

# Context 3: Industry and Innovation



The industries within a region provide the foundation of economic activity in the region. Businesses, operating across a range of industries, capitalise on a region's comparative and competitive advantage, generating income, providing jobs for locals and using the natural and human capital of the region.

In order to remain competitive, both domestically and internationally, and lay the foundations for future growth, all industries are dependent on a variety of forms of innovation, both on the levels of technological adaptation and process improvements. These different forms of innovation help to ensure that the needs of an industry can be met into the future, thereby strengthening its long term viability.

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## C 3.1 Industry

### C 3.1.1 Top employing industry

The industry that employs the most people in a region provides some useful context about the economic underpinnings of that region. Information is also presented on the contribution of that industry to the region's total employment, revealing whether that particular industry dominates local employment, or is just the largest industry of many operating in the region. This indicator is based on the place of usual residence of the employed person and not the location at which they work.

Table C 3.1.1.a Top employing industry by remoteness class

Remoteness Class	Top employing industry	Employment per cent
<b>2006</b>		
Major Cities	Retail Trade	11.4
Inner Regional	Retail Trade	12.5
Outer Regional	Agriculture, Forestry and Fishing	13.7
Remote	Agriculture, Forestry and Fishing	17.9
Very Remote	Public Administration and Safety	18.4
AUSTRALIA	Retail Trade	11.5
<b>2011</b>		
Major Cities	Health Care and Social Assistance	11.7
Inner Regional	Health Care and Social Assistance	12.6
Outer Regional	Agriculture, Forestry and Fishing	11.2
Remote	Agriculture, Forestry and Fishing	14.2
Very Remote	Mining	17.1
AUSTRALIA	Health Care and Social Assistance	11.7

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Calculation includes Inadequately Described responses.

Table C 3.1.1.b Top employing industry by major urban area

Major Urban Area	Top employing industry	Employment per cent
2006		
Greater Sydney	Retail Trade	10.7
Greater Melbourne	Manufacturing	13.1
Greater Brisbane	Retail Trade	11.3
Greater Perth	Retail Trade	11.5
Greater Adelaide	Health Care and Social Assistance	13.3
Gold Coast - Tweed Heads	Retail Trade	13.8
Newcastle - Maitland	Health Care and Social Assistance	13.4
Canberra - Queanbeyan	Public Administration and Safety	30.0
Sunshine Coast	Retail Trade	14.5
Wollongong	Manufacturing	12.6
Greater Hobart	Health Care and Social Assistance	12.5
Geelong	Manufacturing	15.3
Townsville	Public Administration and Safety	13.2
Cairns	Retail Trade	13.2
Greater Darwin	Public Administration and Safety	21.4
Toowoomba	Health Care and Social Assistance	13.2
Ballarat	Health Care and Social Assistance	14.4
Bendigo	Retail Trade	14.5
Albury - Wodonga	Manufacturing	14.8
Launceston	Retail Trade	13.5
2011		
Greater Sydney	Health Care and Social Assistance	11.0
Greater Melbourne	Health Care and Social Assistance	11.2
Greater Brisbane	Health Care and Social Assistance	12.5
Greater Perth	Health Care and Social Assistance	11.0
Greater Adelaide	Health Care and Social Assistance	14.3
Gold Coast - Tweed Heads	Retail Trade	12.6
Newcastle - Maitland	Health Care and Social Assistance	14.5
Canberra - Queanbeyan	Public Administration and Safety	32.6
Sunshine Coast	Health Care and Social Assistance	13.6
Wollongong	Health Care and Social Assistance	13.4
Greater Hobart	Health Care and Social Assistance	12.9
Geelong	Health Care and Social Assistance	13.7
Townsville	Health Care and Social Assistance	12.9
Cairns	Health Care and Social Assistance	13.1
Greater Darwin	Public Administration and Safety	21.8
Toowoomba	Health Care and Social Assistance	15.1
Ballarat	Health Care and Social Assistance	15.5
Bendigo	Health Care and Social Assistance	15.7
Albury - Wodonga	Health Care and Social Assistance	13.4
Launceston	Health Care and Social Assistance	13.0

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Calculation includes Inadequately Described responses.

Table C 3.1.1.c Top employing industry by sub-state region

Sub-State Region	Top employing industry	Employment per cent
2006		
New South Wales		
Greater Sydney	Retail Trade	10.7
Central Coast	Retail Trade	13.8
Sydney - Baulkham Hills and Hawkesbury	Retail Trade	11.4
Sydney - Blacktown	Manufacturing	15.0
Sydney - City and Inner South	Professional, Scientific and Technical Services	12.8
Sydney - Eastern Suburbs	Professional, Scientific and Technical Services	13.7
Sydney - Inner South West	Retail Trade	11.4
Sydney - Inner West	Professional, Scientific and Technical Services	11.7
Sydney - North Sydney and Hornsby	Professional, Scientific and Technical Services	16.9
Sydney - Northern Beaches	Professional, Scientific and Technical Services	12.2
Sydney - Outer South West	Manufacturing	14.6
Sydney - Outer West and Blue Mountains	Retail Trade	11.6
Sydney - Parramatta	Manufacturing	12.2
Sydney - Ryde	Professional, Scientific and Technical Services	12.3
Sydney - South West	Manufacturing	18.2
Sydney - Sutherland	Retail Trade	10.8
Rest of New South Wales	Retail Trade	12.5
Capital Region	Public Administration and Safety	12.6
Central West	Agriculture, Forestry and Fishing	12.5
Coffs Harbour - Grafton	Retail Trade	14.9
Far West and Orana	Agriculture, Forestry and Fishing	16.0
Hunter Valley exc Newcastle	Retail Trade	12.2
Illawarra	Manufacturing	12.4
Mid North Coast	Retail Trade	14.8
Murray	Agriculture, Forestry and Fishing	14.8
New England and North West	Agriculture, Forestry and Fishing	17.4
Newcastle and Lake Macquarie	Health Care and Social Assistance	14.1
Richmond - Tweed	Retail Trade	14.1
Riverina	Agriculture, Forestry and Fishing	13.7
Southern Highlands and Shoalhaven	Retail Trade	13.7
Victoria		
Greater Melbourne	Manufacturing	13.1
Melbourne - Inner	Professional, Scientific and Technical Services	14.5
Melbourne - Inner East	Professional, Scientific and Technical Services	12.7
Melbourne - Inner South	Professional, Scientific and Technical Services	11.8
Melbourne - North East	Manufacturing	13.5
Melbourne - North West	Manufacturing	15.0
Melbourne - Outer East	Manufacturing	14.3
Melbourne - South East	Manufacturing	19.2
Melbourne - West	Manufacturing	15.9
Mornington Peninsula	Manufacturing	14.2

(continued)

## Top employing industry by sub-state region (continued)

Sub-State Region	Top employing industry	Employment
		per cent
	2006	
<b>Rest of Victoria</b>	<b>Retail Trade</b>	<b>12.6</b>
Ballarat	Manufacturing	13.4
Bendigo	Retail Trade	13.2
Geelong	Manufacturing	13.9
Hume	Manufacturing	13.3
Latrobe - Gippsland	Retail Trade	12.7
North West	Agriculture, Forestry and Fishing	20.0
Shepparton	Manufacturing	14.7
Warrnambool and South West	Agriculture, Forestry and Fishing	17.7
<b>Queensland</b>		
<b>Greater Brisbane</b>	<b>Retail Trade</b>	<b>11.3</b>
Brisbane - East	Manufacturing	12.7
Brisbane - North	Health Care and Social Assistance	11.8
Brisbane - South	Health Care and Social Assistance	11.5
Brisbane - West	Education and Training	12.4
Brisbane Inner City	Professional, Scientific and Technical Services	13.6
Ipswich	Manufacturing	16.9
Logan - Beaudesert	Manufacturing	15.9
Moreton Bay - North	Retail Trade	13.0
Moreton Bay - South	Retail Trade	12.2
<b>Rest of Queensland</b>	<b>Retail Trade</b>	<b>12.3</b>
Cairns	Retail Trade	12.5
Darling Downs - Maranoa	Agriculture, Forestry and Fishing	24.2
Fitzroy	Manufacturing	10.8
Gold Coast	Retail Trade	13.6
Mackay	Mining	12.2
Queensland - Outback	Public Administration and Safety	18.1
<i>Far North</i>	Public Administration and Safety	34.4
<i>Outback - North</i>	Mining	20.5
<i>Outback - South</i>	Agriculture, Forestry and Fishing	29.3
Sunshine Coast	Retail Trade	14.2
Toowoomba	Health Care and Social Assistance	12.6
Townsville	Public Administration and Safety	11.3
Wide Bay	Retail Trade	13.0
<b>South Australia</b>		
<b>Greater Adelaide</b>	<b>Health Care and Social Assistance</b>	<b>13.3</b>
Adelaide - Central and Hills	Health Care and Social Assistance	14.6
Adelaide - North	Manufacturing	17.2
Adelaide - South	Health Care and Social Assistance	14.7
Adelaide - West	Manufacturing	13.9

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## Top employing industry by sub-state region (continued)

Sub-State Region	Top employing industry	Employment
		per cent
	2006	
<b>Rest of South Australia</b>	<b>Agriculture, Forestry and Fishing</b>	<b>17.3</b>
Barossa - Yorke - Mid North	Agriculture, Forestry and Fishing	18.1
South Australia - Outback	Agriculture, Forestry and Fishing	12.8
<i>Eyre Peninsula and South West</i>	Agriculture, Forestry and Fishing	16.7
<i>Outback - North and East</i>	Mining	13.7
South Australia - South East	Agriculture, Forestry and Fishing	19.1
<b>Western Australia</b>		
<b>Greater Perth</b>	<b>Retail Trade</b>	<b>11.5</b>
Mandurah	Construction	14.2
Perth - Inner	Professional, Scientific and Technical Services	14.3
Perth - North East	Retail Trade	11.8
Perth - North West	Retail Trade	11.9
Perth - South East	Retail Trade	11.6
Perth - South West	Manufacturing	12.0
<b>Rest of Western Australia</b>	<b>Agriculture, Forestry and Fishing</b>	<b>12.5</b>
Bunbury	Manufacturing	12.8
Western Australia - Outback	Mining	15.5
<i>Esperance</i>	Agriculture, Forestry and Fishing	20.2
<i>Gascoyne</i>	Agriculture, Forestry and Fishing	14.1
<i>Goldfields</i>	Mining	24.7
<i>Kimberley</i>	Health Care and Social Assistance	15.3
<i>Mid West</i>	Agriculture, Forestry and Fishing	12.8
<i>Pilbara</i>	Mining	30.1
Western Australia - Wheat Belt	Agriculture, Forestry and Fishing	26.2
<b>Tasmania</b>		
<b>Greater Hobart</b>	<b>Health Care and Social Assistance</b>	<b>12.5</b>
<b>Rest of Tasmania</b>	<b>Manufacturing</b>	<b>12.5</b>
Launceston and North East	Retail Trade	12.2
South East	Agriculture, Forestry and Fishing	18.9
West and North West	Manufacturing	14.6
<b>Northern Territory</b>		
<b>Greater Darwin</b>	<b>Public Administration and Safety</b>	<b>21.4</b>
Northern Territory - Outback	Public Administration and Safety	23.5
<i>Alice Springs</i>	Public Administration and Safety	18.6
<i>Barkly</i>	Public Administration and Safety	24.5
<i>Daly - Tiwi - West Arnhem</i>	Public Administration and Safety	29.6
<i>East Arnhem</i>	Public Administration and Safety	23.7
<i>Katherine</i>	Public Administration and Safety	31.4
<b>Australian Capital Territory</b>	<b>Public Administration and Safety</b>	<b>30.3</b>

