



# S Y D N E Y

## .. A Social Atlas



2030.1

### 2001 Census of Population and Housing

# **Sydney** ... A Social Atlas

John Struik Regional Director

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Produced by the Australian Bureau of Statistics

#### INQUIRIES

- For information about other ABS statistics and services, please refer to the back of this publication.
- For further information about these statistics, contact Danielle Bouvier on Sydney 02 9268 4636.

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### Introduction

ABOUT THIS ATLAS	This Social Atlas is one of a series of atlases of Australian capital cities. It contains maps illustrating a range of social, demographic and economic characteristics of the population of Sydney using data collected in the 2001 Census of Population and Housing. A commentary accompanying each map briefly analyses these characteristics and highlights the main features. Commentary appearing in italics refers to other map topics contained in this atlas.
	The region mapped in this atlas is bounded by the suburbs of Palm Beach and Berowra in the north, Riverstone in the north-west, Cronulla and Heathcote in the south, Camden in the south-west, and Faulconbridge in the west. In the commentaries, this region has been referred to simply as Sydney.
	The number of people counted in Sydney on Census Night, 7 August 2001, excluding overseas visitors, was 3,455,110.
ABOUT THE CENSUS	The 2001 Census of Population and Housing aimed at counting every person who spent Census Night, 7 August 2001, in Australia. This included people in private dwellings, non-private dwellings, camping out, on vessels in or between Australian ports, and on overnight transport. All people, including visitors and tourists, were counted where they actually spent Census Night, which may not have been where they usually lived.
	All private dwellings were counted, whether occupied or unoccupied. Occupied non-private dwellings, such as hotels, motels, hospitals and prisons, were also included.
MAP TOPICS	A set of core topics has been selected from the characteristics of the population to enable comparability between atlases. In addition, some city-specific topics have been included in this atlas because of their particular relevance to Sydney. These are: People born in South-East Asia; People speaking a Chinese language at home; People speaking Arabic (including Lebanese) at home; Blue-collar workers; and White-collar workers. Unless stated otherwise, maps in this atlas exclude overseas visitors to Australia.
STATISTICAL BOUNDARIES	Topics are mapped by Collection Districts (CDs), which are the smallest geographic areas used for collection and dissemination of census data. In towns and cities there are usually between 200 to 300 dwellings in each CD and where possible they have easily identified boundaries, such as streets and waterways.
	CDs are the basic building blocks for the aggregation of statistics to larger areas, such as Statistical Local Areas (SLAs) and Local Government Areas (LGAs). As can be seen from the maps, CDs vary in shape and size.
	LGAs are geographic areas under the responsibility of an incorporated local government council. In Sydney, the SLAs are the same as LGAs, except for Blacktown (C), Sutherland Shire (A) and Sydney (C), each of which comprise two or more SLAs. LGAs used in the Census were those appearing in <i>Statistical Geography: Volume 1 — Australian Standard Geographical Classification (ASGC)</i> (cat. no. 1216.0), effective 1 July 2001.
INTERPRETING THE MAPS	Each topic is mapped using different colours to represent different proportions of the mapped characteristic. With the exception of two topics, 'Population density' and 'Average household size', the maps express the various characteristics as a percentage of the relevant population; e.g., unemployed people as a percentage of the labour force. 'Population density' shows the number of people per square kilometre, while 'Average household size' shows the average number of people per occupied private dwelling.

MAP SYMBOLS Maps are oriented conventionally with north to the top of the page, and each map is accompanied by a legend showing the colour and values for each class of the mapped data. CDs containing less than 50 people have been left unshaded. The maps show major roads, selected coastline and CD boundaries. The following symbols are used on the maps: CD boundary Coastline Major roads Topographic data are reproduced with permission of PSMA Australia. MAP LEGEND The map legend identifies the colours used to shade each class on a map e.g. Per cent 30 or more 22 – 30 15 – 22 9 – 15 Less than 9 For simplicity, the ranges are shown as '15-22', '22-30' and so on. These should be read as, for example, 'from 15 to less than 22'. Individual values will appear in one range only. CLASS INTERVAL SELECTION Selecting appropriate class intervals for each map is a key aspect of representing statistical data. For each map, five classes have been used so that the reader is able to distinguish each class clearly. Class intervals which reflect the distribution of the data were calculated using the Dalenius-Hodges algorithm<sup>1</sup>. The aim of this clustering algorithm is to group CDs with similar values in the same class. Therefore, the number of CDs in each class will vary between topics depending on the distribution of the population being mapped. NON-RESIDENTIAL AND FARM LAND No distinction has been drawn between residential land and non-residential and farm land within a CD. The census data are assumed to be homogeneous, or evenly spread,

REFERENCE MAPS

Reference maps are also included with this atlas showing:

selected locations noted in the text accompanying the maps (pp. 76–7);

across the entire CD, even across large parklands and industrial estates, etc.

