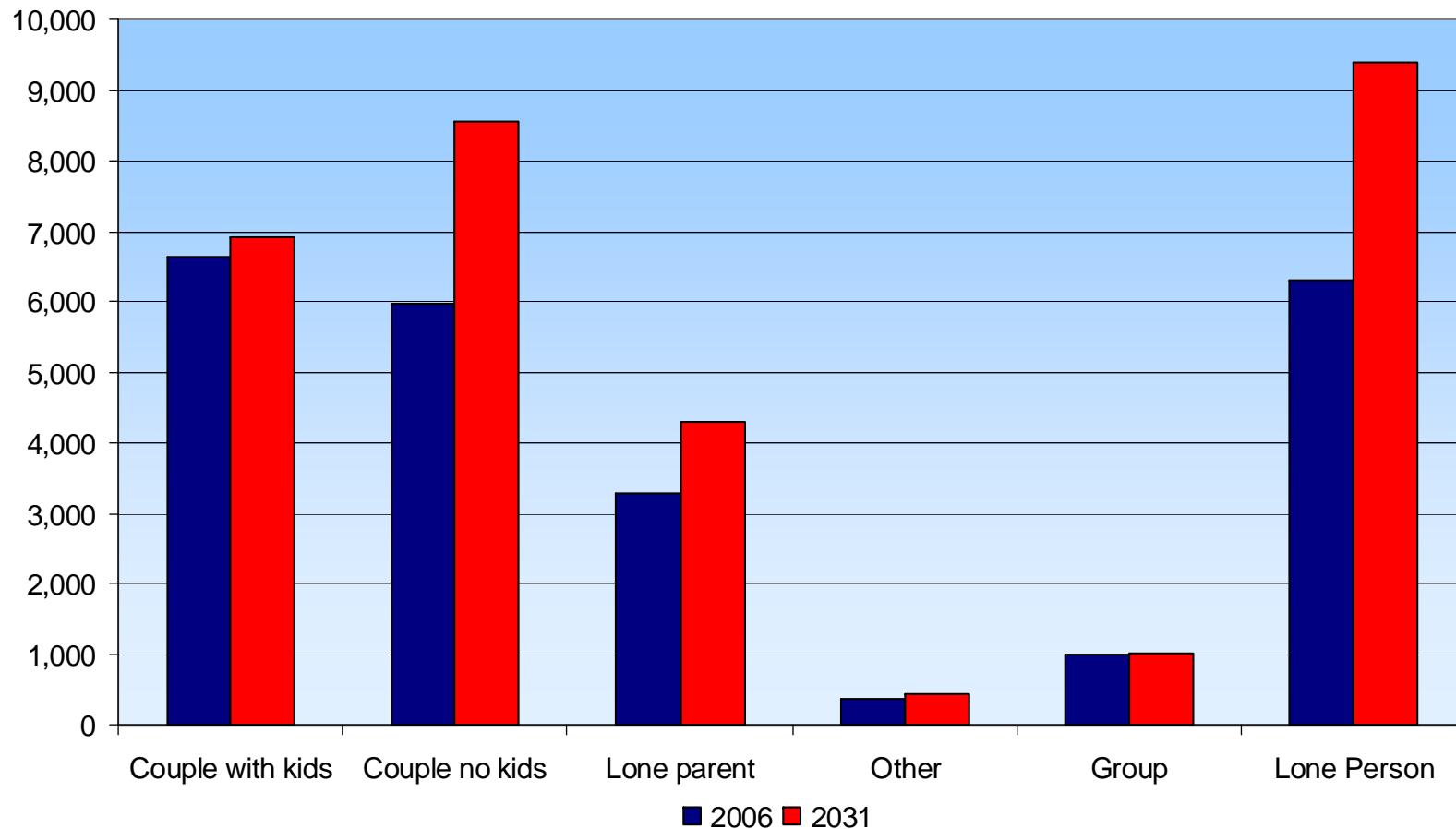
- Large increase in last 15 years in households without children, at the expense of traditional family households due to:
  - Population ageing and increasing life expectancy
  - Baby boomers moving into retirement and couple only households – will become lone person households
  - Children of the boomers moving into young family stage
  - Delayed fertility may have stalled
  - Increasing number of older people will be main influence on future household structure

