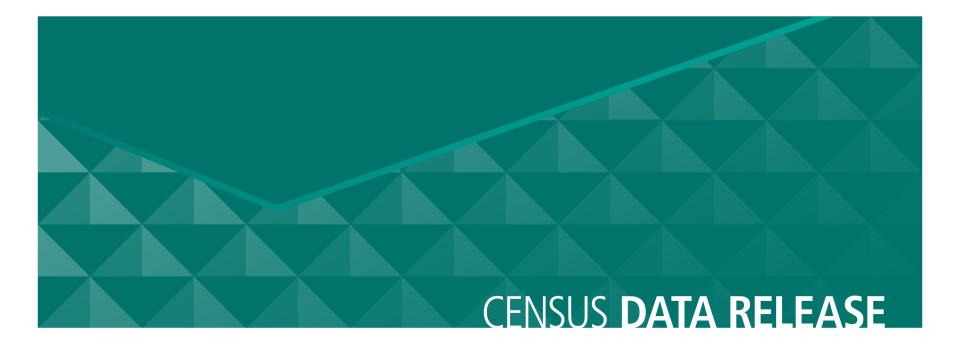
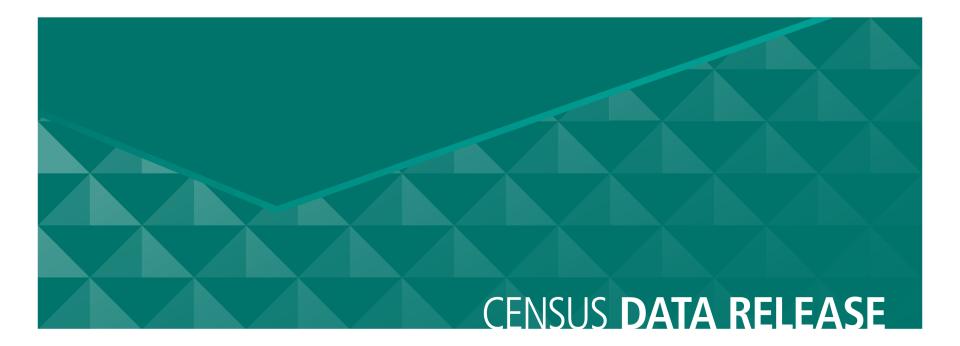


Chris Libreri General Manager



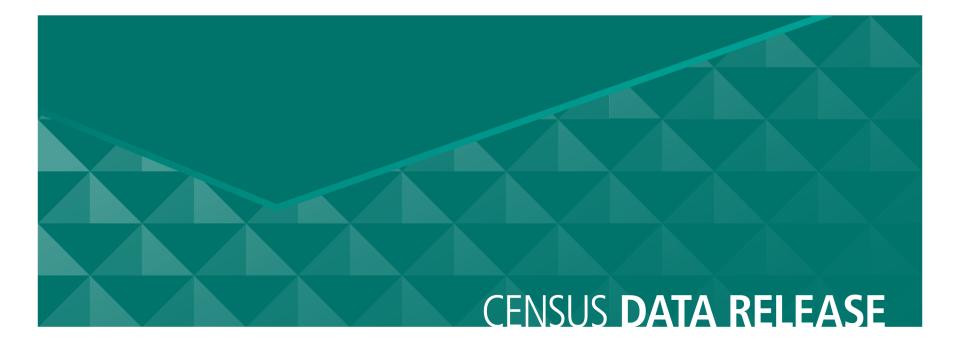


2016 Census Data October Release





Bindi Kindermann Census Branch, Program Manager







Top line findings from the 2016 Census regarding:



Employment



Qualifications



Population mobility,

including method of travel to work and internal migration

Value of the Census

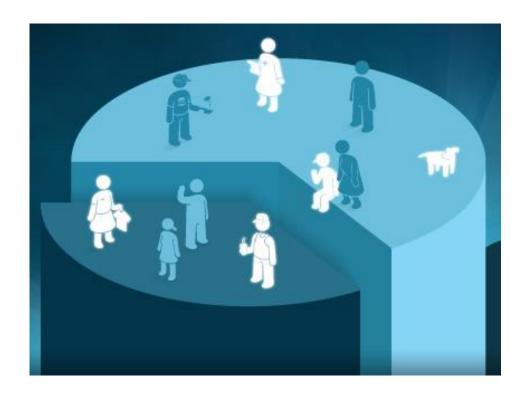


Allocation of government funds and support for elections

Government planning, administration and policy development

Use in other ABS statistics

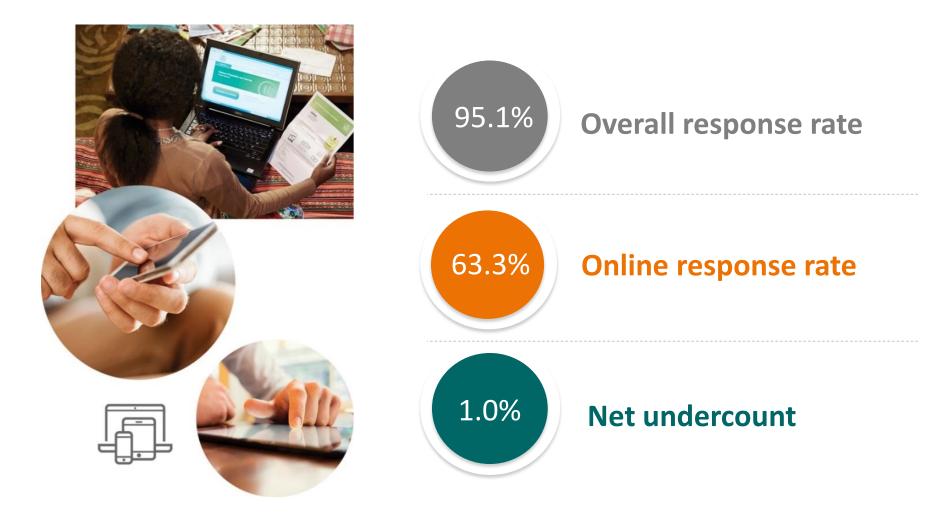
Use by communities, businesses and researchers



The most comprehensive and detailed picture of Australia's population and housing, and how Australia is changing.

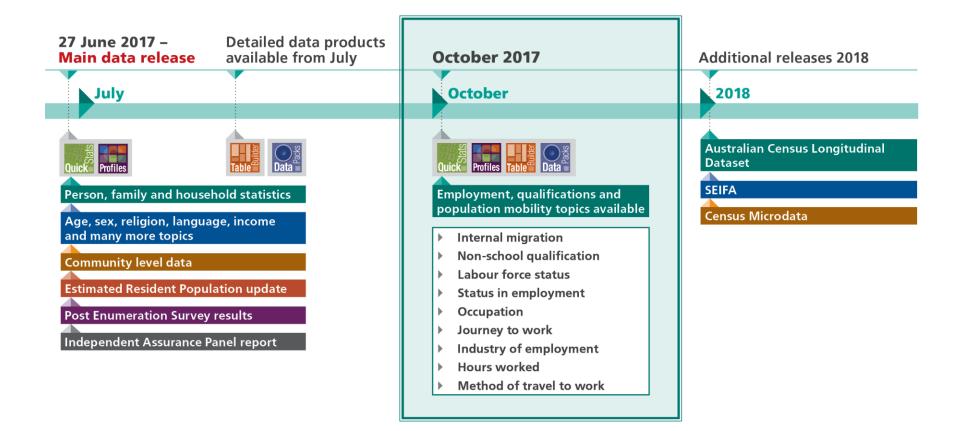
High quality Census





2016 Census: Release dates





What we've been up to







Employment

Bjorn Jarvis Labour and Income Branch, *Program Manager*



Employment: What we collected



Employed people

- Occupation and job description
- Name of Business
- Industry of Business
- Goods/Services provided by business
- Hours worked
- Whether a respondent is an employee or self employed