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## Top employing industry by sub-state region (continued)

Sub-State Region	Top employing industry	Employment per cent
2011		
<b>New South Wales</b>		
<b>Greater Sydney</b>	<b>Health Care and Social Assistance</b>	<b>11.0</b>
Central Coast	Health Care and Social Assistance	14.4
Sydney - Baulkham Hills and Hawkesbury	Retail Trade	10.9
Sydney - Blacktown	Manufacturing	12.8
Sydney - City and Inner South	Professional, Scientific and Technical Services	14.6
Sydney - Eastern Suburbs	Professional, Scientific and Technical Services	15.1
Sydney - Inner South West	Retail Trade	10.8
Sydney - Inner West	Professional, Scientific and Technical Services	12.5
Sydney - North Sydney and Hornsby	Professional, Scientific and Technical Services	17.9
Sydney - Northern Beaches	Professional, Scientific and Technical Services	13.3
Sydney - Outer South West	Manufacturing	13.2
Sydney - Outer West and Blue Mountains	Health Care and Social Assistance	11.5
Sydney - Parramatta	Health Care and Social Assistance	11.5
Sydney - Ryde	Professional, Scientific and Technical Services	13.1
Sydney - South West	Manufacturing	16.0
Sydney - Sutherland	Health Care and Social Assistance	10.4
<b>Rest of New South Wales</b>	<b>Health Care and Social Assistance</b>	<b>13.1</b>
Capital Region	Public Administration and Safety	14.4
Central West	Health Care and Social Assistance	12.0
Coffs Harbour - Grafton	Health Care and Social Assistance	15.0
Far West and Orana	Agriculture, Forestry and Fishing	13.7
Hunter Valley exc Newcastle	Retail Trade	10.9
Illawarra	Health Care and Social Assistance	13.4
Mid North Coast	Health Care and Social Assistance	15.8
Murray	Health Care and Social Assistance	11.9
New England and North West	Agriculture, Forestry and Fishing	15.0
Newcastle and Lake Macquarie	Health Care and Social Assistance	15.3
Richmond - Tweed	Health Care and Social Assistance	15.2
Riverina	Agriculture, Forestry and Fishing	11.7
Southern Highlands and Shoalhaven	Health Care and Social Assistance	13.5
<b>Victoria</b>		
<b>Greater Melbourne</b>	<b>Health Care and Social Assistance</b>	<b>11.2</b>
Melbourne - Inner	Professional, Scientific and Technical Services	15.8
Melbourne - Inner East	Professional, Scientific and Technical Services	13.4
Melbourne - Inner South	Professional, Scientific and Technical Services	12.7
Melbourne - North East	Health Care and Social Assistance	12.5
Melbourne - North West	Manufacturing	12.1
Melbourne - Outer East	Manufacturing	12.3
Melbourne - South East	Manufacturing	16.3
Melbourne - West	Manufacturing	12.8
Mornington Peninsula	Construction	12.5

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## Top employing industry by sub-state region (continued)

<i>Sub-State Region</i>	<i>Top employing industry</i>	<i>Employment per cent</i>
	<i>2011</i>	
<b>Rest of Victoria</b>	<b>Health Care and Social Assistance</b>	<b>13.3</b>
Ballarat	Health Care and Social Assistance	14.5
Bendigo	Health Care and Social Assistance	14.6
Geelong	Health Care and Social Assistance	13.5
Hume	Health Care and Social Assistance	12.5
Latrobe - Gippsland	Health Care and Social Assistance	12.3
North West	Agriculture, Forestry and Fishing	16.8
Shepparton	Manufacturing	13.7
Warrnambool and South West	Agriculture, Forestry and Fishing	15.3
<b>Queensland</b>		
<b>Greater Brisbane</b>	<b>Health Care and Social Assistance</b>	<b>12.5</b>
Brisbane - East	Health Care and Social Assistance	11.7
Brisbane - North	Health Care and Social Assistance	13.8
Brisbane - South	Health Care and Social Assistance	13.4
Brisbane - West	Professional, Scientific and Technical Services	13.7
Brisbane Inner City	Professional, Scientific and Technical Services	15.6
Ipswich	Manufacturing	13.7
Logan - Beaudesert	Manufacturing	13.7
Moreton Bay - North	Health Care and Social Assistance	13.0
Moreton Bay - South	Health Care and Social Assistance	12.6
<b>Rest of Queensland</b>	<b>Health Care and Social Assistance</b>	<b>11.6</b>
Cairns	Health Care and Social Assistance	12.1
Darling Downs - Maranoa	Agriculture, Forestry and Fishing	20.5
Fitzroy	Construction	9.9
Gold Coast	Retail Trade	12.4
Mackay	Mining	14.6
Queensland - Outback	Agriculture, Forestry and Fishing	14.0
<i>Far North</i>	Public Administration and Safety	18.1
<i>Outback - North</i>	Mining	24.9
<i>Outback - South</i>	Agriculture, Forestry and Fishing	26.0
Sunshine Coast	Health Care and Social Assistance	13.5
Toowoomba	Health Care and Social Assistance	14.1
Townsville	Health Care and Social Assistance	12.2
Wide Bay	Health Care and Social Assistance	14.2
<b>South Australia</b>		
<b>Greater Adelaide</b>	<b>Health Care and Social Assistance</b>	<b>14.3</b>
Adelaide - Central and Hills	Health Care and Social Assistance	15.3
Adelaide - North	Manufacturing	14.0
Adelaide - South	Health Care and Social Assistance	15.8
Adelaide - West	Health Care and Social Assistance	13.3

(continued)



## Top employing industry by sub-state region (continued)

<i>Sub-State Region</i>	<i>Top employing industry</i>	<i>Employment per cent</i>
2011		
<b>Rest of South Australia</b>	<b>Agriculture, Forestry and Fishing</b>	<b>14.5</b>
Barossa - Yorke - Mid North	Agriculture, Forestry and Fishing	14.7
South Australia - Outback	Health Care and Social Assistance	11.6
<i>Eyre Peninsula and South West</i>	Agriculture, Forestry and Fishing	13.5
<i>Outback - North and East</i>	Mining	18.1
South Australia - South East	Agriculture, Forestry and Fishing	16.3
<b>Western Australia</b>		
<b>Greater Perth</b>	<b>Health Care and Social Assistance</b>	<b>11.0</b>
Mandurah	Construction	13.9
Perth - Inner	Professional, Scientific and Technical Services	15.9
Perth - North East	Retail Trade	10.9
Perth - North West	Construction	11.8
Perth - South East	Retail Trade	10.5
Perth - South West	Health Care and Social Assistance	11.3
<b>Rest of Western Australia</b>	<b>Mining</b>	<b>11.3</b>
Bunbury	Construction	12.9
Western Australia - Outback	Mining	19.9
<i>Esperance</i>	Agriculture, Forestry and Fishing	17.0
<i>Gascoyne</i>	Agriculture, Forestry and Fishing	10.9
<i>Goldfields</i>	Mining	26.4
<i>Kimberley</i>	Health Care and Social Assistance	12.9
<i>Mid West</i>	Construction	10.8
<i>Pilbara</i>	Mining	35.6
Western Australia - Wheat Belt	Agriculture, Forestry and Fishing	20.5
<b>Tasmania</b>		
<b>Greater Hobart</b>	<b>Health Care and Social Assistance</b>	<b>12.9</b>
<b>Rest of Tasmania</b>	<b>Health Care and Social Assistance</b>	<b>11.4</b>
Launceston and North East	Health Care and Social Assistance	12.0
South East	Agriculture, Forestry and Fishing	15.4
West and North West	Manufacturing	12.3
<b>Northern Territory</b>		
<b>Greater Darwin</b>	<b>Public Administration and Safety</b>	<b>21.8</b>
Northern Territory - Outback	Public Administration and Safety	20.4
<i>Alice Springs</i>	Public Administration and Safety	18.8
<i>Barkly</i>	Public Administration and Safety	26.2
<i>Daly - Tiwi - West Arnhem</i>	Public Administration and Safety	18.7
<i>East Arnhem</i>	Public Administration and Safety	14.7
<i>Katherine</i>	Public Administration and Safety	27.9
<b>Australian Capital Territory</b>	<b>Public Administration and Safety</b>	<b>33.0</b>

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Calculation includes Inadequately Described responses.

Table C 3.1.1.d Top employing industry by capital city/balance of state

<i>Capital City / Balance of State</i>	<i>Top employing industry</i>	<i>Employment per cent</i>
<b>2006</b>		
Greater Sydney	Retail Trade	10.7
Rest of New South Wales	Retail Trade	12.5
Greater Melbourne	Manufacturing	13.1
Rest of Victoria	Retail Trade	12.6
Greater Brisbane	Retail Trade	11.3
Rest of Queensland	Retail Trade	12.3
Greater Adelaide	Health Care and Social Assistance	13.3
Rest of South Australia	Agriculture, Forestry and Fishing	17.3
Greater Perth	Retail Trade	11.5
Rest of Western Australia	Agriculture, Forestry and Fishing	12.5
Greater Hobart	Health Care and Social Assistance	12.5
Rest of Tasmania	Manufacturing	12.5
Greater Darwin	Public Administration and Safety	21.4
Rest of Northern Territory	Public Administration and Safety	23.5
Australian Capital Territory	Public Administration and Safety	30.3
<b>2011</b>		
Greater Sydney	Health Care and Social Assistance	11.0
Rest of New South Wales	Health Care and Social Assistance	13.1
Greater Melbourne	Health Care and Social Assistance	11.2
Rest of Victoria	Health Care and Social Assistance	13.3
Greater Brisbane	Health Care and Social Assistance	12.5
Rest of Queensland	Health Care and Social Assistance	11.6
Greater Adelaide	Health Care and Social Assistance	14.3
Rest of South Australia	Agriculture, Forestry and Fishing	14.5
Greater Perth	Health Care and Social Assistance	11.0
Rest of Western Australia	Mining	11.3
Greater Hobart	Health Care and Social Assistance	12.9
Rest of Tasmania	Health Care and Social Assistance	11.4
Greater Darwin	Public Administration and Safety	21.8
Rest of Northern Territory	Public Administration and Safety	20.4
Australian Capital Territory	Public Administration and Safety	33.0

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Calculation includes Inadequately Described responses.

## C 3.1.2 Main growth and decline industries

The industry sector that accounts for the largest increase (or decrease) in employed persons in a region provides useful context about the recent drivers of economic growth in the region. This is a very high level summary of changes in the industry base of the regions and how these changes are distributed across the 19 broad industry sectors.<sup>71</sup> This indicator is based on the place of usual residence of the employed person and not the location at which they work.