# Couples without children and lone person households will become the most common household types in Rockhampton (R)



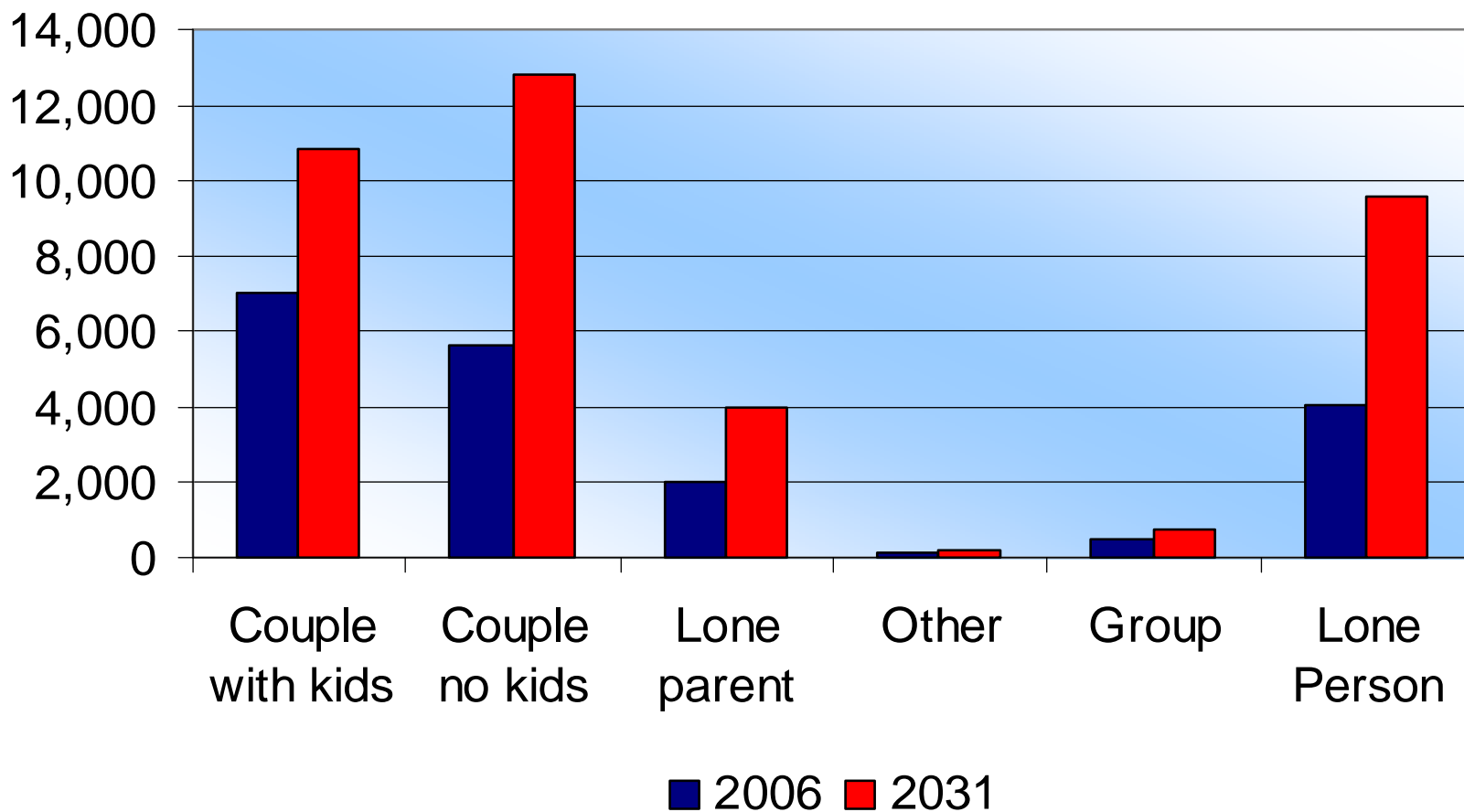
Source: Qld Govt, 2008, Queensland household projections, 2006-31