- SLAs in relation to the mapped area (pp. 78–9); and
- Postal Areas based on CD boundaries (pp. 80–2).

These may be photocopied to produce overlays to be placed on the CD-based maps.

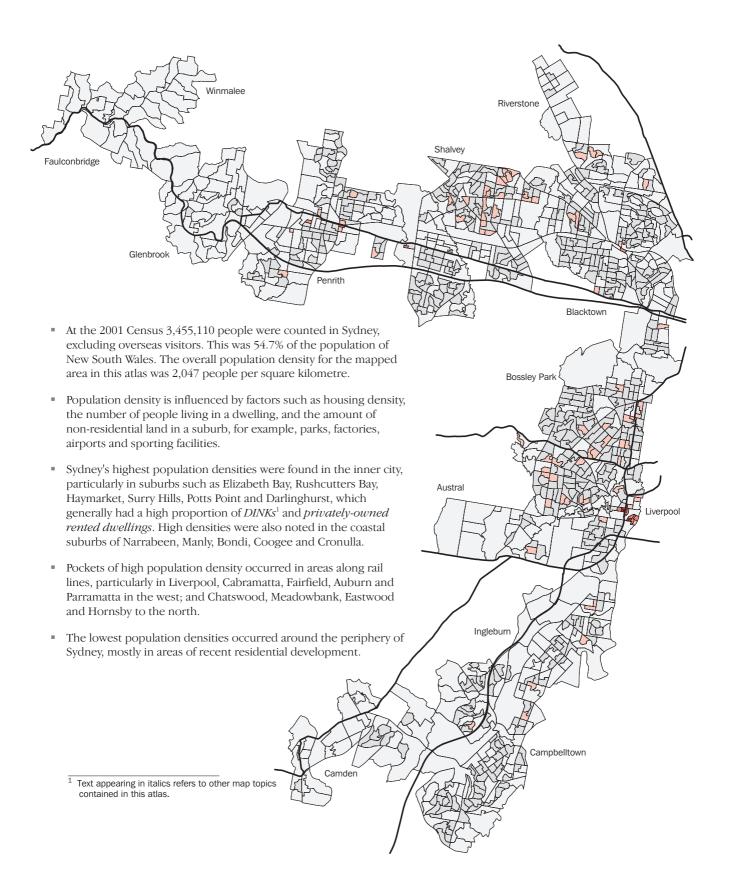
<sup>&</sup>lt;sup>1</sup> T. Dalenius & J. L. Hodges, Jr, 'Minimum variance stratification', Journal of the American Statistical Association, vol. 54, 1959, pp. 88–101.