Self employed people

- Number of employees
- Whether the business is Incorporated or Unincorporated

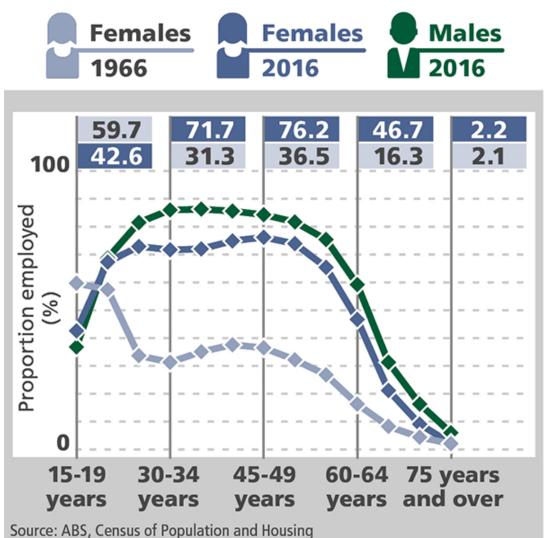
Not employed people

- Whether a respondent was actively looking for work, and
- Whether a respondent was available to start work

Employment by age: Census



Proportion of people employed in each age group – 1966 and 2016



Top industries of employment



Health Care and Social Assistance 1.35 Million Australians 13% of employed people

Retail Trade 1.05 Million Australians 10% of employed people

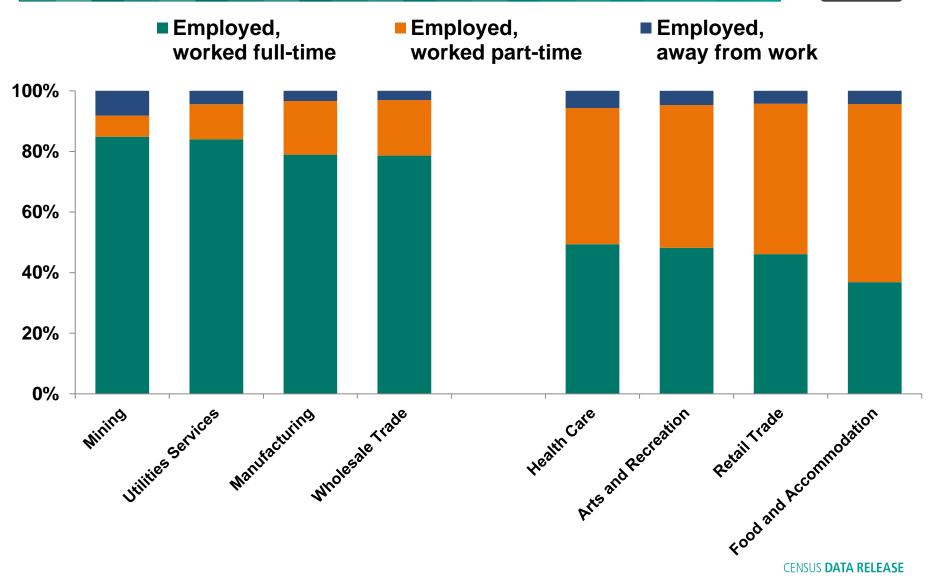
Education and Training 920,000 Australians 9% of employed people

Construction 910,000 Australians 9% of employed people

Professional, Scientific and Technical Services 775,000 Australians 8% of employed people

Distribution of full-time employment by industry





Changing picture of industries: 2011 - 2016





Arts and Recreation Services 16.6% growth since 2011



Manufacturing 24.3% decline since 2011



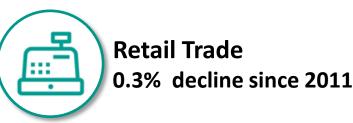
Health Care and Social Assistance 15.7% growth since 2011



Wholesale Trade 23.8% decline since 2011



Education and Training 15.1% growth since 2011

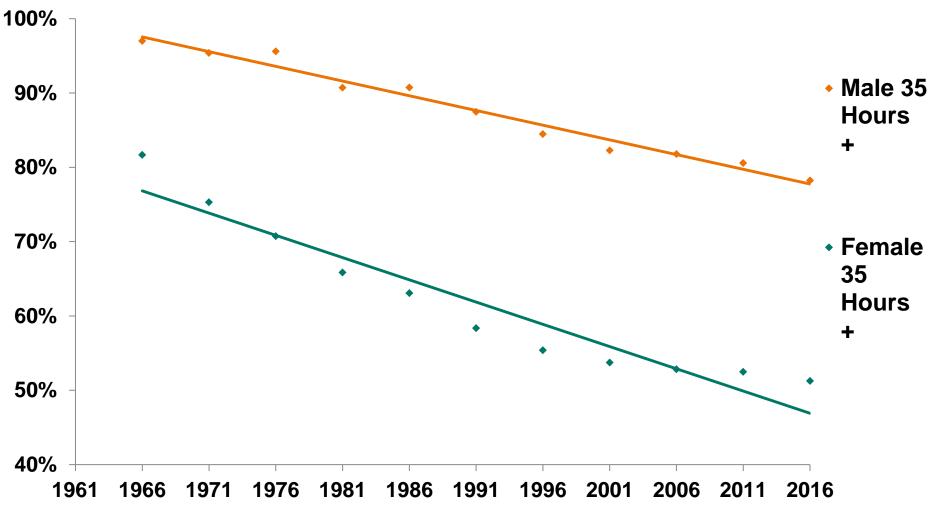


Changing picture of industries: 2011 - 2016



State	Industry	Growth (%)
NSW	Construction	1.3
INSIN	Manufacturing	- 2.5
VIC	Health Care and Social Assistance	1.3
	Manufacturing	- 2.8
QLD	Health Care and Social Assistance	1.4
	Manufacturing	- 2.3
SA	Health Care and Social Assistance	1.4
	Manufacturing	- 2.5
WA	Health Care and Social Assistance	1.7
	Manufacturing	- 2.6
TAS	Health Care and Social Assistance	2.4
	Manufacturing	- 1.8
NT	Construction	2.2
	Public Administration and Safety	- 2.3
АСТ	Health Care and Social Assistance	1.3
	Public Administration and Safety	- 1.6