## Growth by household type, Rockhampton (R), 2006 and 2031



Source: Qld Govt, 2008, Queensland household projections, 2006-31

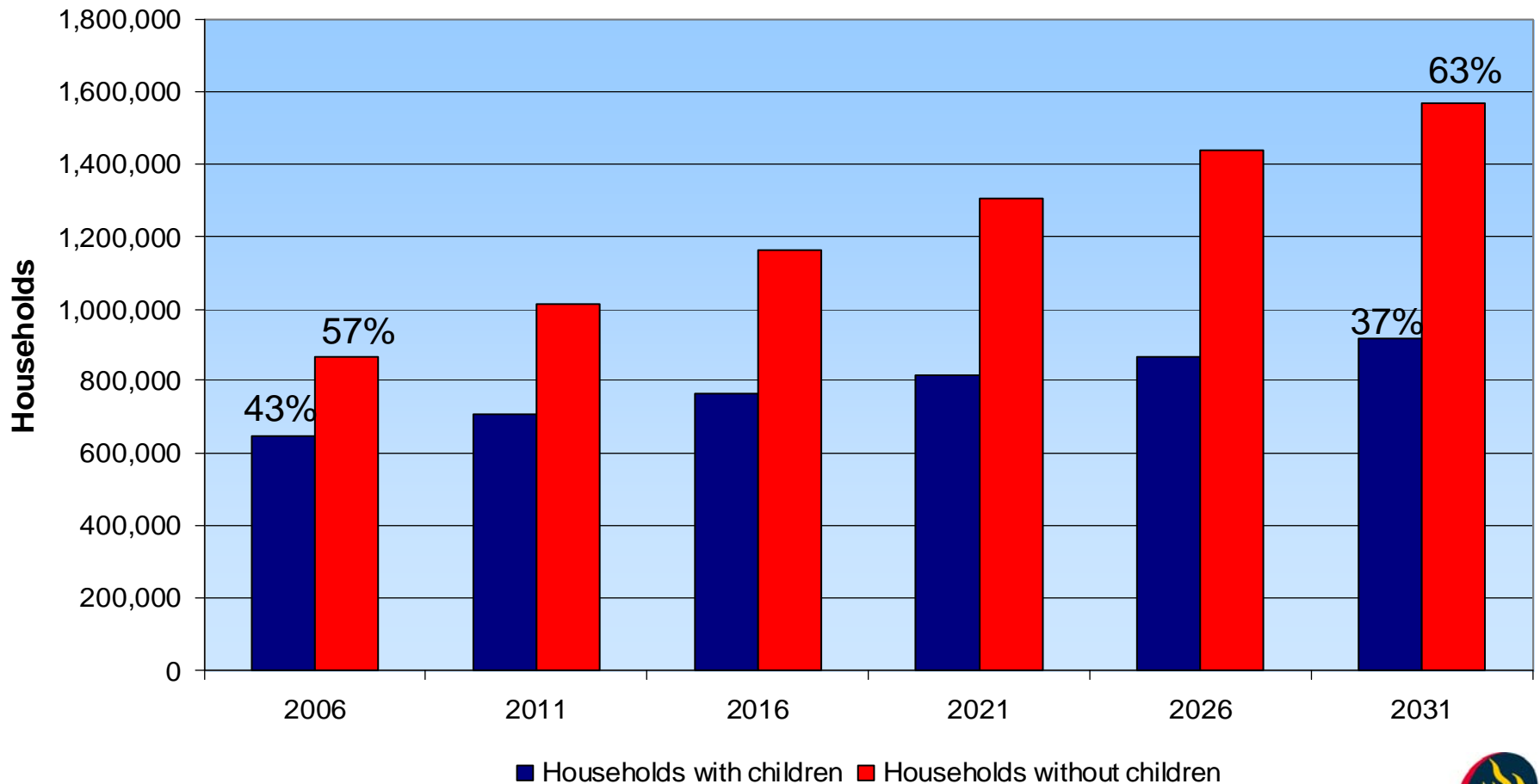
## Growth by household type, Gladstone (R), 2006 and 2031