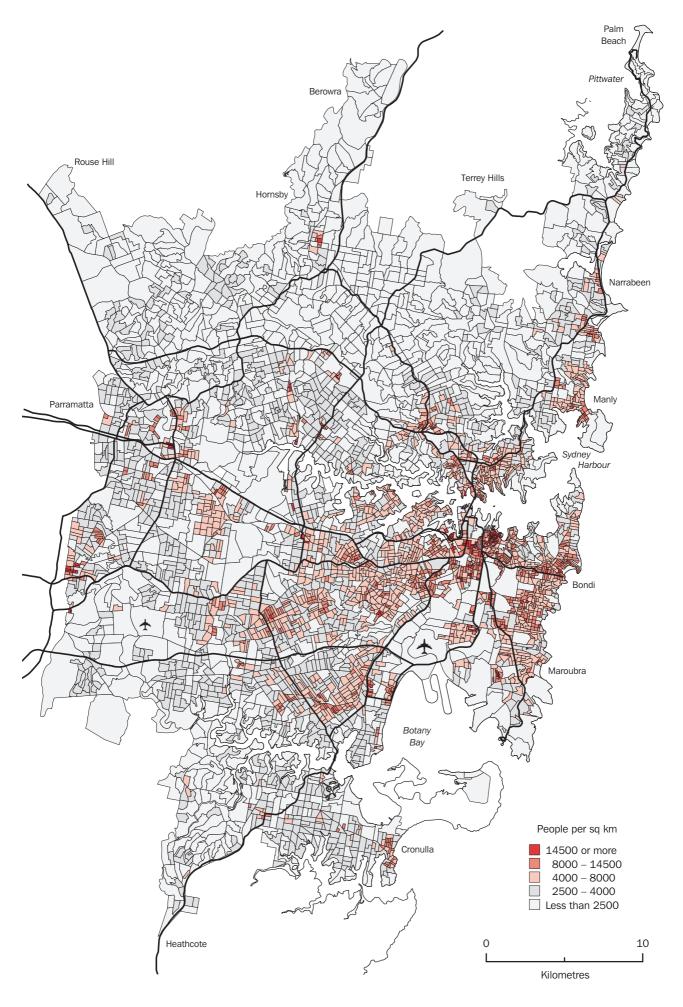
#### COMPARABILITY WITH 1996 ATLAS

Birthplace	For the 2001 Census, birthplace was classified to the new Standard Australian
	Classification of Countries (SACC) (cat. no. 1269.0). In the 1996 Census, the Australian
	Standard Classification of Countries for Social Statistics (ASCCSS) (cat.no. 1269.0) was
	used. This change in classification has had no impact on the data aggregated for
	inclusion in this atlas.
Qualifications	For the 2001 Census, qualifications data were coded to the new Australian Standard
	Classification of Education (ASCED) (cat. no. 1272.0) which replaces the ABS
	Classification of Qualifications (ABSCQ) (cat. no. 1262.0) used for the 1996 Census.
	The new classification includes non-school qualifications such as Certificate Level
	qualifications which may be attained while the person is still attending school.