Hours worked (full-time): 1966 – 2016

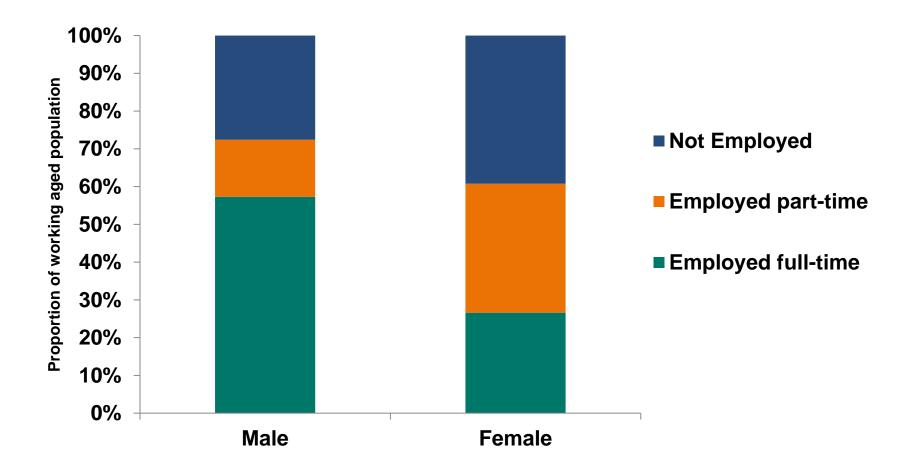


CENSUS DATA RELEASE

Australian Bureau of Statistics

Working parents

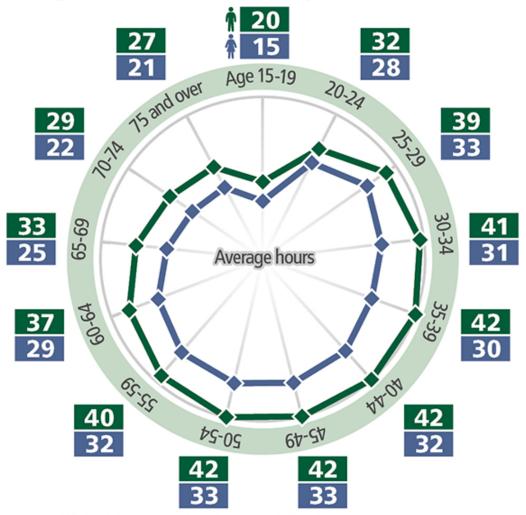




Working hours as we get older



Average hours worked in week prior to Census

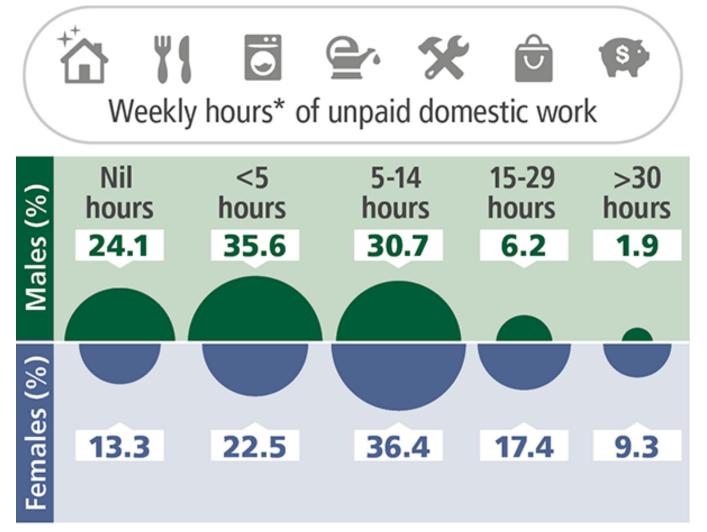


CENSUS DATA RELEASE

Source: ABS, 2016 Census of Population and Housing

Domestic work





*Hours in the week prior to Census for employed people. Source: ABS, 2016 Census of Population and Housing

Top occupations & industries



Top four occupations

Males



Females

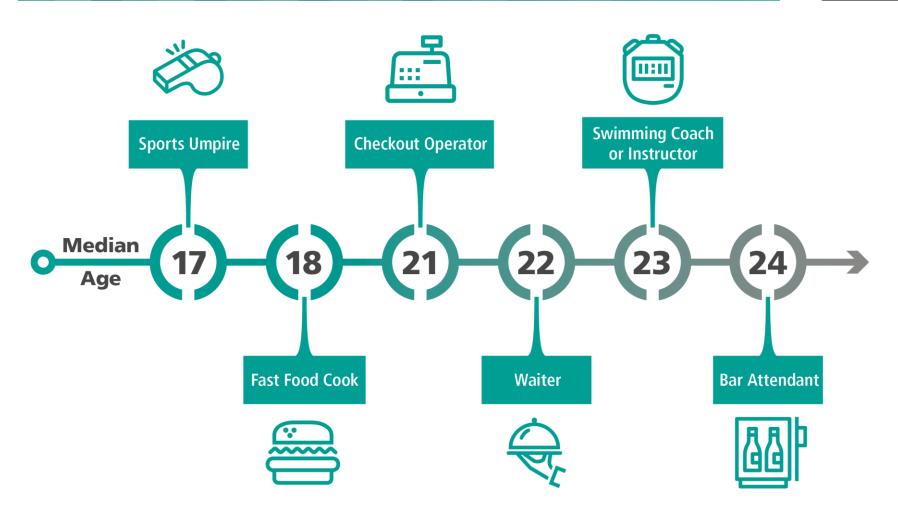


Carpenters and joiners 101 134

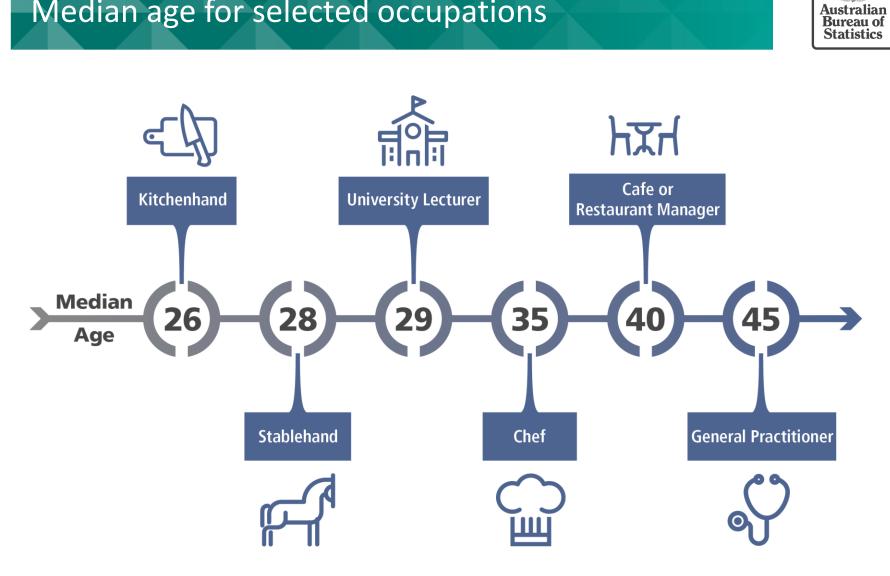
Source: ABS, 2016 Census of Population and Housing

Median age for selected occupations



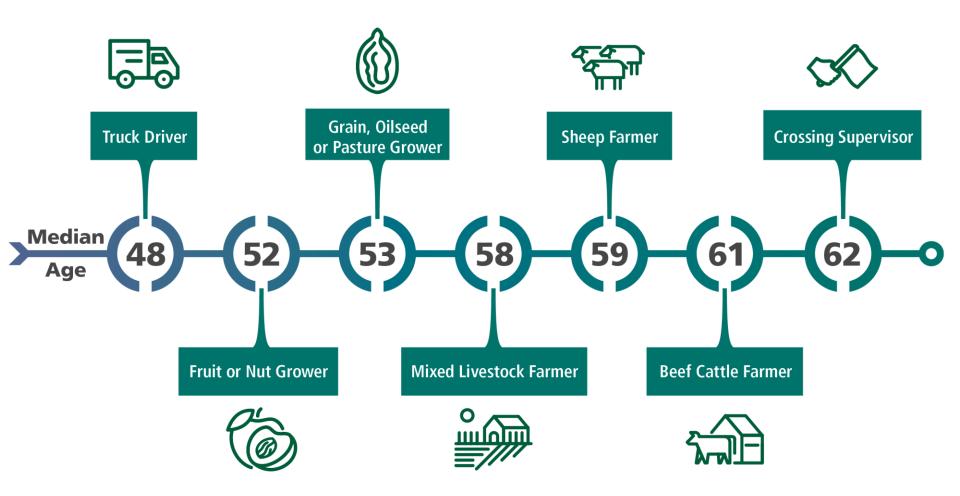


Median age for selected occupations



Median age for selected occupations





How we work: older Australians

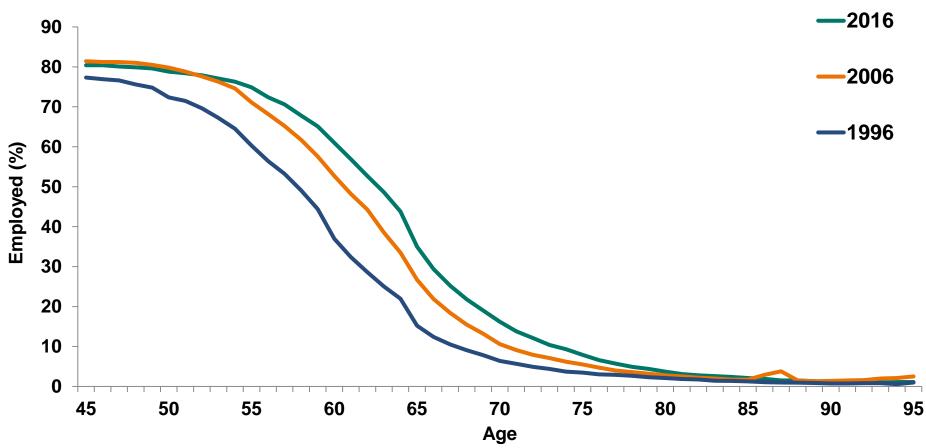


	Age Range				
	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years
Average Hours Worked	33	30	26	25	25
Employed (%)	52.8	26.1	12.6	6.0	3.0
Median Income	626	468	435	422	421
Top Occupation	Sales Assistant (General)	Sales Assistant (General)	Beef Cattle Farmer	Beef Cattle Farmer	Beef Cattle Farmer