Source: Qld Govt, 2008, Queensland household projections, 2006-31



## Households with and without children, Queensland



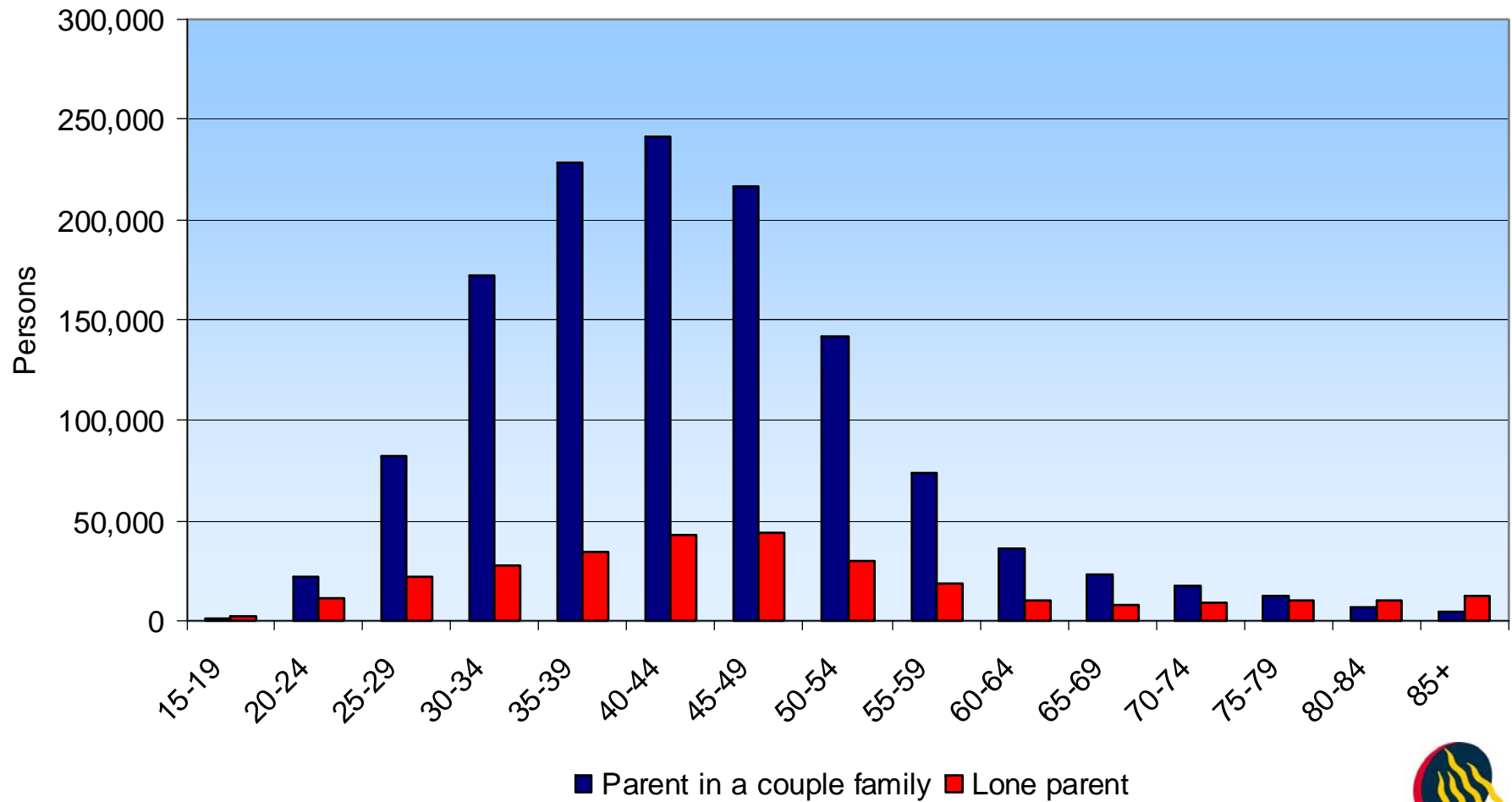
Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition



Queensland  
Government

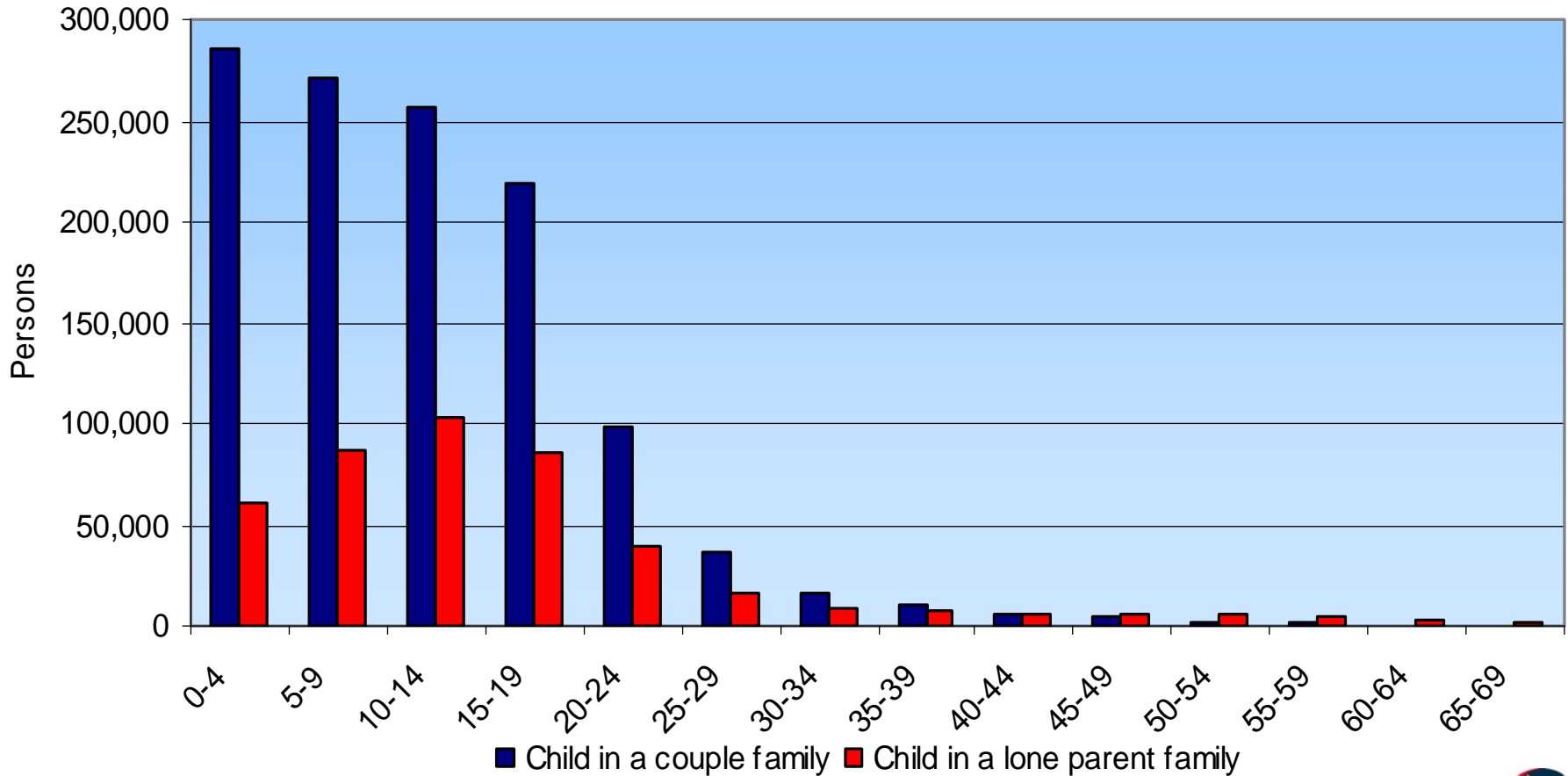


## Age of parents by family type, Queensland 2031



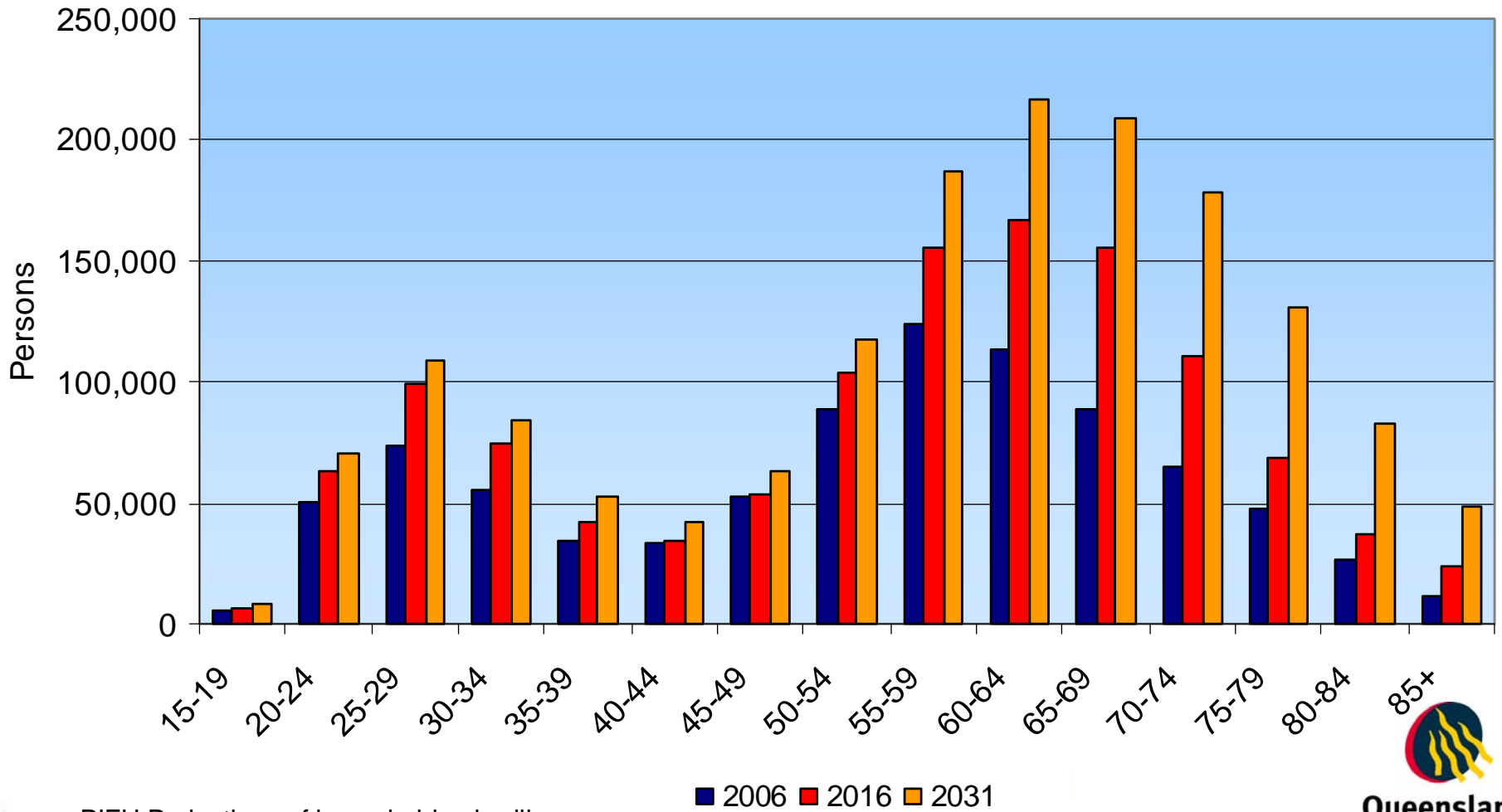
Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition

# Age of children by family type, Queensland 2031



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition

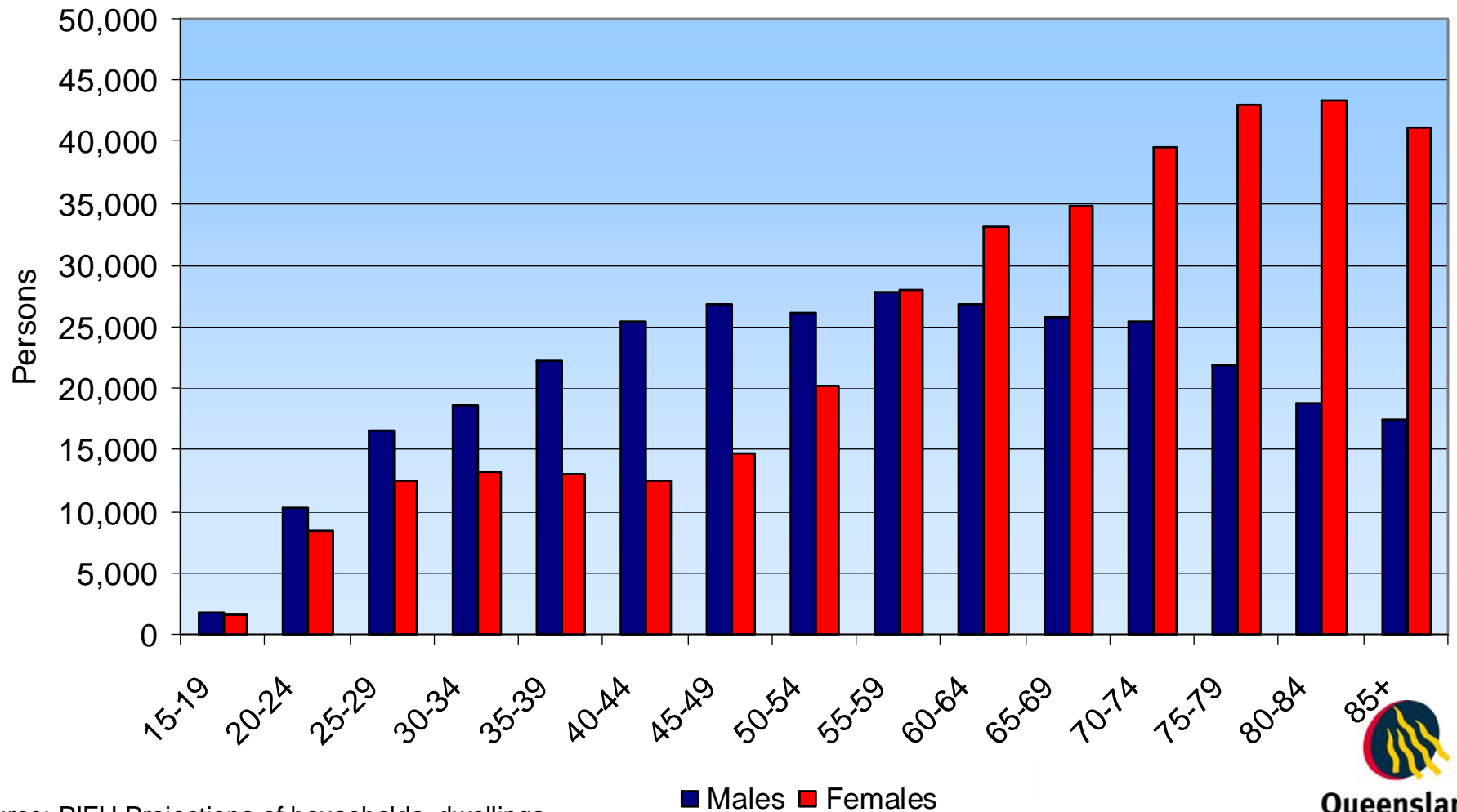
# Couple only households by age, Queensland 2006, 2016 and 2031