Table C 3.1.2.a Main growth and decline industries by remoteness class

Remoteness Class	2006-2011	2006-2011
	industry	change persons
<b>Growth</b>		
Major Cities	Health Care and Social Assistance	155,323
Inner Regional	Health Care and Social Assistance	39,691
Outer Regional	Health Care and Social Assistance	15,641
Remote	Mining	4,070
Very Remote	Mining	7,108
AUSTRALIA	Health Care and Social Assistance	211,416
<b>Decline</b>		
Major Cities	Manufacturing	-38,691
Inner Regional	Agriculture, Forestry and Fishing	-13,134
Outer Regional	Agriculture, Forestry and Fishing	-14,974
Remote	Agriculture, Forestry and Fishing	-3,156
Very Remote	Public Administration and Safety	-3,286
AUSTRALIA	Manufacturing	-48,935

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

<sup>71</sup> ABS, Australian and New Zealand Standard Industrial Classification, (ANZSIC), 2006 (Revision 2.0) (cat. no. 1292.0)

Table C 3.1.2.b Main growth and decline industries by major urban area

Major Urban Area	2006–2011 industry	2006–2011 change persons
<b>Growth</b>		
Greater Sydney	Health Care and Social Assistance	35,723
Greater Melbourne	Health Care and Social Assistance	42,032
Greater Brisbane	Health Care and Social Assistance	28,376
Greater Perth	Construction	19,411
Greater Adelaide	Health Care and Social Assistance	11,351
Gold Coast - Tweed Heads	Health Care and Social Assistance	8,434
Newcastle - Maitland	Health Care and Social Assistance	4,550
Canberra - Queanbeyan	Public Administration and Safety	12,171
Sunshine Coast	Health Care and Social Assistance	4,350
Wollongong	Health Care and Social Assistance	2,999
Greater Hobart	Education and Training	1,425
Geelong	Health Care and Social Assistance	2,399
Townsville	Health Care and Social Assistance	2,483
Cairns	Health Care and Social Assistance	2,654
Greater Darwin	Public Administration and Safety	2,114
Toowoomba	Health Care and Social Assistance	1,167
Ballarat	Health Care and Social Assistance	1,174
Bendigo	Health Care and Social Assistance	1,270
Albury - Wodonga	Health Care and Social Assistance	1,057
Launceston	Education and Training	495
<b>Decline</b>		
Greater Sydney	Manufacturing	-9,173
Greater Melbourne	Manufacturing	-12,085
Greater Brisbane	Manufacturing	-6,162
Greater Perth	Information Media and Telecommunications	-686
Greater Adelaide	Manufacturing	-9,100
Gold Coast - Tweed Heads	Manufacturing	-911
Newcastle - Maitland	Agriculture, Forestry and Fishing	-295
Canberra - Queanbeyan	Manufacturing	-813
Sunshine Coast	Agriculture, Forestry and Fishing	-401
Wollongong	Manufacturing	-1,721
Greater Hobart	Manufacturing	-1,055
Geelong	Manufacturing	-1,404
Townsville	Information Media and Telecommunications	-70
Cairns	Construction	-257
Greater Darwin	Information Media and Telecommunications	-134
Toowoomba	Manufacturing	-998
Ballarat	Manufacturing	-238
Bendigo	Information Media and Telecommunications	-370
Albury - Wodonga	Manufacturing	-394
Launceston	Wholesale Trade	-189

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Table C 3.1.2.c Main growth and decline industries by sub-state region

Sub-State Region	2006–2011 industry	2006–2011 change persons
Growth		
<b>New South Wales</b>		
<b>Greater Sydney</b>	<b>Health Care and Social Assistance</b>	<b>35,723</b>
Central Coast	Health Care and Social Assistance	3,071
Sydney - Baulkham Hills and Hawkesbury	Health Care and Social Assistance	1,355
Sydney - Blacktown	Health Care and Social Assistance	3,686
Sydney - City and Inner South	Professional, Scientific and Technical Services	5,669
Sydney - Eastern Suburbs	Professional, Scientific and Technical Services	3,054
Sydney - Inner South West	Health Care and Social Assistance	4,275
Sydney - Inner West	Professional, Scientific and Technical Services	2,564
Sydney - North Sydney and Hornsby	Professional, Scientific and Technical Services	3,703
Sydney - Northern Beaches	Professional, Scientific and Technical Services	2,118
Sydney - Outer South West	Health Care and Social Assistance	2,311
Sydney - Outer West and Blue Mountains	Health Care and Social Assistance	1,916
Sydney - Parramatta	Health Care and Social Assistance	3,991
Sydney - Ryde	Professional, Scientific and Technical Services	1,216
Sydney - South West	Health Care and Social Assistance	2,747
Sydney - Sutherland	Health Care and Social Assistance	1,322
<b>Rest of New South Wales</b>	<b>Health Care and Social Assistance</b>	<b>23,877</b>
Capital Region	Public Administration and Safety	2,502
Central West	Mining	2,066
Coffs Harbour - Grafton	Health Care and Social Assistance	1,550
Far West and Orana	Health Care and Social Assistance	741
Hunter Valley exc Newcastle	Mining	3,185
Illawarra	Health Care and Social Assistance	3,031
Mid North Coast	Health Care and Social Assistance	2,249
Murray	Health Care and Social Assistance	933
New England and North West	Health Care and Social Assistance	1,335
Newcastle and Lake Macquarie	Health Care and Social Assistance	3,931
Richmond - Tweed	Health Care and Social Assistance	2,551
Riverina	Health Care and Social Assistance	1,075
Southern Highlands and Shoalhaven	Health Care and Social Assistance	1,390
<b>Victoria</b>		
<b>Greater Melbourne</b>	<b>Health Care and Social Assistance</b>	<b>42,032</b>
Melbourne - Inner	Professional, Scientific and Technical Services	8,976
Melbourne - Inner East	Health Care and Social Assistance	2,214
Melbourne - Inner South	Professional, Scientific and Technical Services	3,496
Melbourne - North East	Health Care and Social Assistance	5,314
Melbourne - North West	Construction	3,284
Melbourne - Outer East	Health Care and Social Assistance	3,973
Melbourne - South East	Health Care and Social Assistance	7,911
Melbourne - West	Health Care and Social Assistance	8,066
Mornington Peninsula	Construction	2,789

(continued)

## Main growth and decline industries by sub-state region (continued)

<i>Sub-State Region</i>	<i>2006–2011 industry</i>	<i>2006–2011 change persons</i>
<i>Growth</i>		
<b>Rest of Victoria</b>	<b>Health Care and Social Assistance</b>	<b>13,914</b>
Ballarat	Health Care and Social Assistance	1,731
Bendigo	Health Care and Social Assistance	1,770
Geelong	Health Care and Social Assistance	3,457
Hume	Health Care and Social Assistance	1,417
Latrobe - Gippsland	Health Care and Social Assistance	2,258
North West	Health Care and Social Assistance	1,041
Shepparton	Health Care and Social Assistance	1,201
Warrnambool and South West	Health Care and Social Assistance	1,040
<b>Queensland</b>		
<b>Greater Brisbane</b>	<b>Health Care and Social Assistance</b>	<b>28,376</b>
Brisbane - East	Health Care and Social Assistance	2,751
Brisbane - North	Health Care and Social Assistance	3,249
Brisbane - South	Health Care and Social Assistance	4,722
Brisbane - West	Professional, Scientific and Technical Services	1,780
Brisbane Inner City	Professional, Scientific and Technical Services	4,575
Ipswich	Health Care and Social Assistance	3,256
Logan - Beaudesert	Health Care and Social Assistance	3,442
Moreton Bay - North	Health Care and Social Assistance	3,101
Moreton Bay - South	Health Care and Social Assistance	3,036
<b>Rest of Queensland</b>	<b>Health Care and Social Assistance</b>	<b>28,083</b>
Cairns	Health Care and Social Assistance	3,410
Darling Downs - Maranoa	Mining	1,088
Fitzroy	Mining	2,688
Gold Coast	Health Care and Social Assistance	7,570
Mackay	Mining	3,512
Queensland - Outback	Mining	1,575
<i>Far North</i>	Other Services	593
<i>Outback - North</i>	Mining	934
<i>Outback - South</i>	Construction	318
Sunshine Coast	Health Care and Social Assistance	4,815
Toowoomba	Health Care and Social Assistance	1,562
Townsville	Health Care and Social Assistance	2,769
Wide Bay	Health Care and Social Assistance	3,526
<b>South Australia</b>		
<b>Greater Adelaide</b>	<b>Health Care and Social Assistance</b>	<b>11,351</b>
Adelaide - Central and Hills	Health Care and Social Assistance	2,027
Adelaide - North	Health Care and Social Assistance	3,602
Adelaide - South	Health Care and Social Assistance	3,384
Adelaide - West	Health Care and Social Assistance	2,337

(continued)

## Main growth and decline industries by sub-state region (continued)

<i>Sub-State Region</i>	<i>2006-2011 industry</i>	<i>2006-2011 change persons</i>
<i>Growth</i>		
<b>Rest of South Australia</b>	<b>Health Care and Social Assistance</b>	<b>2,872</b>
Barossa - Yorke - Mid North	Health Care and Social Assistance	751
South Australia - Outback	Mining	1,156
<i>Eyre Peninsula and South West</i>	Mining	450
<i>Outback - North and East</i>	Mining	706
South Australia - South East	Health Care and Social Assistance	1,729
<b>Western Australia</b>		
<b>Greater Perth</b>	<b>Construction</b>	<b>19,411</b>
Mandurah	Construction	1,024
Perth - Inner	Professional, Scientific and Technical Services	2,941
Perth - North East	Construction	2,170
Perth - North West	Construction	6,210
Perth - South East	Professional, Scientific and Technical Services	4,415
Perth - South West	Construction	4,525
<b>Rest of Western Australia</b>	<b>Mining</b>	<b>9,934</b>
Bunbury	Construction	1,762
Western Australia - Outback	Mining	7,817
<i>Esperance</i>	Mining	220
<i>Gascoyne</i>	Construction	131
<i>Goldfields</i>	Mining	984
<i>Kimberley</i>	Education and Training	583
<i>Mid West</i>	Construction	820
<i>Pilbara</i>	Mining	5,624
Western Australia - Wheat Belt	Mining	1,156
<b>Tasmania</b>		
<b>Greater Hobart</b>	<b>Education and Training</b>	<b>1,425</b>
<b>Rest of Tasmania</b>	<b>Construction</b>	<b>1,545</b>
Launceston and North East	Construction	652
South East	Health Care and Social Assistance	292
West and North West	Mining	658
<b>Northern Territory</b>		
<b>Greater Darwin</b>	<b>Public Administration and Safety</b>	<b>2,114</b>
Northern Territory - Outback	Other Services	1,234
<i>Alice Springs</i>	Health Care and Social Assistance	302
<i>Barkly</i>	Education and Training	82
<i>Daly - Tiwi - West Arnhem</i>	Other Services	552
<i>East Arnhem</i>	Other Services	411
<i>Katherine</i>	Other Services	221
<b>Australian Capital Territory</b>	<b>Public Administration and Safety</b>	<b>11,091</b>

(continued)