How we work: older Australians



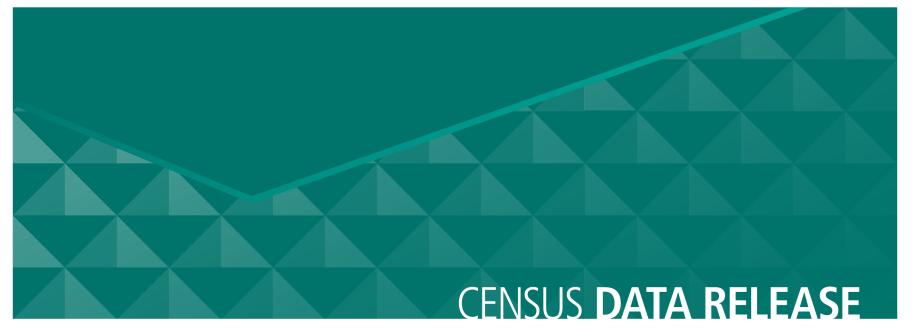
% Employed: 1996-2016 Aged 45-95 years





Qualifications

Phillip Wise *Director (A/g),* Census Dissemination



Education



What we collected

- Current attending status (full time/ part time/ not attending)
- Type of educational institution attending
- Field of study
- Level of study
- Highest level of education attained
- Field of qualification attained

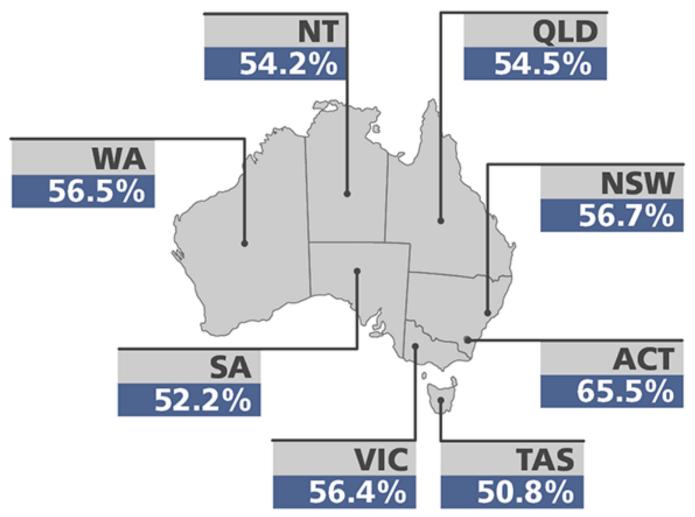
What we output

- Current education and attained qualifications coded to the Australian Standard Classification of Education, 2001 (ASCED, cat no. 1272.0)
- School and non-school qualifications combined to derive the Highest level of Educational Attainment as a single variable (HEAP)

Qualifications across Australia

Australian Bureau of Statistics

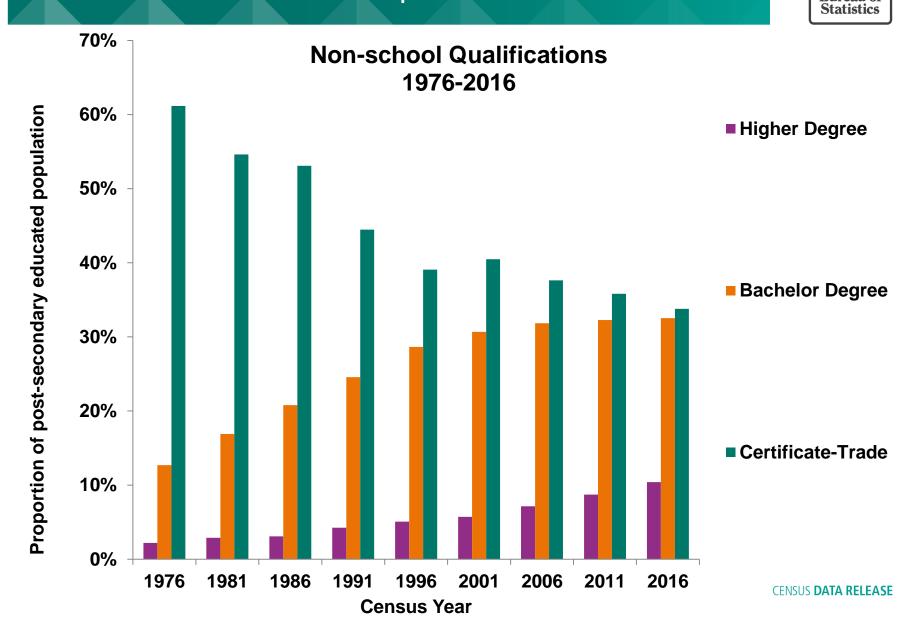
Proportion of people with a non-school qualification



CENSUS DATA RELEASE

Source: ABS, 2016 Census of Population and Housing

Attainment of non-school qualifications: 1976 - 2016

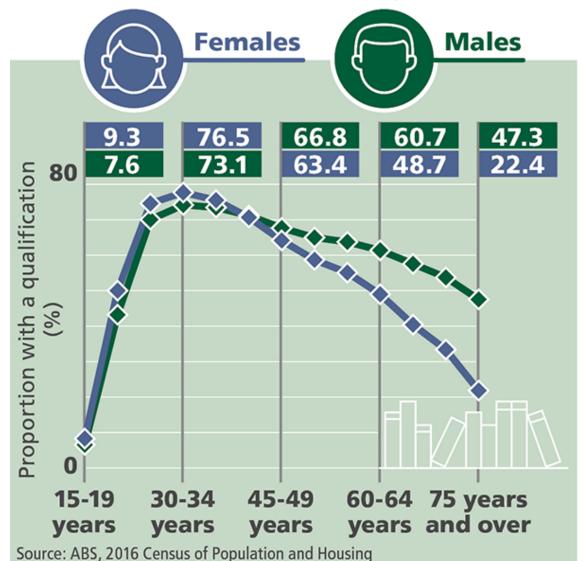


Australiar Bureau of

Qualifications by sex by age



Males and females with non-school qualifications



Top fields of study





Management and Commerce 2.1 Million Australians 22% of people with non-school qualifications

Engineering and Related Technologies 1.7 Million Australians 17% of people with non-school qualifications

Society and Culture 1.3 Million Australians 13% of people with non-school qualifications