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition



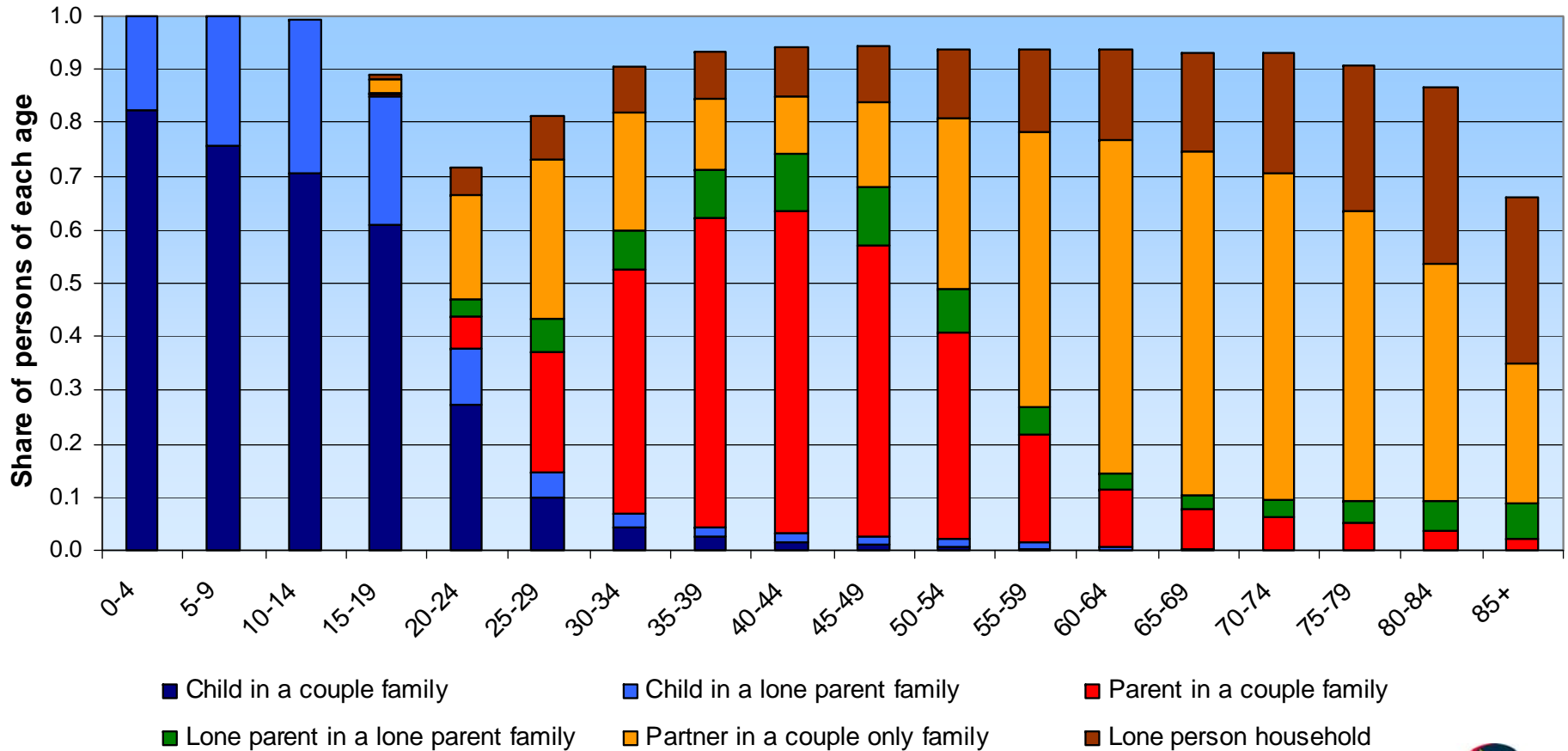
## Lone person households by age and sex, Queensland 2031