## Main growth and decline industries by sub-state region (continued)

Sub-State Region	2006-2011 industry	2006-2011 change persons
<i>Decline</i>		
<b>New South Wales</b>		
<b>Greater Sydney</b>	<b>Manufacturing</b>	<b>-9,173</b>
Central Coast	Rental, Hiring and Real Estate Services	-231
Sydney - Baulkham Hills and Hawkesbury	Manufacturing	-405
Sydney - Blacktown	Manufacturing	-415
Sydney - City and Inner South	Manufacturing	-183
Sydney - Eastern Suburbs	Retail Trade	-231
Sydney - Inner South West	Manufacturing	-2,012
Sydney - Inner West	Manufacturing	-268
Sydney - North Sydney and Hornsby	Retail Trade	-1,064
Sydney - Northern Beaches	Manufacturing	-713
Sydney - Outer South West	Manufacturing	-310
Sydney - Outer West and Blue Mountains	Manufacturing	-1,070
Sydney - Parramatta	Manufacturing	-405
Sydney - Ryde	Retail Trade	-363
Sydney - South West	Manufacturing	-1,208
Sydney - Sutherland	Manufacturing	-1,240
<b>Rest of New South Wales</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-9,600</b>
Capital Region	Agriculture, Forestry and Fishing	-851
Central West	Agriculture, Forestry and Fishing	-1,400
Coffs Harbour - Grafton	Agriculture, Forestry and Fishing	-310
Far West and Orana	Agriculture, Forestry and Fishing	-906
Hunter Valley exc Newcastle	Agriculture, Forestry and Fishing	-637
Illawarra	Manufacturing	-1,851
Mid North Coast	Agriculture, Forestry and Fishing	-510
Murray	Agriculture, Forestry and Fishing	-1,591
New England and North West	Agriculture, Forestry and Fishing	-1,293
Newcastle and Lake Macquarie	Wholesale Trade	-188
Richmond - Tweed	Agriculture, Forestry and Fishing	-816
Riverina	Agriculture, Forestry and Fishing	-1,093
Southern Highlands and Shoalhaven	Agriculture, Forestry and Fishing	-117
<b>Victoria</b>		
<b>Greater Melbourne</b>	<b>Manufacturing</b>	<b>-12,085</b>
Melbourne - Inner	Manufacturing	-765
Melbourne - Inner East	Manufacturing	-1,428
Melbourne - Inner South	Manufacturing	-1,721
Melbourne - North East	Manufacturing	-1,696
Melbourne - North West	Manufacturing	-1,474
Melbourne - Outer East	Manufacturing	-3,390
Melbourne - South East	Manufacturing	-1,105
Melbourne - West <sup>a</sup>	none	none
Mornington Peninsula	Manufacturing	-910

(continued)



## Main growth and decline industries by sub-state region (continued)

<i>Sub-State Region</i>	<i>2006-2011 industry</i>	<i>2006-2011 change persons</i>
<i>Decline</i>		
<b>Rest of Victoria</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-7,159</b>
Ballarat	Manufacturing	-635
Bendigo	Information Media and Telecommunications	-382
Geelong	Manufacturing	-1,491
Hume	Manufacturing	-872
Latrobe - Gippsland	Agriculture, Forestry and Fishing	-1,026
North West	Agriculture, Forestry and Fishing	-2,196
Shepparton	Agriculture, Forestry and Fishing	-1,475
Warrnambool and South West	Agriculture, Forestry and Fishing	-1,027
<b>Queensland</b>		
<b>Greater Brisbane</b>	<b>Manufacturing</b>	<b>-6,162</b>
Brisbane - East	Manufacturing	-515
Brisbane - North	Manufacturing	-755
Brisbane - South	Manufacturing	-1,237
Brisbane - West	Manufacturing	-948
Brisbane Inner City	Manufacturing	-876
Ipswich	Manufacturing	-826
Logan - Beaudesert	Manufacturing	-971
Moreton Bay - North	Agriculture, Forestry and Fishing	-291
Moreton Bay - South	Information Media and Telecommunications	-185
<b>Rest of Queensland</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-5,985</b>
Cairns	Manufacturing	-391
Darling Downs - Maranoa	Agriculture, Forestry and Fishing	-1,309
Fitzroy	Agriculture, Forestry and Fishing	-580
Gold Coast	Manufacturing	-888
Mackay	Agriculture, Forestry and Fishing	-772
Queensland - Outback	Public Administration and Safety	-2,037
<i>Far North</i>	Public Administration and Safety	-1,913
<i>Outback - North</i>	Agriculture, Forestry and Fishing	-112
<i>Outback - South</i>	Agriculture, Forestry and Fishing	-250
Sunshine Coast	Agriculture, Forestry and Fishing	-649
Toowoomba	Manufacturing	-954
Townsville	Agriculture, Forestry and Fishing	-448
Wide Bay	Agriculture, Forestry and Fishing	-1,359
<b>South Australia</b>		
<b>Greater Adelaide</b>	<b>Manufacturing</b>	<b>-9,100</b>
Adelaide - Central and Hills	Manufacturing	-1,146
Adelaide - North	Manufacturing	-3,082
Adelaide - South	Manufacturing	-3,594
Adelaide - West	Manufacturing	-1,279

(continued)

## Main growth and decline industries by sub-state region (continued)

Sub-State Region	2006–2011 industry	2006–2011 change persons
	<i>Decline</i>	
<b>Rest of South Australia</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-3,195</b>
Barossa - Yorke - Mid North	Agriculture, Forestry and Fishing	-989
South Australia - Outback	Agriculture, Forestry and Fishing	-551
Eyre Peninsula and South West	Agriculture, Forestry and Fishing	-564
Outback - North and East	Public Administration and Safety	-163
South Australia - South East	Agriculture, Forestry and Fishing	-1,655
<b>Western Australia</b>		
<b>Greater Perth</b>	<b>Information Media and Telecommunications</b>	<b>-686</b>
Mandurah	Agriculture, Forestry and Fishing	-34
Perth - Inner	Wholesale Trade	-64
Perth - North East	Information Media and Telecommunications	-208
Perth - North West	Information Media and Telecommunications	-304
Perth - South East	Information Media and Telecommunications	-250
Perth - South West	Agriculture, Forestry and Fishing	-85
<b>Rest of Western Australia</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-4,195</b>
Bunbury	Agriculture, Forestry and Fishing	-767
Western Australia - Outback	Agriculture, Forestry and Fishing	-893
Esperance	Agriculture, Forestry and Fishing	-192
Gascoyne	Agriculture, Forestry and Fishing	-126
Goldfields	Health Care and Social Assistance	-113
Kimberley	Public Administration and Safety	-432
Mid West	Agriculture, Forestry and Fishing	-528
Pilbara	Agriculture, Forestry and Fishing	-5
Western Australia - Wheat Belt	Agriculture, Forestry and Fishing	-2,536
<b>Tasmania</b>		
<b>Greater Hobart</b>	<b>Manufacturing</b>	<b>-1,055</b>
<b>Rest of Tasmania</b>	<b>Agriculture, Forestry and Fishing</b>	<b>-1,351</b>
Launceston and North East	Agriculture, Forestry and Fishing	-599
South East	Agriculture, Forestry and Fishing	-314
West and North West	Manufacturing	-731
<b>Northern Territory</b>		
<b>Greater Darwin</b>	<b>Information Media and Telecommunications</b>	<b>-134</b>
Northern Territory - Outback	Public Administration and Safety	-402
Alice Springs	Accommodation and Food Services	-190
Barkly	Agriculture, Forestry and Fishing	-64
Daly - Tiwi - West Arnhem	Public Administration and Safety	-240
East Arnhem	Public Administration and Safety	-366
Katherine	Health Care and Social Assistance	-100
<b>Australian Capital Territory</b>	<b>Manufacturing</b>	<b>-667</b>

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

a) No industries within this region declined. The smallest increase was in Agriculture, Forestry and Fishing, an increase of 154 people.

Table C 3.1.2.d Main growth and decline industries by capital city/balance of state

<i>Capital City / Balance of State</i>	<i>2006–2011 industry</i>	<i>2006–2011 change persons</i>
<i>Growth</i>		
Greater Sydney	Health Care and Social Assistance	35,723
Rest of New South Wales	Health Care and Social Assistance	23,877
Greater Melbourne	Health Care and Social Assistance	42,032
Rest of Victoria	Health Care and Social Assistance	13,914
Greater Brisbane	Health Care and Social Assistance	28,376
Rest of Queensland	Health Care and Social Assistance	28,083
Greater Adelaide	Health Care and Social Assistance	11,351
Rest of South Australia	Health Care and Social Assistance	2,872
Greater Perth	Construction	19,411
Rest of Western Australia	Mining	9,934
Greater Hobart	Education and Training	1,425
Rest of Tasmania	Construction	1,545
Greater Darwin	Public Administration and Safety	2,114
Rest of Northern Territory	Other Services	1,234
Australian Capital Territory	Public Administration and Safety	11,091
<i>Decline</i>		
Greater Sydney	Manufacturing	-9,173
Rest of New South Wales	Agriculture, Forestry and Fishing	-9,600
Greater Melbourne	Manufacturing	-12,085
Rest of Victoria	Agriculture, Forestry and Fishing	-7,159
Greater Brisbane	Manufacturing	-6,162
Rest of Queensland	Agriculture, Forestry and Fishing	-5,985
Greater Adelaide	Manufacturing	-9,100
Rest of South Australia	Agriculture, Forestry and Fishing	-3,195
Greater Perth	Information Media and Telecommunications	-686
Rest of Western Australia	Agriculture, Forestry and Fishing	-4,195
Greater Hobart	Manufacturing	-1,055
Rest of Tasmania	Agriculture, Forestry and Fishing	-1,351
Greater Darwin	Information Media and Telecommunications	-134
Rest of Northern Territory	Public Administration and Safety	-402
Australian Capital Territory	Manufacturing	-667

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

### C 3.1.3 Structural change index

The Structural Change Index is a measure of the extent of structural change occurring in a region, based on the change in the industry mix of employment between two points in time. The index can be thought of as the total number of percentage points of economic activity that has moved between industries within a given time period.<sup>72</sup> Relatively high index values will be evident for regions that are going through a very pronounced phase of industry transition, irrespective of whether that transition relates to major industry decline or growth.

The index provides useful contextual information on the extent to which a region's economy is impacted by a changing industry base. This indicator is based on the place of usual residence of the employed person and not the location at which they work.

*Table C 3.1.3.a Structural change index by remoteness class*

<b>Remoteness Class</b>	<b>2006–2011</b>
	<i>index</i>
Major Cities	3.6
Inner Regional	4.1
Outer Regional	4.3
Remote	6.2
Very Remote	15.5
AUSTRALIA	3.8

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Structural change index based on methodology used in Productivity Commission, Aspects of Structural Change in Australia, Research Paper, 1998.

<sup>72</sup> Productivity Commission, Looking Back on Structural Change in Australia: 2002–2012, Supplement to Annual Report 2011–12, 2013.

Table C 3.1.3.b Structural change index by major urban area

Major Urban Area	2006-2011
	index
Greater Sydney	2.7
Greater Melbourne	3.9
Greater Brisbane	4.6
Greater Perth	4.5
Greater Adelaide	4.4
Gold Coast - Tweed Heads	5.6
Newcastle - Maitland	3.3
Canberra - Queanbeyan	4.0
Sunshine Coast	5.7
Wollongong	4.4
Greater Hobart	3.9
Geelong	5.4
Townsville	2.8
Cairns	6.6
Greater Darwin	4.7
Toowoomba	5.3
Ballarat	4.6
Bendigo	4.4
Albury - Wodonga	4.8
Launceston	4.4

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Structural change index based on methodology used in Productivity Commission, Aspects of Structural Change in Australia, Research Paper, 1998.