Health

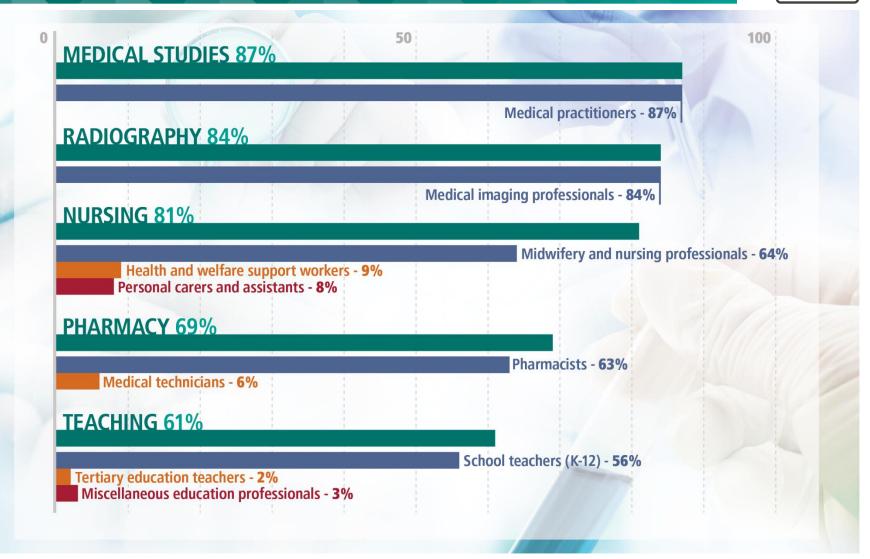
1 Million Australians 11% of people with non-school qualifications



Education 845,000 Australians 9% of people with non-school qualifications

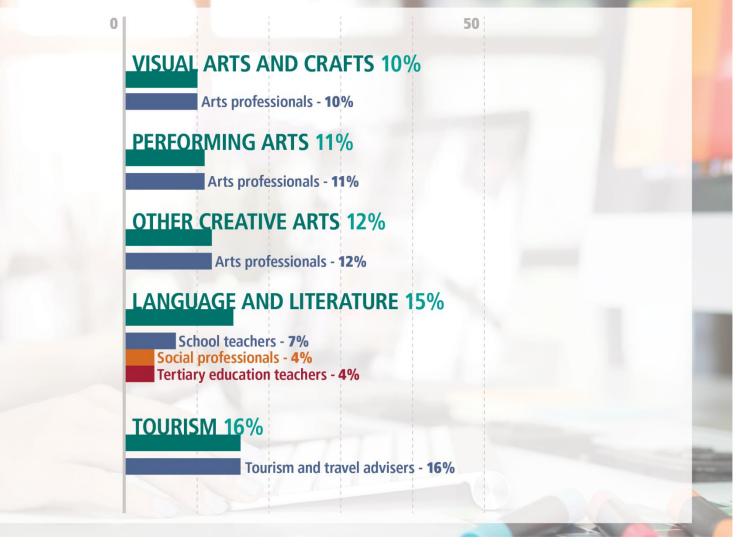
Turning qualifications into jobs





Qualifications with a diverse jobs outlook





Level of education, employment and income



Employment and income by qualification level – people aged 20-64 years

Level of qualification	Employed (%)	Personal income (median weekly)
Bachelor degree and above*	83.4 00000 00000	\$1,436
Advanced diploma and diploma level	79.6 00000 00000	\$1,083
Certificate level	79.9 00000 00000	\$1,017 (((() \$
No non-school qualifications	63.0 00000 00000	\$836 (\$

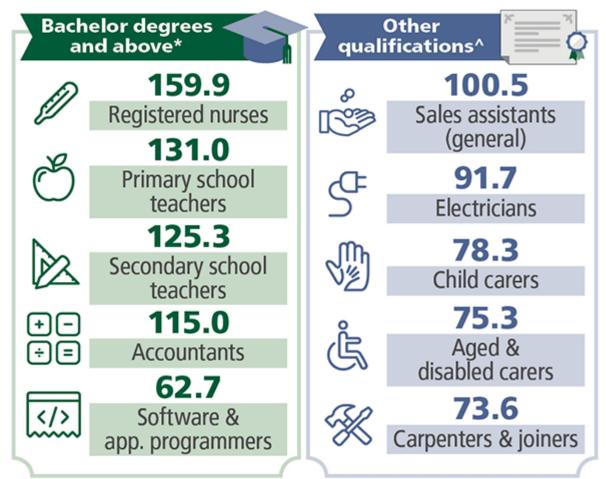
*Includes bachelor degrees, graduate certificates and graduate diplomas and postgraduate degrees.

Source: ABS, 2016 Census of Population and Housing

Top occupations by level of qualification



Top 5 Occupations (aged 20-64, count '000)



*Includes bachelor degrees, graduate certificates and graduate diplomas and postgraduate degrees.

Alncludes advanced diplomas, diplomas and certificate-level qualifications. Source: ABS, 2016 Census of Population and Housing

What should you study if you want to earn BIG \$\$?



Highest earning fields of study*				
	Earning >\$3,000/wk %	Employed %		
Anaesthesiology	60	76		
Surgery	58	74		
General Practice	56	89		
Obstetrics and Gynaecology	51	69		
Psychiatry	52	83		

Highest earning industries*		
	Median Weekly Income	
Oil and Gas Extraction	2,929	
Petroleum Exploration	2,875	
Iron Ore Mining	2,454	
Petroleum Refining and Petroleum Fuel Manufacturing	2,277	
Copper Ore Mining	2,268	

Top countries of birth for non-school qualifications

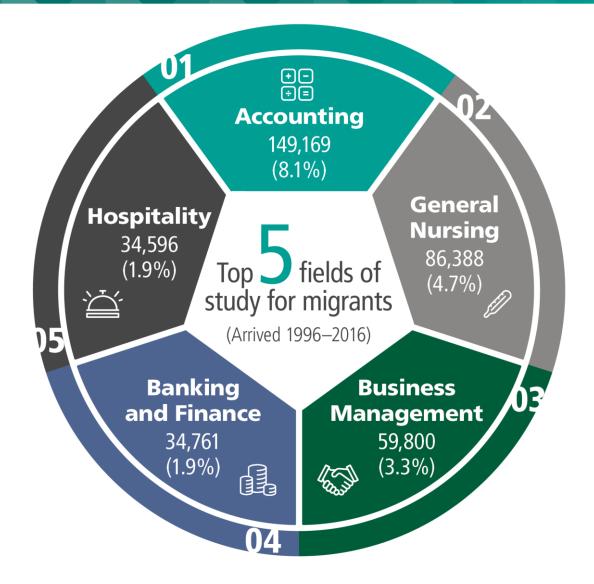


Proportion of people born in Australia and overseas with non-school qualifications					
Australian born		Overseas born			
54.2%		★ 59.8%			
Countries of birth* with highest proportion of people with qualifications					
Top Five		With non-school qualifications (%)			
1	India	79.3%			
2	Bangladesh	78.7%			
3	Brazil	77.5%			
4	Zimbabwe	77.2%			
5 🍁	Canada	76.3%			

*Countries are the 50 most common responses reported in the 2016 Census. Source: ABS, 2016 Census of Population and Housing

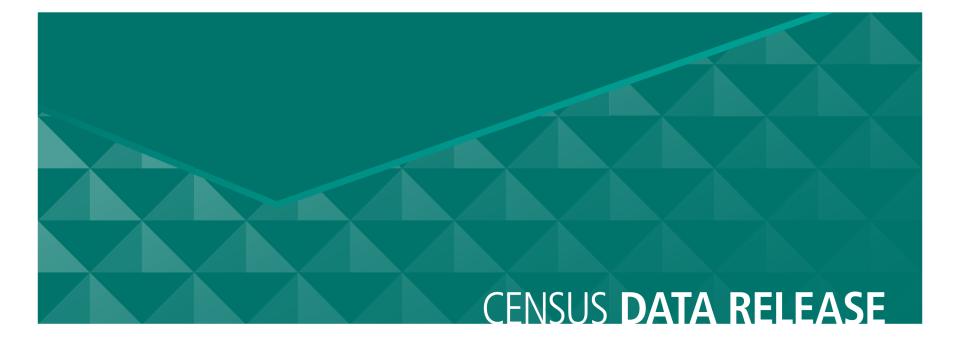
Top fields of study for migrants 1996-2016