#### **Population density**

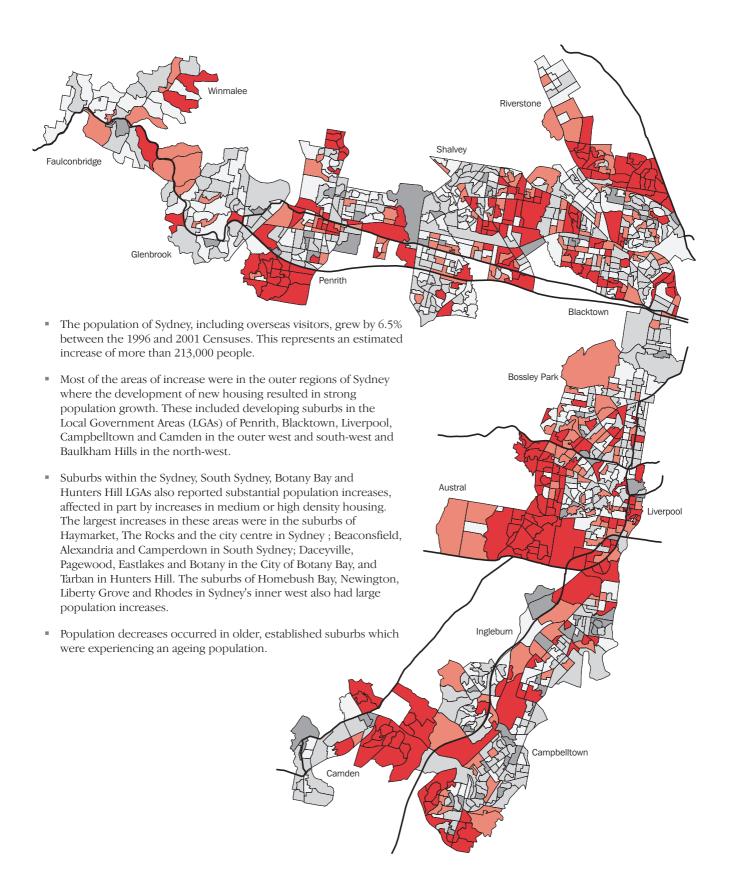
Number of people per square kilometre

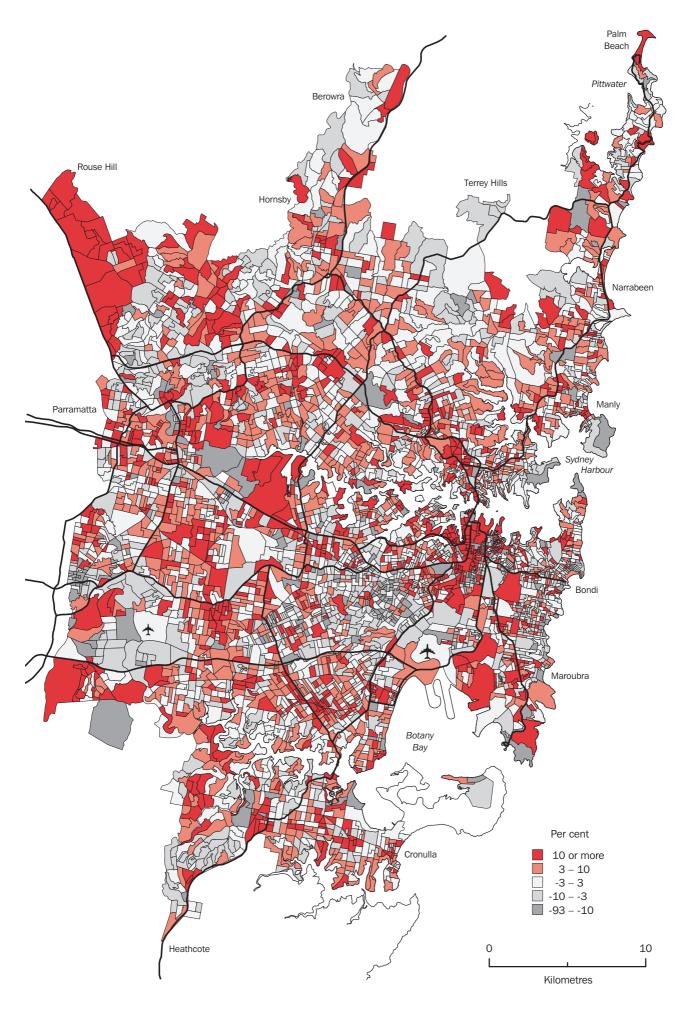




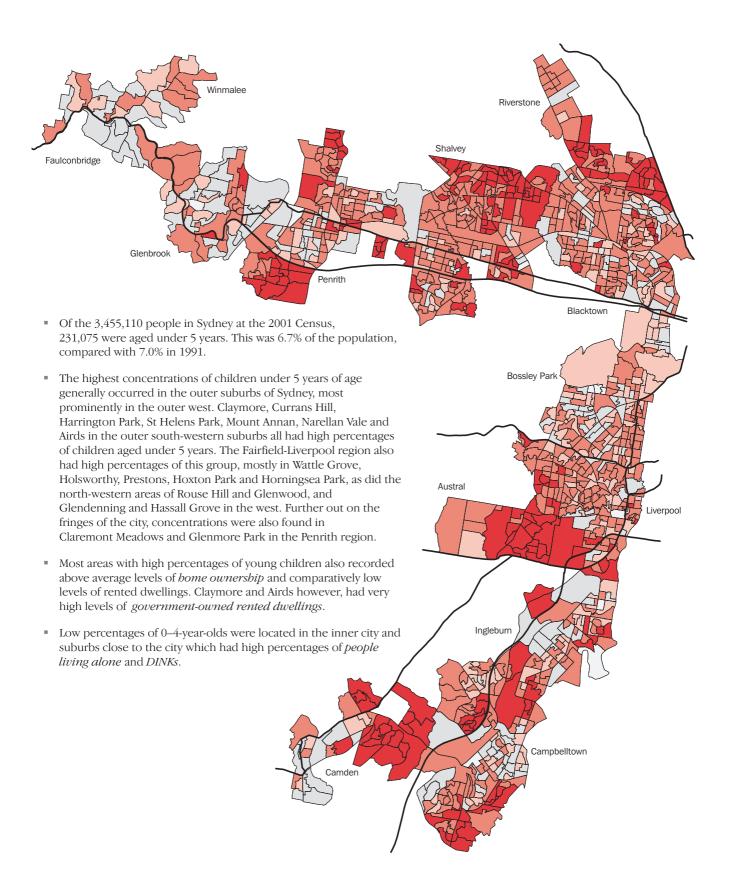