Table C 3.1.3.c Structural change index by sub-state region

<i>Sub-State Region</i>	<i>2006-2011 index</i>
<b>New South Wales</b>	
<b>Greater Sydney</b>	<b>2.7</b>
Central Coast	3.5
Sydney - Baulkham Hills and Hawkesbury	2.6
Sydney - Blacktown	3.5
Sydney - City and Inner South	3.5
Sydney - Eastern Suburbs	3.4
Sydney - Inner South West	3.5
Sydney - Inner West	2.8
Sydney - North Sydney and Hornsby	2.6
Sydney - Northern Beaches	3.0
Sydney - Outer South West	3.1
Sydney - Outer West and Blue Mountains	2.7
Sydney - Parramatta	3.1
Sydney - Ryde	2.8
Sydney - South West	3.4
Sydney - Sutherland	3.6
<b>Rest of New South Wales</b>	<b>4.0</b>
Capital Region	4.6
Central West	5.4
Coffs Harbour - Grafton	4.6
Far West and Orana	3.9
Hunter Valley exc Newcastle	4.3
Illawarra	4.4
Mid North Coast	4.9
Murray	5.1
New England and North West	3.7
Newcastle and Lake Macquarie	3.1
Richmond - Tweed	4.7
Riverina	3.8
Southern Highlands and Shoalhaven	3.9
<b>Victoria</b>	
<b>Greater Melbourne</b>	<b>3.9</b>
Melbourne - Inner	3.8
Melbourne - Inner East	3.0
Melbourne - Inner South	3.8
Melbourne - North East	4.3
Melbourne - North West	4.6
Melbourne - Outer East	4.4
Melbourne - South East	4.5
Melbourne - West	4.6
Mornington Peninsula	3.8

(continued)

*Structural change index by sub-state region (continued)*

<i>Sub-State Region</i>	<i>2006-2011 index</i>
<b>Rest of Victoria</b>	<b>4.7</b>
Ballarat	5.0
Bendigo	4.8
Geelong	5.2
Hume	4.1
Latrobe - Gippsland	4.3
North West	4.9
Shepparton	5.1
Warrnambool and South West	4.3
<b>Queensland</b>	
<b>Greater Brisbane</b>	<b>4.6</b>
Brisbane - East	4.9
Brisbane - North	5.3
Brisbane - South	5.3
Brisbane - West	5.1
Brisbane Inner City	5.7
Ipswich	4.8
Logan - Beaudesert	4.5
Moreton Bay - North	4.6
Moreton Bay - South	4.7
<b>Rest of Queensland</b>	<b>4.8</b>
Cairns	5.1
Darling Downs - Maranoa	6.6
Fitzroy	4.7
Gold Coast	5.7
Mackay	5.0
Queensland - Outback	10.5
<i>Far North</i>	22.0
<i>Outback - North</i>	6.8
<i>Outback - South</i>	5.8
Sunshine Coast	5.6
Toowoomba	4.9
Townsville	2.9
Wide Bay	5.6
<b>South Australia</b>	
<b>Greater Adelaide</b>	<b>4.4</b>
Adelaide - Central and Hills	3.5
Adelaide - North	4.8
Adelaide - South	4.9
Adelaide - West	5.1
<b>Rest of South Australia</b>	<b>5.0</b>
Barossa - Yorke - Mid North	4.8

*(continued)*

*Structural change index by sub-state region (continued)*

<b>Sub-State Region</b>	<b>2006-2011 index</b>
South Australia - Outback	6.1
<i>Eyre Peninsula and South West</i>	5.6
<i>Outback - North and East</i>	8.6
South Australia - South East	5.5
<b>Western Australia</b>	
<b>Greater Perth</b>	<b>4.5</b>
Mandurah	5.8
Perth - Inner	5.2
Perth - North East	4.4
Perth - North West	4.6
Perth - South East	4.4
Perth - South West	4.9
<b>Rest of Western Australia</b>	<b>6.9</b>
Bunbury	4.6
Western Australia - Outback	9.1
<i>Esperance</i>	7.9
<i>Gascoyne</i>	9.6
<i>Goldfields</i>	4.7
<i>Kimberley</i>	11.3
<i>Mid West</i>	6.8
<i>Pilbara</i>	12.7
Western Australia - Wheat Belt	6.8
<b>Tasmania</b>	
<b>Greater Hobart</b>	<b>3.9</b>
<b>Rest of Tasmania</b>	<b>5.0</b>
Launceston and North East	4.8
South East	6.5
West and North West	5.5
<b>Northern Territory</b>	
<b>Greater Darwin</b>	<b>4.7</b>
Northern Territory - Outback	8.8
<i>Alice Springs</i>	5.4
<i>Barkly</i>	13.4
<i>Daly - Tiwi - West Arnhem</i>	22.8
<i>East Arnhem</i>	17.8
<i>Katherine</i>	9.3
<b>Australian Capital Territory</b>	<b>4.1</b>

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Structural change index based on methodology used in Productivity Commission, Aspects of Structural Change in Australia, Research Paper, 1998.



Table C 3.1.3.d Structural change index by capital city/balance of state

Capital City / Balance of State	2006–2011
	index
Greater Sydney	2.7
Rest of New South Wales	4.0
Greater Melbourne	3.9
Rest of Victoria	4.7
Greater Brisbane	4.6
Rest of Queensland	4.8
Greater Adelaide	4.4
Rest of South Australia	5.0
Greater Perth	4.5
Rest of Western Australia	6.9
Greater Hobart	3.9
Rest of Tasmania	5.0
Greater Darwin	4.7
Rest of Northern Territory	8.8
Australian Capital Territory	4.1

Source: ABS Census of Population and Housing, retrieved using TableBuilder Pro, 2011, Third Release (cat. no. 2073.0) and ABS, TableBuilder, 2006 (cat. no. 2065.0)

Structural change index based on methodology used in Productivity Commission, Aspects of Structural Change in Australia, Research Paper, 1998.

## C 3.2 Business Activity

### C 3.2.1 Actively trading businesses

This is a count of the number of businesses which actively traded in goods or services over the financial year. The number of businesses operating in a region, and changes in business counts over time, can provide useful context for understanding processes of economic change in a region.

Table C 3.2.1.a Actively trading businesses by remoteness class

Remoteness Class	2008 businesses	2011 businesses	2014 businesses	2008–2014 change businesses	Trend
Major Cities	1,400,881	1,466,764	1,471,946	71,064	
Inner Regional	364,975	363,327	354,910	-10,064	
Outer Regional	205,196	203,858	200,069	-5,127	
Remote	31,370	31,547	31,287	-83	
Very Remote	11,743	11,881	11,978	235	
AUSTRALIA	2,014,164	2,077,377	2,070,190	56,026	

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0); ABS, National Regional Profile, 2007 to 2011 (cat. no. 1379.0.55.001)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Data in this table has been constructed from business counts at the SA2 level. Data at this small geographic scale is subject to issues relating to geocoding multi location business locations and may have been confidentialised so as not to release the identity of any business units. This will result in small differences in the counts of businesses published for larger sub-state regions like SA4s and GCCSAs.

Table C 3.2.1.b Actively trading businesses by major urban area

Major Urban Area	2008 businesses	2011 businesses	2014 businesses	2008-2014 change businesses	Trend
Greater Sydney	448,763	470,231	470,590	21,827	
Greater Melbourne	378,303	403,846	411,291	32,988	
Greater Brisbane	182,287	189,183	184,248	1,961	
Greater Perth	155,303	162,709	169,525	14,222	
Greater Adelaide	104,783	107,922	105,582	799	
Gold Coast - Tweed Heads	65,900	65,850	62,863	-3,037	
Newcastle - Maitland	27,623	27,711	28,141	518	
Canberra - Queanbeyan	25,822	26,712	27,301	1,479	
Sunshine Coast	32,034	31,953	30,893	-1,141	
Wollongong	16,212	16,179	15,691	-521	
Greater Hobart	14,881	15,224	14,676	-205	
Geelong	12,808	12,972	12,993	185	
Townsville	10,993	10,956	10,975	-18	
Cairns	12,818	12,667	12,016	-802	
Greater Darwin	9,419	9,969	10,324	905	
Toowoomba	8,689	8,837	9,044	355	
Ballarat	6,623	7,185	7,489	866	
Bendigo	5,987	6,090	6,227	240	
Albury - Wodonga	6,927	6,951	6,866	-61	
Launceston	6,269	6,402	6,100	-169	

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0); ABS, National Regional Profile, 2007 to 2011 (cat. no. 1379.0.55.001)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Data in this table has been constructed from business counts at the SA2 level. Data at this small geographic scale is subject to issues relating to geocoding multi location business locations and may have been confidentialised so as not to release the identity of any business units. This will result in small differences in the counts of businesses published for larger sub-state regions like SA4s and GCCSAs.

Table C 3.2.1.c Actively trading businesses by sub-state region

Sub-State Region	2008 businesses	2011 businesses	2014 businesses	2008-2014 change businesses	Trend
<b>New South Wales</b>					
<b>Greater Sydney</b>	<b>448,763</b>	<b>470,231</b>	<b>470,590</b>	<b>21,827</b>	
Central Coast	22,779	22,105	21,316	-1,463	
Sydney - Baulkham Hills and Hawkesbury	24,602	25,413	25,467	865	
Sydney - Blacktown	16,711	17,771	17,806	1,095	
Sydney - City and Inner South	66,633	70,636	72,487	5,854	
Sydney - Eastern Suburbs	29,209	30,850	30,660	1,451	
Sydney - Inner South West	45,781	49,155	48,815	3,034	
Sydney - Inner West	28,203	30,706	30,831	2,628	
Sydney - North Sydney and Hornsby	51,908	54,510	54,170	2,262	
Sydney - Northern Beaches	29,720	30,701	30,534	814	
Sydney - Outer South West	15,970	15,977	15,414	-556	
Sydney - Outer West and Blue Mountains	21,705	21,261	20,258	-1,447	
Sydney - Parramatta	33,209	36,939	38,072	4,863	
Sydney - Ryde	15,631	16,751	16,902	1,271	
Sydney - South West	25,864	26,597	27,216	1,352	
Sydney - Sutherland	20,838	20,859	20,642	-196	
<b>Rest of New South Wales</b>	<b>222,005</b>	<b>219,194</b>	<b>214,658</b>	<b>-7,347</b>	
Capital Region	20,998	20,686	20,107	-891	
Central West	19,348	19,256	19,179	-169	
Coffs Harbour - Grafton	11,316	10,905	10,425	-891	
Far West and Orana	11,411	11,626	11,453	42	
Hunter Valley exc Newcastle	17,806	17,727	17,461	-345	
Illawarra	16,902	16,870	16,356	-546	
Mid North Coast	17,488	16,494	15,717	-1,771	
Murray	11,854	11,817	11,720	-134	
New England and North West	19,785	19,796	19,761	-24	
Newcastle and Lake Macquarie	23,848	23,833	23,986	138	
Richmond - Tweed	22,996	22,367	21,262	-1,734	
Riverina	15,766	15,860	15,735	-31	
Southern Highlands and Shoalhaven	12,487	11,957	11,496	-991	
<b>Victoria</b>					
<b>Greater Melbourne</b>	<b>378,303</b>	<b>403,846</b>	<b>411,291</b>	<b>32,988</b>	
Melbourne - Inner	83,626	90,256	95,955	12,329	
Melbourne - Inner East	39,163	42,019	42,559	3,396	
Melbourne - Inner South	42,768	44,867	45,942	3,174	
Melbourne - North East	33,345	35,937	36,040	2,695	
Melbourne - North West	24,239	26,236	26,198	1,959	
Melbourne - Outer East	43,763	44,530	42,931	-832	
Melbourne - South East	52,054	56,128	56,844	4,790	
Melbourne - West	35,774	40,361	41,623	5,849	
Mornington Peninsula	23,571	23,512	23,199	-372	

(continued)