Population mobility



Mobility: internal migration

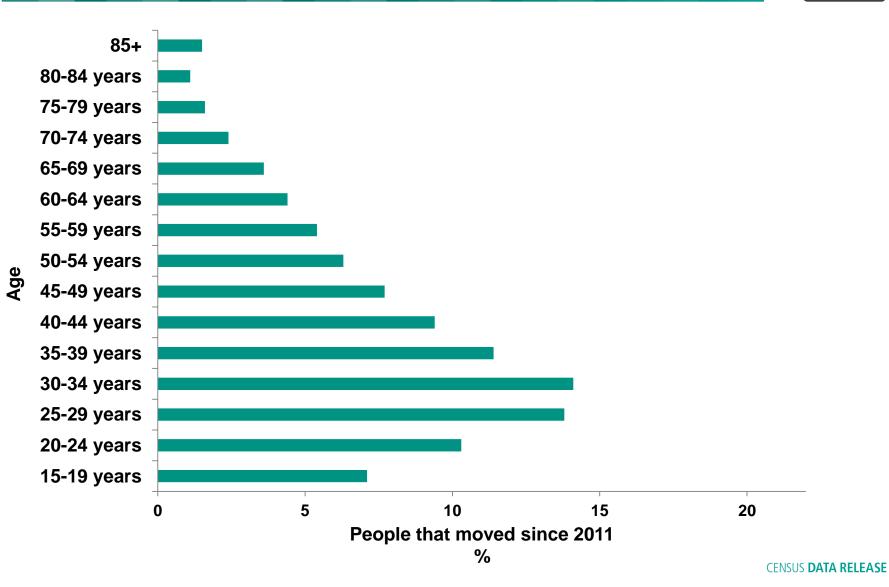


What we collected	What we output	
• Whether a respondent was at home on Census night	• Whether a respondent moved within the last year	
 If not: Usual address, on Census night 	• Whether a respondent moved within the last five years	
	Geographic classification	
 Usual address, one year ago 	based on place of usual residence one year ago	
 Usual address, five years ago 	Geographic classification	

based on place of usual residence five years ago

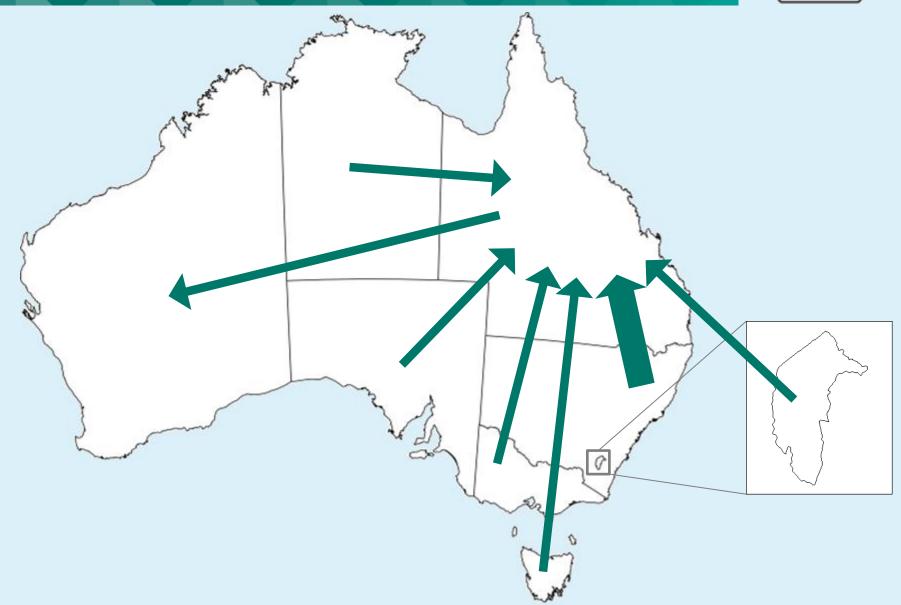
Mobility: who's moving?





Net internal migration since 2011: Qld





Occupation mobility



Most likely to move	% Moved since 2011	
Various Defence Force Positions	73.7 - 83.2	
Software Tester	68.7	
Web Developer	68.4	
Advertising Specialist	68.4	

Least likely to move	% Moved since 2011	
Selected Farmers and Growers	14.2 – 17.1	
Crossing Supervisor	22.1	
Sports Umpire	27.3	
Librarian	32.3	

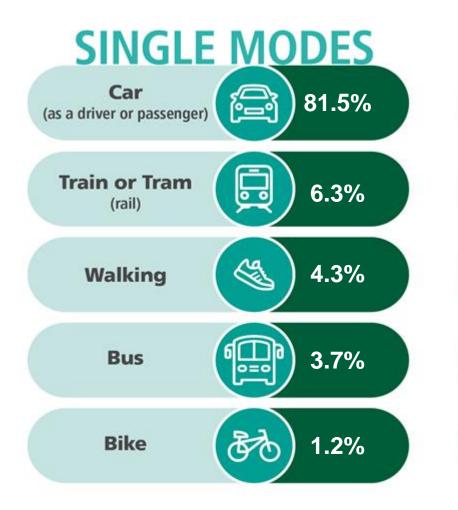
Mobility: Travel to work

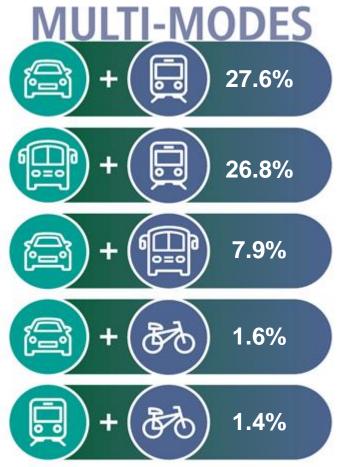


What we collected	What we output		
 Address of workplace Mode of transport to work up to 3 methods of travel used 	 2nd Release Method of travel to work is output as a combination of between one and three modes of Transport Working population Community Profile Method of travel to work data will be available in TableBuilder in November 	 Coming 2018 Location of Workplace/s coded to Geographical classification of 'Destination Zones' (DZN's) 'Journey to Work' Analytical articles Interactive maps TableBuilder 	

Method of travel to work









Accessing Census Data

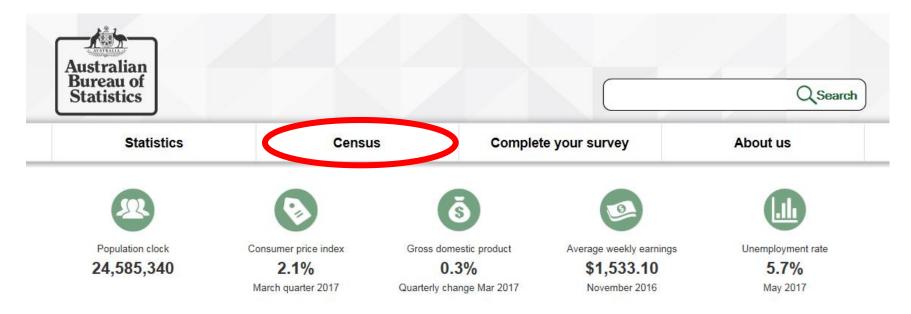
Accessing Census data





ABS website



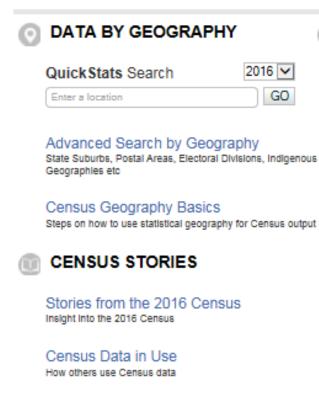




Accessing Census data



Census



DATA BY PRODUCTS

Which Census Product is Best for You? Comparison table of a selection of available products

QuickStats

Three search options providing summary Census data for a selected area

Community Profiles

Provides an Excel spread sheet of detailed Census data for a selected area

GeoPackages & DataPacks

Combines DataPacks with boundary data from the 2016 Australian Statistical Geography Standard

TableBuilder Enables you to create tables, graphs and maps of Census data

More Census Products

GeoPackages, DataPacks, Socio-Economic Indexes for Areas, Census Sample Files, Longitudinal Dataset, Mesh Block Counts

UNDERSTANDING THE CENSUS

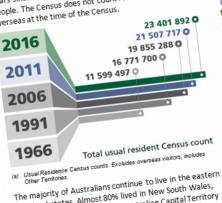
Understanding Census Data How we collect, store and quality assure your data

2016 Census Overview What happened, What's next

Privacy, Confidentiality & Security How we uphold our legal obligations

2016 Census Dictionary Glossary terms, Classifications

Historical Census Data 2011, 2006, 2001, 1996, 1991 and beyond



mainland states. Almost 80% lived in New South Wales,

NT 228 833

in 2016.