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition



# Living arrangements by age, Queensland 2031



Source: PIFU Projections of households, dwellings and living arrangements, 2009 edition



## What will this data be useful for?

Providing projections of the number and types of households, demand for dwellings and projected living arrangements

- Assists regional planning
- Planning for future infrastructure needs
- Provides an insight into the demand for new dwellings

Release expected in September





## Implications or how do I assess what this means for me?

- Scale of growth – how much will the population increase?
- Pace of growth - from 2016 most baby boomers will be retired (lead cohort turning 70 years)
- Distribution of growth – what are the main hot spots for growth and what will happen in other areas of the city?
- Changing characteristics – ageing of the population will drive changing household structure and impact on the labour force





## The infrastructure challenge...

- What is the most effective way to provide the required infrastructure?
  - 'hard' infrastructure such as roads, electricity and sewage and
  - 'soft' infrastructure such as hospitals, schools, aged care facilities, community facilities and services)
- While the PIP (Priority infrastructure plan) seeks to plan the provision of hard infrastructure:
  - Is there a co-ordinated and strategic vision for the provision of soft infrastructure, the encouragement of community and economic development and the provision of services in new and revitalised communities?
  - Where is the 'glue' that holds communities together?
  - How will social capital be expanded and the quality of life maintained?





## Summary 1.

- Prospects are for strong growth to continue
- Migration will continue to be the main driver of growth – overseas
- Most of the future growth will be focused in the south east corner - particularly along the coast and in Ipswich
- Regional cities, also mostly along the coast except for Toowoomba, will have continuing strong growth





## Summary 2.

- Rockhampton Regional Council is projected to have the 6<sup>th</sup> largest growth outside SEQ with an increase of more than 77,000 people in the 25 years to 2031
- Gladstone (R) will have 7<sup>th</sup> largest growth outside SEQ with 44,100
- The Fitzroy Region will grow by more than 110,100 over the 25 years to 2031 (compared with growth of 57,500 over the last 25 years).
- Smaller towns and localities, on or near the coast, adjacent to a larger centre or seen as lifestyle destinations, will grow
- Smaller centres inland or in western Queensland will have either stable populations or small declines
- Exceptions are locations near to resource development activity – if the associated workforce chooses to live locally





## Summary 3.

- While Queensland's (and the Fitzroy region's) population growth is rapid, household and dwelling growth will be faster
- The ageing population will have very significant impacts on the living arrangements of Queensland residents in the future
- Households without children (couple, lone person, group households) will make up a larger share (nearly two-thirds) of all households and account for three-quarters of household growth over the next 25 years



## Queensland's future population will be very different to the current one...

- Size – will be much larger (2031 population will be 1.4 – 1.7 times larger than in 2006)
- Distribution – increasing concentration in SEQ but pace will slow as regional cities are the location of more growth than in past years. Western Queensland will continue to lose population but more slowly than in the past.
- Composition – ageing, ageing, ageing
  - Under 45 years 40% of growth
  - 45 years or more 60% of growth
  - More overseas born



# How will Rockhampton and Central Queensland respond to these challenges?

Please contemplate over morning tea



Queensland  
Government



Department of **Infrastructure and Planning**  
Planning Information and Forecasting Unit  
PO Box 15009 City East Qld 4002 Australia  
**tel** +61 7 3237 1115  
**fax** +61 7 3235 4071  
pifu@dip.qld.gov.au

[www.dip.qld.gov.au](http://www.dip.qld.gov.au)



**Queensland**  
Government