## Actively trading businesses by sub-state region (continued)

Sub-State Region	2008 businesses	2011 businesses	2014 businesses	2008-2014 change businesses	Trend
<b>Rest of Victoria</b>	<b>130,711</b>	<b>130,909</b>	<b>129,834</b>	<b>-877</b>	
Ballarat	11,706	12,210	12,616	910	
Bendigo	11,719	11,737	11,815	96	
Geelong	19,810	20,051	20,327	517	
Hume	17,517	17,442	17,069	-448	
Latrobe - Gippsland	24,527	24,352	23,835	-692	
North West	17,589	17,260	16,952	-637	
Shepparton	13,820	13,820	13,459	-361	
Warrnambool and South West	14,023	14,037	13,761	-262	
<b>Queensland</b>					
<b>Greater Brisbane</b>	<b>182,287</b>	<b>189,183</b>	<b>184,248</b>	<b>1,961</b>	
Brisbane - East	18,389	18,538	17,946	-443	
Brisbane - North	14,862	15,367	14,976	114	
Brisbane - South	28,421	31,032	30,786	2,365	
Brisbane - West	14,313	14,852	14,338	25	
Brisbane Inner City	38,596	41,780	42,920	4,324	
Ipswich	17,125	17,171	16,634	-491	
Logan - Beaudesert	23,083	22,842	20,749	-2,334	
Moreton Bay - North	15,321	14,855	13,714	-1,607	
Moreton Bay - South	12,177	12,746	12,185	8	
<b>Rest of Queensland</b>	<b>231,445</b>	<b>231,281</b>	<b>225,688</b>	<b>-5,757</b>	
Cairns	23,278	22,809	21,835	-1,443	
Darling Downs - Maranoa	17,739	18,156	18,630	891	
Fitzroy	17,258	17,562	17,684	426	
Gold Coast	62,450	62,536	59,789	-2,661	
Mackay	15,642	15,896	15,659	17	
Queensland - Outback	6,982	7,095	7,248	266	
Far North	1,617	1,665	1,674	57	
Outback - North	2,271	2,255	2,341	70	
Outback - South	3,094	3,175	3,233	139	
Sunshine Coast	36,050	35,912	34,434	-1,616	
Toowoomba	11,624	11,842	12,072	448	
Townsville	16,865	16,780	16,787	-78	
Wide Bay	23,557	22,693	21,550	-2,007	
<b>South Australia</b>					
<b>Greater Adelaide</b>	<b>104,783</b>	<b>107,922</b>	<b>105,582</b>	<b>799</b>	
Adelaide - Central and Hills	44,479	46,128	46,196	1,717	
Adelaide - North	21,187	21,656	20,240	-947	
Adelaide - South	21,949	22,172	21,619	-330	
Adelaide - West	17,168	17,966	17,527	359	
<b>Rest of South Australia</b>	<b>37,173</b>	<b>36,854</b>	<b>35,783</b>	<b>-1,390</b>	
Barossa - Yorke - Mid North	11,042	11,088	10,864	-178	

(continued)

## Actively trading businesses by sub-state region (continued)

Sub-State Region	2008 businesses	2011 businesses	2014 businesses	2008-2014 change businesses	Trend
South Australia - Outback	6,873	6,810	6,623	-250	
Eyre Peninsula and South West	5,484	5,418	5,315	-169	
Outback - North and East	1,389	1,392	1,308	-81	
South Australia - South East	19,258	18,956	18,296	-962	
<b>Western Australia</b>					
<b>Greater Perth</b>	<b>155,303</b>	<b>162,709</b>	<b>169,525</b>	<b>14,222</b>	
Mandurah	5,926	5,719	5,463	-463	
Perth - Inner	34,318	36,481	35,409	1,091	
Perth - North East	16,994	17,609	19,210	2,216	
Perth - North West	38,503	40,663	43,024	4,521	
Perth - South East	32,975	34,602	37,080	4,105	
Perth - South West	26,587	27,635	29,339	2,752	
<b>Rest of Western Australia</b>	<b>48,568</b>	<b>48,861</b>	<b>47,407</b>	<b>-1,161</b>	
Bunbury	15,509	15,567	15,312	-197	
Western Australia - Outback	15,518	15,923	15,315	-203	
Esperance	2,158	2,082	2,010	-148	
Gascoyne	973	985	991	18	
Goldfields	2,511	2,614	2,390	-121	
Kimberley	2,316	2,524	2,362	46	
Mid West	5,294	5,342	5,134	-160	
Pilbara	2,266	2,376	2,428	162	
Western Australia - Wheat Belt	17,541	17,371	16,780	-761	
<b>Tasmania</b>					
<b>Greater Hobart</b>	<b>14,881</b>	<b>15,224</b>	<b>14,676</b>	<b>-205</b>	
<b>Rest of Tasmania</b>	<b>23,289</b>	<b>23,072</b>	<b>21,841</b>	<b>-1,448</b>	
Launceston and North East	11,805	11,749	11,141	-664	
South East	3,273	3,107	2,967	-306	
West and North West	8,211	8,216	7,733	-478	
<b>Northern Territory</b>					
<b>Greater Darwin</b>	<b>9,419</b>	<b>9,969</b>	<b>10,324</b>	<b>905</b>	
Northern Territory - Outback	3,833	3,889	3,639	-194	
Alice Springs	2,117	2,144	1,969	-148	
Barkly	209	217	205	-4	
Daly - Tiwi - West Arnhem	324	329	343	19	
East Arnhem	318	288	239	-79	
Katherine	865	911	883	18	
<b>Australian Capital Territory</b>	<b>23,395</b>	<b>24,223</b>	<b>25,049</b>	<b>1,654</b>	

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0); ABS, National Regional Profile, 2007 to 2011 (cat. no. 1379.0.55.001)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Data in this table has been constructed from business counts at the SA2 level. Data at this small geographic scale is subject to issues relating to geocoding multi location business locations and may have been confidentialised so as not to release the identity of any business units. This will result in small differences in the counts of businesses published for larger sub-state regions like SA4s and GCCSAs.

Table C 3.2.1.d Actively trading businesses by capital city/balance of state

Capital City / Balance of State	2008	2011	2014	2008-2014	Trend
	businesses	businesses	businesses	change businesses	
Greater Sydney	448,763	470,231	470,590	21,827	
Rest of New South Wales	222,005	219,194	214,658	-7,347	
Greater Melbourne	378,303	403,846	411,291	32,988	
Rest of Victoria	130,711	130,909	129,834	-877	
Greater Brisbane	182,287	189,183	184,248	1,961	
Rest of Queensland	231,445	231,281	225,688	-5,757	
Greater Adelaide	104,783	107,922	105,582	799	
Rest of South Australia	37,173	36,854	35,783	-1,390	
Greater Perth	155,303	162,709	169,525	14,222	
Rest of Western Australia	48,568	48,861	47,407	-1,161	
Greater Hobart	14,881	15,224	14,676	-205	
Rest of Tasmania	23,289	23,072	21,841	-1,448	
Greater Darwin	9,419	9,969	10,324	905	
Rest of Northern Territory	3,833	3,889	3,639	-194	
Australian Capital Territory	23,395	24,223	25,049	1,654	

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0); ABS, National Regional Profile, 2007 to 2011 (cat. no. 1379.0.55.001)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Data in this table has been constructed from business counts at the SA2 level. Data at this small geographic scale is subject to issues relating to geocoding multi location business locations and may have been confidentialised so as not to release the identity of any business units. This will result in small differences in the counts of businesses published for larger sub-state regions like SA4s and GCCSAs.

## C 3.2.2 Business size

This indicator set provides a summary profile of business size for a region, based on those businesses which actively traded in goods or services during the financial year of 2013–14. It places businesses into size categories according to the number of employees. Information on the numbers of small, medium or large businesses in a region provides useful context about the nature of regional economic activity.

Table C 3.2.2.a Business size by remoteness class

Remoteness Class	Non employing per cent	1–4 employees per cent	5–19 employees per cent	20–199 employees per cent	200+ employees per cent
<b>2013-14</b>					
Major Cities	60.8	27.6	9.1	2.5	0.1
Inner Regional	60.8	26.8	10.2	2.1	0.0
Outer Regional	60.9	26.3	10.7	2.1	0.0
Remote	59.8	26.2	11.6	2.4	0.0
Very Remote	60.6	26.3	10.8	2.3	0.0
AUSTRALIA	60.8	27.3	9.5	2.4	0.1

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Table C 3.2.2.b Business size by major urban area

Major Urban Area	Non employing per cent	1–4 employees per cent	5–19 employees per cent	20–199 employees per cent	200+ employees per cent
<b>2013-14</b>					
Greater Sydney	59.0	30.3	8.5	2.3	0.1
Greater Melbourne	61.3	27.6	8.8	2.3	0.1
Greater Brisbane	60.8	27.0	9.5	2.6	0.1
Greater Perth	62.8	24.5	9.6	3.0	0.1
Greater Adelaide	66.9	21.7	9.1	2.4	0.0
Gold Coast - Tweed Heads	63.4	25.9	8.6	2.2	0.1
Newcastle - Maitland	53.7	30.5	12.5	3.3	0.0
Canberra - Queanbeyan	57.5	28.2	11.5	2.9	0.1
Sunshine Coast	61.7	26.7	9.6	2.0	0.1
Wollongong	53.8	32.6	11.0	2.5	0.0
Greater Hobart	60.6	25.1	11.7	2.6	0.1
Geelong	59.3	27.7	10.4	2.6	0.0
Townsville	55.8	27.0	13.7	3.5	0.1
Cairns	58.5	27.0	11.6	2.9	0.1
Greater Darwin	60.7	24.0	11.7	3.5	0.1
Toowoomba	59.4	25.8	11.6	3.2	0.1
Ballarat	57.8	28.3	11.3	2.6	0.0
Bendigo	54.8	29.7	12.5	3.0	0.0
Albury - Wodonga	59.5	25.6	12.1	2.9	0.2
Launceston	55.4	27.2	14.6	2.9	0.0

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.



Table C 3.2.2.c Business size by sub-state region

Sub-State Region	Non employing per cent	1-4 employees per cent	5-19 employees per cent	20-199 employees per cent	200+ employees per cent
2013-14					
<b>New South Wales</b>					
<b>Greater Sydney</b>	<b>59.0</b>	<b>30.3</b>	<b>8.5</b>	<b>2.3</b>	<b>0.1</b>
Central Coast	55.4	32.6	10.1	1.9	0.1
Sydney - Baulkham Hills and Hawkesbury	57.5	32.4	8.4	1.8	0.1
Sydney - Blacktown	58.5	30.9	8.3	2.4	0.1
Sydney - City and Inner South	58.9	26.5	10.5	4.1	0.2
Sydney - Eastern Suburbs	64.7	27.2	6.6	1.5	0.0
Sydney - Inner South West	60.2	31.1	7.2	1.5	0.0
Sydney - Inner West	60.8	29.9	7.7	1.7	0.0
Sydney - North Sydney and Hornsby	60.8	28.6	8.3	2.3	0.1
Sydney - Northern Beaches	58.9	31.4	7.9	1.8	0.1
Sydney - Outer South West	55.5	33.4	9.2	1.9	0.0
Sydney - Outer West and Blue Mountains	55.6	32.8	9.6	2.0	0.0
Sydney - Parramatta	58.9	30.6	8.2	2.3	0.1
Sydney - Ryde	59.5	30.7	7.5	2.3	0.1
Sydney - South West	54.8	35.0	8.2	1.9	0.0
Sydney - Sutherland	57.1	32.2	9.1	1.6	0.0
<b>Rest of New South Wales</b>	<b>58.7</b>	<b>28.3</b>	<b>10.9</b>	<b>2.1</b>	<b>0.0</b>
Capital Region	57.2	29.9	11.2	1.7	0.0
Central West	58.7	27.9	11.5	1.9	0.0
Coffs Harbour - Grafton	59.5	28.1	10.6	1.8	0.0
Far West and Orana	59.4	27.2	11.5	2.0	0.0
Hunter Valley exc Newcastle	58.1	27.8	11.5	2.6	0.1
Illawarra	54.0	32.6	11.0	2.4	0.0
Mid North Coast	61.7	26.8	9.8	1.7	0.0
Murray	59.8	26.4	11.5	2.3	0.1
New England and North West	61.9	26.6	10.0	1.4	0.0
Newcastle and Lake Macquarie	53.8	30.8	12.3	3.1	0.0
Richmond - Tweed	64.0	25.2	9.0	1.7	0.1
Riverina	58.9	27.9	11.0	2.2	0.0
Southern Highlands and Shoalhaven	57.3	30.8	10.3	1.6	0.0
<b>Victoria</b>					
<b>Greater Melbourne</b>	<b>61.3</b>	<b>27.6</b>	<b>8.8</b>	<b>2.3</b>	<b>0.1</b>
Melbourne - Inner	62.1	24.7	10.0	3.3	0.1
Melbourne - Inner East	63.3	27.4	7.7	1.6	0.1
Melbourne - Inner South	63.7	26.5	7.9	1.9	0.0
Melbourne - North East	61.3	29.0	8.1	1.6	0.0
Melbourne - North West	61.4	27.2	9.0	2.5	0.1
Melbourne - Outer East	57.7	31.0	9.2	2.1	0.0
Melbourne - South East	59.7	28.3	9.2	2.7	0.1
Melbourne - West	61.9	28.5	7.6	2.0	0.1
Mornington Peninsula	59.4	30.2	8.6	1.8	0.0