WA 2 474 410

SA 1 676 653

Victoria, Queensland and the Australian Capital Territory

QLD 4 703 193

NSW 7 480 228

ACT

397 397

TAS

509 965

VIC

5 926 624 (a) Usual Residence Census counts. Excludes overseas visitors

tralia, an increase of 8.8% since the 2011 Census. stralia's population has more than doubled in the 50 ars since the 1966 Census, which counted 11.6 million ople. The Census does not count Australians who were

nere Australians live 2016 Census counted 23.4 million people living in



than men in Australia. Women have

outnumber men since, making up 5

23 401 892

50.7%

Female

in 2016.

People

care mercaning of 1110 In 2016, more than two-thirds of all Austr capital city. The number of people living



2011

MEDIAN WEEKLY HOUSEHOLD INCOME

\$1 234 \$1 438

2016

2.2%

China

s SARS and Taiwan

Usual Residence Census counts. Excludes overseas visito Other Territories

Qð

The gap in median age between men and wome

lessened slightly in 2016. The median age of fer remained 38 years, while the median age of ma increased from 36 years in 2011 to 37 years in

The increase of median age reflects Australia's population. Median age of all Australians incre years, after remaining 37 years since the 2006

This is also highlighted by the increase in the $\ensuremath{\wpmu}$ of the population aged 65 years and over, fror 2011 to 16% in 2016. Of those aged 65 years a

54% were female. The proportion of the population that was fer increased in higher age ranges. Of those aged

31.0%

34.5%

30.9%

There has been a downward trend in the proportion of people identifying with Christianity in the last 10 years. There also does not an emergence in any particular Christian denomination in that time. However the case is different for the major non-Christian religio

Reflecting recent trends in migration, the proportion of people reporting a religion other than Christianity in the Census increased 2006 to 8.2% in 2016. Although the increase spreads across most non-Christian religions, it was mainly driven by Hinduism (0.7% 1.9% in 2016), Islam (1.7% to 2.6%) and Sikhism (0.1% to 0.5%). The increase in the proportion of Hinduism and Sikhism is as a re

AGE

% of the total population 3

increase in the number of migrants born in India. Islam, Buddhism, Hinduism & Sikhism as a proportion of the total population, 2006 to 2016

AUSTRALIA

cm

PEOPLE

50.7%

Female

23 401 892

93

3.9%

England

49.3%

1.9%

66.

India

and over, 63% were female.



AVERAGE PEOPLE PER DWELLING

DWELLING TENURE

Ś

Owned outright

Rented

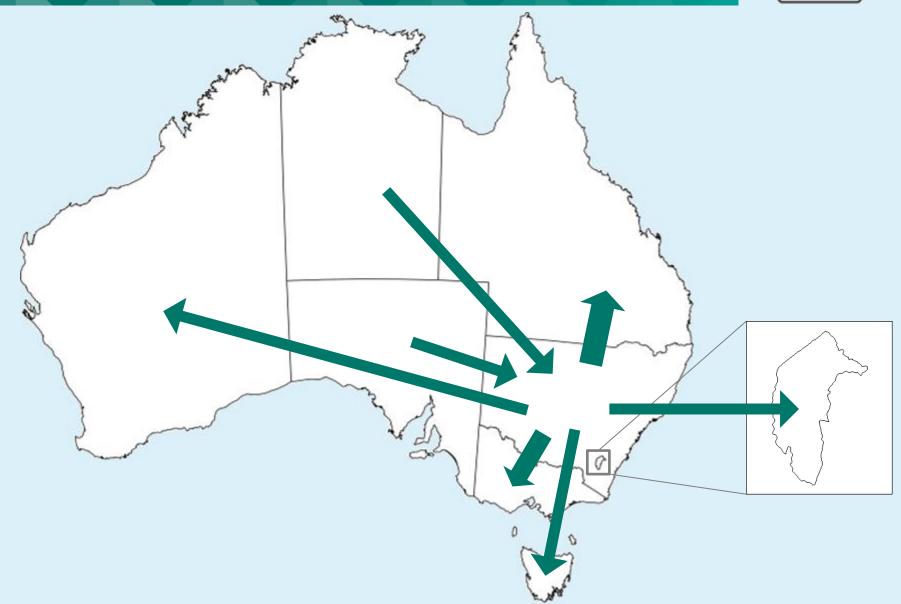


Questions?