(continued)

*Business size by sub-state region (continued)*

<i>Sub-State Region</i>	<i>Non employing per cent</i>	<i>1-4 employees per cent</i>	<i>5-19 employees per cent</i>	<i>20-199 employees per cent</i>	<i>200+ employees per cent</i>
<b>Rest of Victoria</b>	<b>60.8</b>	<b>27.3</b>	<b>10.0</b>	<b>1.9</b>	<b>0.0</b>
Ballarat	58.8	29.2	10.0	1.9	0.0
Bendigo	59.1	28.0	10.7	2.3	0.0
Geelong	60.3	27.9	9.6	2.2	0.0
Hume	63.4	25.7	9.4	1.5	0.0
Latrobe - Gippsland	63.3	25.8	9.3	1.7	0.0
North West	57.0	29.9	11.1	2.0	0.0
Shepparton	62.3	25.6	9.8	2.4	0.0
Warrnambool and South West	60.3	27.2	10.8	1.7	0.0
<b>Queensland</b>					
<b>Greater Brisbane</b>	<b>60.8</b>	<b>27.0</b>	<b>9.5</b>	<b>2.6</b>	<b>0.1</b>
Brisbane - East	58.0	29.3	10.0	2.7	0.1
Brisbane - North	60.3	26.5	10.0	3.2	0.2
Brisbane - South	60.8	26.7	10.1	2.4	0.0
Brisbane - West	61.8	28.7	7.9	1.6	0.1
Brisbane Inner City	62.9	24.0	9.7	3.4	0.1
Ipswich	61.9	26.5	9.2	2.4	0.0
Logan - Beaudesert	60.3	28.2	9.4	2.2	0.1
Moreton Bay - North	59.4	28.8	9.5	2.2	0.0
Moreton Bay - South	58.5	30.3	9.1	2.1	0.0
<b>Rest of Queensland</b>	<b>62.2</b>	<b>25.5</b>	<b>9.9</b>	<b>2.4</b>	<b>0.1</b>
Cairns	59.9	26.3	11.1	2.7	0.1
Darling Downs - Maranoa	68.5	21.3	8.3	1.9	0.0
Fitzroy	61.6	25.2	10.4	2.8	0.1
Gold Coast	63.4	25.9	8.5	2.2	0.0
Mackay	58.9	25.9	11.9	3.3	0.0
Queensland - Outback	62.1	24.8	11.0	2.1	0.0
<i>Far North</i>	63.4	22.4	11.2	3.1	0.2
<i>Outback - North</i>	58.9	24.8	13.4	2.9	0.0
<i>Outback - South</i>	63.7	26.1	9.1	1.1	0.0
Sunshine Coast	61.9	26.7	9.5	1.9	0.1
Toowoomba	60.6	25.9	10.7	2.8	0.1
Townsville	58.0	26.5	12.6	3.0	0.1
Wide Bay	62.9	24.8	10.2	2.1	0.0
<b>South Australia</b>					
<b>Greater Adelaide</b>	<b>66.9</b>	<b>21.7</b>	<b>9.1</b>	<b>2.4</b>	<b>0.0</b>
Adelaide - Central and Hills	68.5	20.6	8.7	2.2	0.0
Adelaide - North	66.3	22.8	8.7	2.3	0.0
Adelaide - South	66.5	23.1	8.4	1.9	0.0
Adelaide - West	63.8	21.6	11.3	3.3	0.1
<b>Rest of South Australia</b>	<b>60.0</b>	<b>26.5</b>	<b>11.6</b>	<b>1.9</b>	<b>0.0</b>
Barossa - Yorke - Mid North	61.1	26.9	10.5	1.5	0.0

(continued)

*Business size by sub-state region (continued)*

<i>Sub-State Region</i>	<i>Non employing per cent</i>	<i>1-4 employees per cent</i>	<i>5-19 employees per cent</i>	<i>20-199 employees per cent</i>	<i>200+ employees per cent</i>
South Australia - Outback	56.7	27.7	13.4	2.2	0.0
<i>Eyre Peninsula and South West</i>	57.3	27.7	12.9	2.0	0.0
<i>Outback - North and East</i>	54.2	27.7	15.2	2.9	0.0
South Australia - South East	60.6	25.7	11.7	2.0	0.0
<b>Western Australia</b>					
<b>Greater Perth</b>	<b>62.8</b>	<b>24.5</b>	<b>9.6</b>	<b>3.0</b>	<b>0.1</b>
Mandurah	60.1	26.7	10.0	3.2	0.0
Perth - Inner	62.5	23.8	10.1	3.6	0.2
Perth - North East	61.6	24.7	10.4	3.2	0.0
Perth - North West	64.5	24.7	8.4	2.4	0.0
Perth - South East	62.3	24.6	9.9	3.2	0.1
Perth - South West	62.5	24.6	9.8	3.0	0.1
<b>Rest of Western Australia</b>	<b>60.4</b>	<b>25.9</b>	<b>11.0</b>	<b>2.8</b>	<b>0.0</b>
Bunbury	62.9	23.1	11.0	3.0	0.0
Western Australia - Outback	56.8	26.8	12.6	3.8	0.0
<i>Esperance</i>	56.1	30.3	11.7	2.0	0.0
<i>Gascoyne</i>	55.7	25.2	13.8	5.4	0.0
<i>Goldfields</i>	52.3	28.2	14.9	4.6	0.1
<i>Kimberley</i>	56.0	23.8	15.0	5.2	0.1
<i>Mid West</i>	58.9	27.5	11.0	2.6	0.0
<i>Pilbara</i>	58.8	24.5	11.6	5.1	0.0
Western Australia - Wheat Belt	61.3	27.7	9.4	1.6	0.0
<b>Tasmania</b>					
<b>Greater Hobart</b>	<b>60.6</b>	<b>25.1</b>	<b>11.7</b>	<b>2.6</b>	<b>0.1</b>
<b>Rest of Tasmania</b>	<b>59.2</b>	<b>25.9</b>	<b>12.5</b>	<b>2.4</b>	<b>0.0</b>
Launceston and North East	59.2	26.1	12.6	2.2	0.0
South East	63.0	23.3	11.4	2.2	0.1
West and North West	57.8	26.7	12.7	2.7	0.0
<b>Northern Territory</b>					
<b>Greater Darwin</b>	<b>60.7</b>	<b>24.0</b>	<b>11.7</b>	<b>3.5</b>	<b>0.1</b>
Northern Territory - Outback	55.8	22.8	16.5	4.9	0.1
<i>Alice Springs</i>	56.5	20.9	17.3	5.2	0.2
<i>Barkly</i>	56.4	23.5	15.7	4.4	0.0
<i>Daly - Tiwi - West Arnhem</i>	62.5	18.8	13.8	5.0	0.0
<i>East Arnhem</i>	55.1	22.0	15.9	7.0	0.0
<i>Katherine</i>	51.5	28.8	16.1	3.6	0.0
<b>Australian Capital Territory</b>	<b>57.5</b>	<b>28.1</b>	<b>11.5</b>	<b>2.9</b>	<b>0.1</b>

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

Table C 3.2.2.d Business size by capital city/balance of state

Capital City / Balance of State	Non	1-4	5-19	20-199	200+
	employing	employees	employees	employees	employees
	per cent	per cent	per cent	per cent	per cent
2013-14					
Greater Sydney	59.0	30.3	8.5	2.3	0.1
Rest of New South Wales	58.7	28.3	10.9	2.1	0.0
Greater Melbourne	61.3	27.6	8.8	2.3	0.1
Rest of Victoria	60.8	27.3	10.0	1.9	0.0
Greater Brisbane	60.8	27.0	9.5	2.6	0.1
Rest of Queensland	62.2	25.5	9.9	2.4	0.1
Greater Adelaide	66.9	21.7	9.1	2.4	0.0
Rest of South Australia	60.0	26.5	11.6	1.9	0.0
Greater Perth	62.8	24.5	9.6	3.0	0.1
Rest of Western Australia	60.4	25.9	11.0	2.8	0.0
Greater Hobart	60.6	25.1	11.7	2.6	0.1
Rest of Tasmania	59.2	25.9	12.5	2.4	0.0
Greater Darwin	60.7	24.0	11.7	3.5	0.1
Rest of Northern Territory	55.8	22.8	16.5	4.9	0.1
Australian Capital Territory	57.5	28.1	11.5	2.9	0.1

Source: ABS, Counts of Australian Businesses, including Entries and Exits, Jun 2010 to Jun 2014 (cat. no. 8165.0)

Does not include actively trading businesses which have not registered for an ABN, either because they do not have any obligations under the Goods and Services Tax (GST) legislation or are under the threshold for registration and have chosen not to register.

## C 3.3 Innovation

### C 3.3.1 Employment in knowledge-intensive industries

Employment in knowledge-intensive industries indicates the number of people working in high and medium-high technology manufacturing or knowledge-intensive services. These industries tend to be concentrated in certain regions since investment, infrastructure and human capital tend to be geographically clustered.<sup>73</sup> Knowledge-intensive industries are important for regional economies because of their links to innovative products, new production processes, use in creative and knowledge-intensive services, productivity, and creation of well-paying jobs.

Table C 3.3.1.a Knowledge intensive industries by remoteness class

Remoteness Class	2006 per cent	2011 per cent	2006–2011 change percentage points
Major Cities	33.2	34.5	1.3
Inner Regional	25.5	26.4	0.9
Outer Regional	21.5	22.7	1.2
Remote	19.3	20.1	0.8
Very Remote	15.4	18.3	2.8
AUSTRALIA	30.4	31.7	1.3

Source: ABS, 2011 TableBuilder Pro, 2011 Third Release (cat. no. 2073.0); ABS, 2006 TableBuilder, 2006 (cat. no. 2065.0); Australian and New Zealand Standard Industrial Classification (ANZSIC), 2006 – Correspondence Tables (cat. no. 1292.0.55.005)

Includes high and medium-high technology manufacturing and knowledge-intensive services, based on the OECD publication Regions at a Glance 2009 ([http://dx.doi.org/10.1787/reg\\_glance-2009-en](http://dx.doi.org/10.1787/reg_glance-2009-en)).

<sup>73</sup> OECD, Regions at a Glance, Employment in Knowledge-Oriented Sectors, 2009.

Table C 3.3.1.b Knowledge intensive industries by major urban area

Major Urban Area	2006 per cent	2011 per cent	2006–2011 change percentage points
Greater Sydney	34.9	36.3	1.5
Greater Melbourne	35.2	36.1	0.9
Greater Brisbane	31.7	33.8	2.2
Greater Perth	30.5	31.8	1.4
Greater Adelaide	33.2	32.8	-0.4
Gold Coast - Tweed Heads	24.2	27.4	3.2
Newcastle - Maitland	31.8	32.9	1.1
Canberra - Queanbeyan	28.8	28.5	-0.3
Sunshine Coast	25.4	29.1	3.7
Wollongong	29.9	30.8	0.9
Greater Hobart	28.1	29.5	1.4
Geelong	31.0	31.4	0.4
Townsville	26.6	28.6	2.1
Cairns	24.5	27.8	3.4
Greater Darwin	25.2	25.3	0.1
Toowoomba	31.5	32.6	1.1
Ballarat	33.8	34.3	0.5
Bendigo	31.5	32.2	0.7
Albury - Wodonga	27.0	27.3	0.3
Launceston	29.9	29.6	-0.3

Source: ABS, 2011 TableBuilder Pro, 2011 Third Release (cat. no. 2073.0); ABS, 2006 TableBuilder, 2006 (cat. no. 2065.0); Australian and New Zealand Standard Industrial Classification (ANZSIC), 2006 – Correspondence Tables (cat. no. 1292.0.55.005)

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Includes high and medium-high technology manufacturing and knowledge-intensive services, based on the OECD publication Regions at a Glance 2009 ([http://dx.doi.org/10.1787/reg\\_glance-2009-en](http://dx.doi.org/10.1787/reg_glance-2009-en)).

Table C 3.3.1.c Knowledge intensive industries by sub-state region

Sub-State Region	2006 per cent	2011 per cent	2006–2011 change percentage points
<b>New South Wales</b>			
<b>Greater Sydney</b>	<b>34.9</b>	<b>36.3</b>	<b>1.5</b>
Central Coast	28.1	29.1	1.0
Sydney - Baulkham Hills and Hawkesbury	35.3	36.3	1.1
Sydney - Blacktown	30.4	31.7	1.3
Sydney - City and Inner South	39.1	41.8	2.7
Sydney - Eastern Suburbs	42.0	44.4	2.4
Sydney - Inner South West	31.1	32.0	0.9
Sydney - Inner West	40.4	41.8	1.4
Sydney - North Sydney and Hornsby	47.3	49.3	2.0
Sydney - Northern Beaches	36.0	38.3	2.3
Sydney - Outer South West	28.9	29.3	0.4
Sydney - Outer West and Blue Mountains	29.2	29.5	0.3
Sydney - Parramatta	33.3	34.8	1.4
Sydney - Ryde	42.0	44.1	2.1
Sydney - South West	26.3	27.8	1.5
Sydney - Sutherland	33.6	34.8	1.2
<b>Rest of New South Wales</b>	<b>25.7</b>	<b>26.6</b>	<b>0.9</b>
Capital Region	22.1	22.6	0.5
Central West	23.5	24.4	0.9
Coffs Harbour - Grafton	25.0	25.5	0.6
Far West and Orana	22.9	23.3	0.4
Hunter Valley exc Newcastle	23.1	24.1	1.0
Illawarra	29.9	30.8	0.9
Mid North Coast	24.7	25.8	1.0
Murray	22.4	23.3	0.9
New England and North West	24.5	25.0	0.4
Newcastle and Lake Macquarie	32.6	33.7	1.2
Richmond - Tweed	26.0	27.3	1.3
Riverina	22.6	23.3	0.7
Southern Highlands and Shoalhaven	25.4	25.9	0.5
<b>Victoria</b>			
<b>Greater Melbourne</b>	<b>35.2</b>	<b>36.1</b>	<b>0.9</b>
Melbourne - Inner	44.0	45.4	1.4
Melbourne - Inner East	43.5	44.6	1.0
Melbourne - Inner South	40.2	41.7	1.5
Melbourne - North East	33.9	34.7	0.8
Melbourne - North West	30.3	30.9	0.6
Melbourne - Outer East	32.2	33.4	1.2
Melbourne - South East	31.2	31.5	0.3
Melbourne - West	31.1	32.4	1.3
Mornington Peninsula	27.5	28.2	0.8

(continued)

## Knowledge intensive industries by sub-state region (continued)

Sub-State Region	2006 per cent	2011 per cent	2006–2011 change percentage points
<b>Rest of Victoria</b>	<b>25.9</b>	<b>26.7</b>	<b>0.8</b>
Ballarat	30.7	31.5	0.7
Bendigo	29.7	30.6	0.9
Geelong	30.4	31.0	0.6
Hume	23.7	24.4	0.6
Latrobe - Gippsland	23.8	23.8	0.1
North West	23.1	23.5	0.4
Shepparton	22.3	23.7	1.5
Warrnambool and South West	21.8	22.8	1.0
<b>Queensland</b>			
<b>Greater Brisbane</b>	<b>31.7</b>	<b>33.8</b>	<b>2.2</b>
Brisbane - East	28.2	30.8	2.6
Brisbane - North	32.1	34.8	2.7
Brisbane - South	35.1	37.8	2.7
Brisbane - West	41.4	44.1	2.6
Brisbane Inner City	40.6	42.8	2.2
Ipswich	26.2	28.1	1.9
Logan - Beaudesert	24.4	26.2	1.8
Moreton Bay - North	24.2	25.8	1.6
Moreton Bay - South	30.9	32.9	2.0
<b>Rest of Queensland</b>	<b>23.5</b>	<b>26.1</b>	<b>2.5</b>
Cairns	22.2	25.3	3.1
Darling Downs - Maranoa	19.4	20.1	0.7
Fitzroy	23.1	24.1	1.0
Gold Coast	24.3	27.6	3.3
Mackay	20.7	22.5	1.8
Queensland - Outback	17.1	20.5	3.5
<i>Far North</i>	14.7	23.3	8.7
<i>Outback - North</i>	18.1	19.8	1.6
<i>Outback - South</i>	18.3	18.6	0.3
Sunshine Coast	25.2	28.7	3.5
Toowoomba	30.5	31.3	0.8
Townsville	25.1	27.0	1.9
Wide Bay	22.7	25.7	3.0
<b>South Australia</b>			
<b>Greater Adelaide</b>	<b>33.2</b>	<b>32.8</b>	<b>-0.4</b>
Adelaide - Central and Hills	38.4	38.4	0.0
Adelaide - North	29.3	28.7	-0.6
Adelaide - South	34.2	33.6	-0.5
Adelaide - West	31.0	30.8	-0.2
<b>Rest of South Australia</b>	<b>20.2</b>	<b>20.9</b>	<b>0.6</b>
Barossa - Yorke - Mid North	21.2	21.6	0.4

(continued)



## Knowledge intensive industries by sub-state region (continued)

Sub-State Region	2006 per cent	2011 per cent	2006–2011 change percentage points
South Australia - Outback	21.8	21.8	0.0
Eyre Peninsula and South West	21.5	21.8	0.3
Outback - North and East	22.5	21.9	-0.6
South Australia - South East	18.9	19.9	1.0
<b>Western Australia</b>			
<b>Greater Perth</b>	<b>30.5</b>	<b>31.8</b>	<b>1.4</b>
Mandurah	20.2	22.0	1.8
Perth - Inner	42.8	43.3	0.5
Perth - North East	27.9	29.1	1.2
Perth - North West	31.3	32.7	1.3
Perth - South East	28.5	30.2	1.7
Perth - South West	29.2	30.9	1.8
<b>Rest of Western Australia</b>	<b>20.0</b>	<b>20.9</b>	<b>1.0</b>
Bunbury	20.2	21.9	1.7
Western Australia - Outback	20.2	20.3	0.1
Esperance	18.1	19.4	1.3
Gascoyne	19.6	18.9	-0.7
Goldfields	20.9	21.6	0.7
Kimberley	19.3	25.3	6.0
Mid West	22.1	22.3	0.3
Pilbara	19.0	16.1	-2.9
Western Australia - Wheat Belt	19.4	20.9	1.4
<b>Tasmania</b>			
<b>Greater Hobart</b>	<b>28.1</b>	<b>29.5</b>	<b>1.4</b>
<b>Rest of Tasmania</b>	<b>24.1</b>	<b>24.3</b>	<b>0.2</b>
Launceston and North East	25.9	26.0	0.1
South East	18.7	19.5	0.8
West and North West	23.5	23.6	0.0
<b>Northern Territory</b>			
<b>Greater Darwin</b>	<b>25.2</b>	<b>25.3</b>	<b>0.1</b>
Northern Territory - Outback	20.3	23.8	3.5
Alice Springs	25.3	27.7	2.4
Barkly	17.7	22.4	4.8
Daly - Tiwi - West Arnhem	14.9	18.9	4.0
East Arnhem	13.2	20.0	6.8
Katherine	17.2	20.8	3.6
<b>Australian Capital Territory</b>	<b>29.4</b>	<b>29.1</b>	<b>-0.3</b>

Source: ABS, 2011 TableBuilder Pro, 2011 Third Release (cat. no. 2073.0); ABS, 2006 TableBuilder, 2006 (cat. no. 2065.0); Australian and New Zealand Standard Industrial Classification (ANZSIC), 2006 – Correspondence Tables (cat. no. 1292.0.55.005)

Includes high and medium-high technology manufacturing and knowledge-intensive services, based on the OECD publication Regions at a Glance 2009 ([http://dx.doi.org/10.1787/reg\\_glance-2009-en](http://dx.doi.org/10.1787/reg_glance-2009-en)).

Table C 3.3.1.d Knowledge intensive industries by capital city/balance of state

<i>Capital City / Balance of State</i>	<i>2006 per cent</i>	<i>2011 per cent</i>	<i>2006–2011 change percentage points</i>
Greater Sydney	34.9	36.3	1.5
Rest of New South Wales	25.7	26.6	0.9
Greater Melbourne	35.2	36.1	0.9
Rest of Victoria	25.9	26.7	0.8
Greater Brisbane	31.7	33.8	2.2
Rest of Queensland	23.5	26.1	2.5
Greater Adelaide	33.2	32.8	-0.4
Rest of South Australia	20.2	20.9	0.6
Greater Perth	30.5	31.8	1.4
Rest of Western Australia	20.0	20.9	1.0
Greater Hobart	28.1	29.5	1.4
Rest of Tasmania	24.1	24.3	0.2
Greater Darwin	25.2	25.3	0.1
Rest of Northern Territory	20.3	23.8	3.5
Australian Capital Territory	29.4	29.1	-0.3

Source: ABS, 2011 TableBuilder Pro, 2011 Third Release (cat. no. 2073.0); ABS, 2006 TableBuilder, 2006 (cat. no. 2065.0); Australian and New Zealand Standard Industrial Classification (ANZSIC), 2006 – Correspondence Tables (cat. no. 1292.0.55.005)

Includes high and medium-high technology manufacturing and knowledge-intensive services, based on the OECD publication Regions at a Glance 2009 ([http://dx.doi.org/10.1787/reg\\_glance-2009-en](http://dx.doi.org/10.1787/reg_glance-2009-en)).