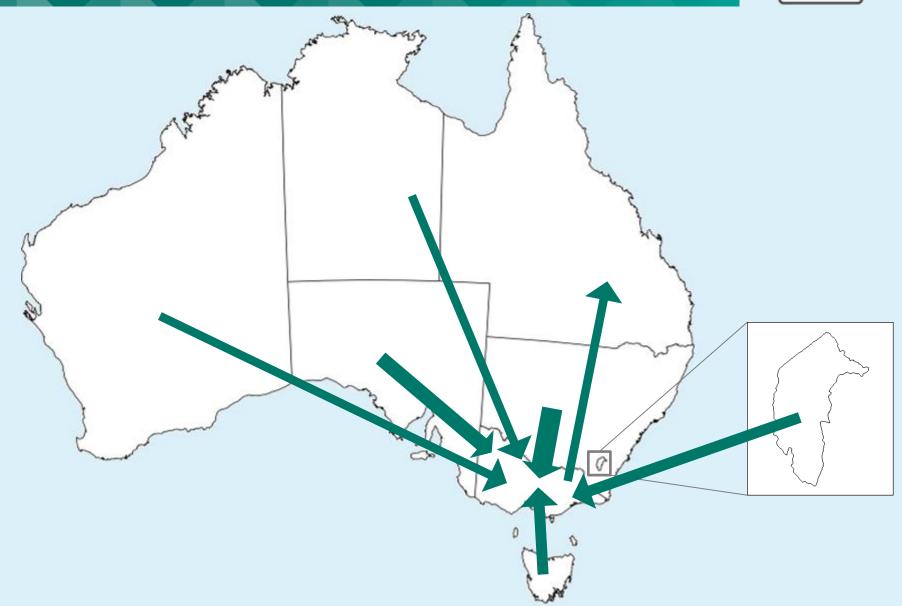
Net internal migration since 2011: NSW





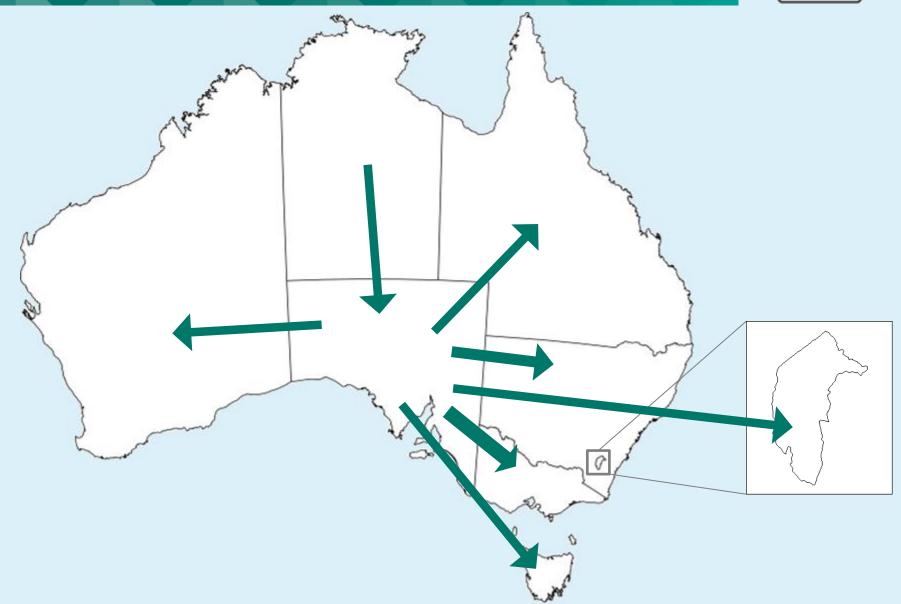
Net internal migration since 2011: Vic





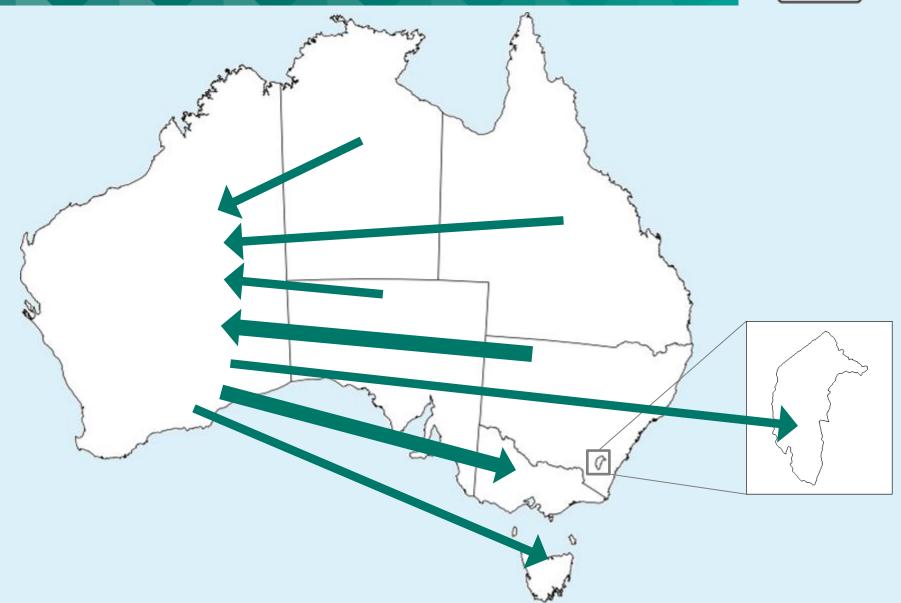
Net internal migration since 2011: SA





Net internal migration since 2011: WA





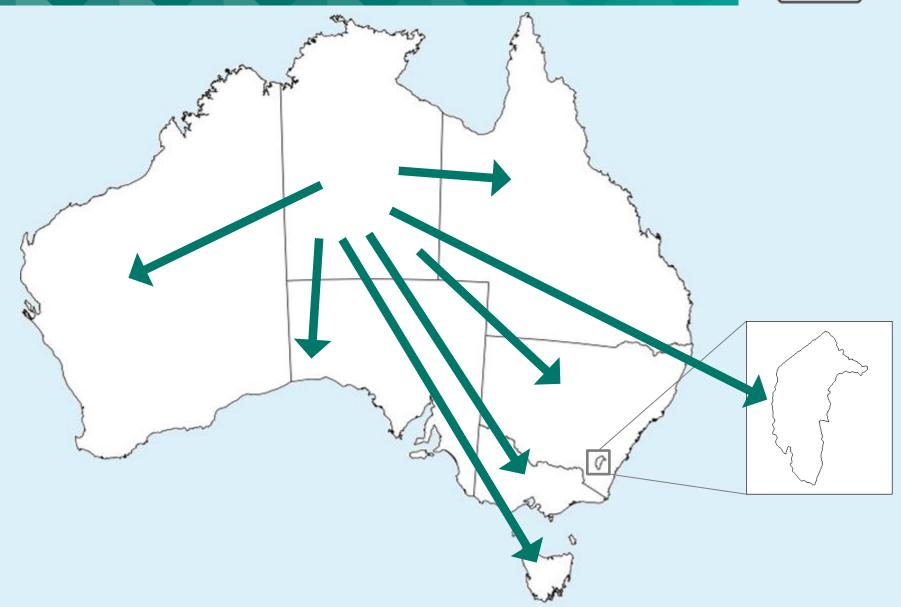
Net internal migration since 2011: Tas





Net internal migration since 2011: NT





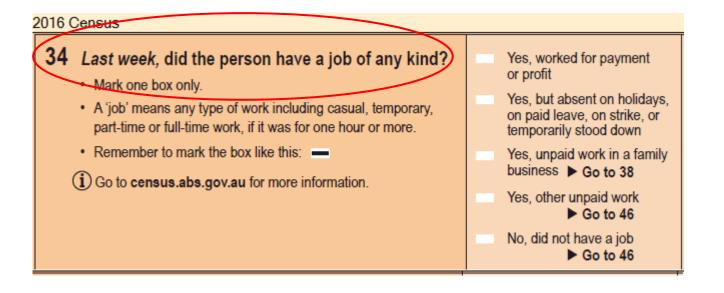
Net internal migration since 2011: ACT

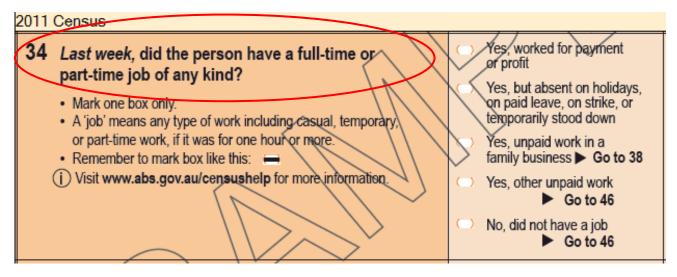






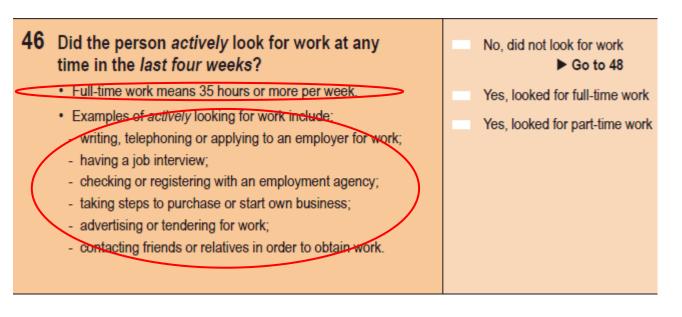
Appendix (a): Question changes 2016 vs 2011 Census

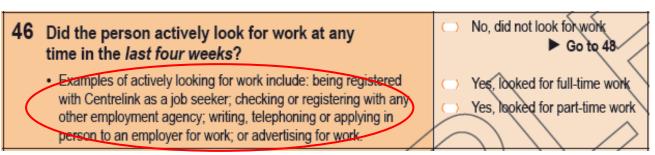






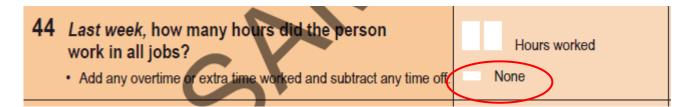
Appendix (b): Question changes 2016 vs 2011 Census

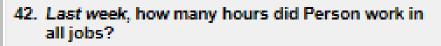




Appendix (c): Question differences 2016 paper vs eform







Add any overtime or extra time worked and subtract any time off.

Hore Information

Hours worked