#### **Population change**

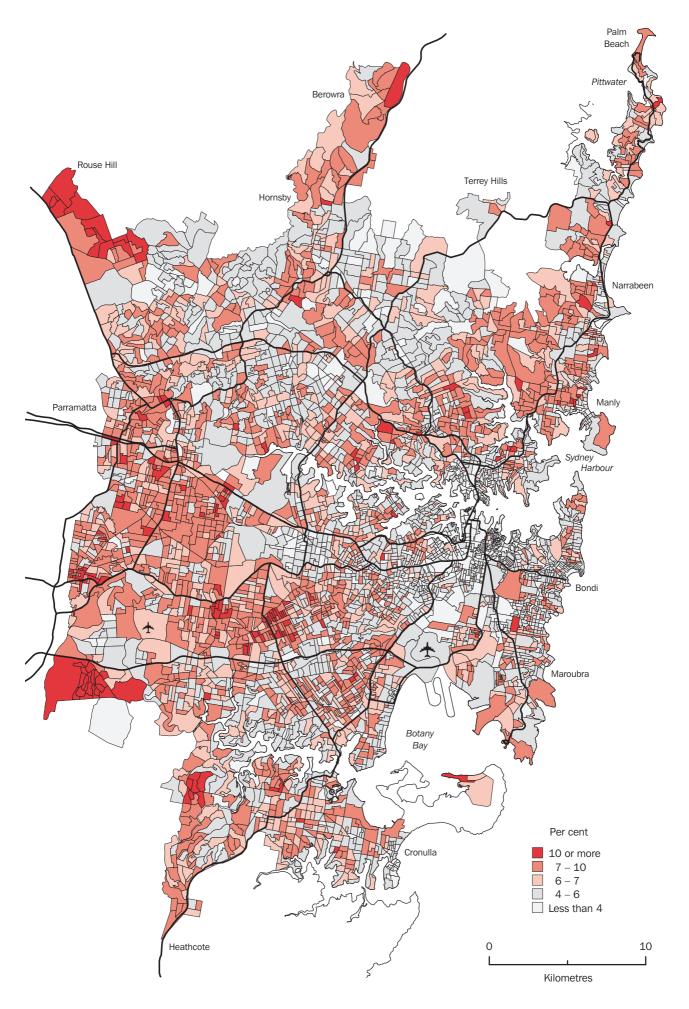
Percentage change in population between the 1996 and 2001 Censuses



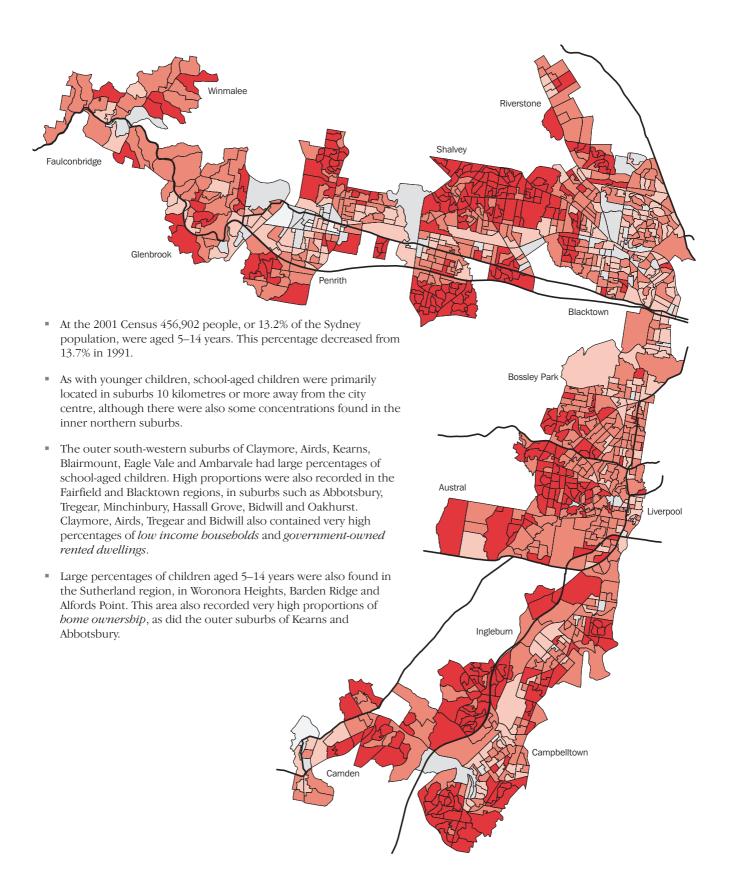


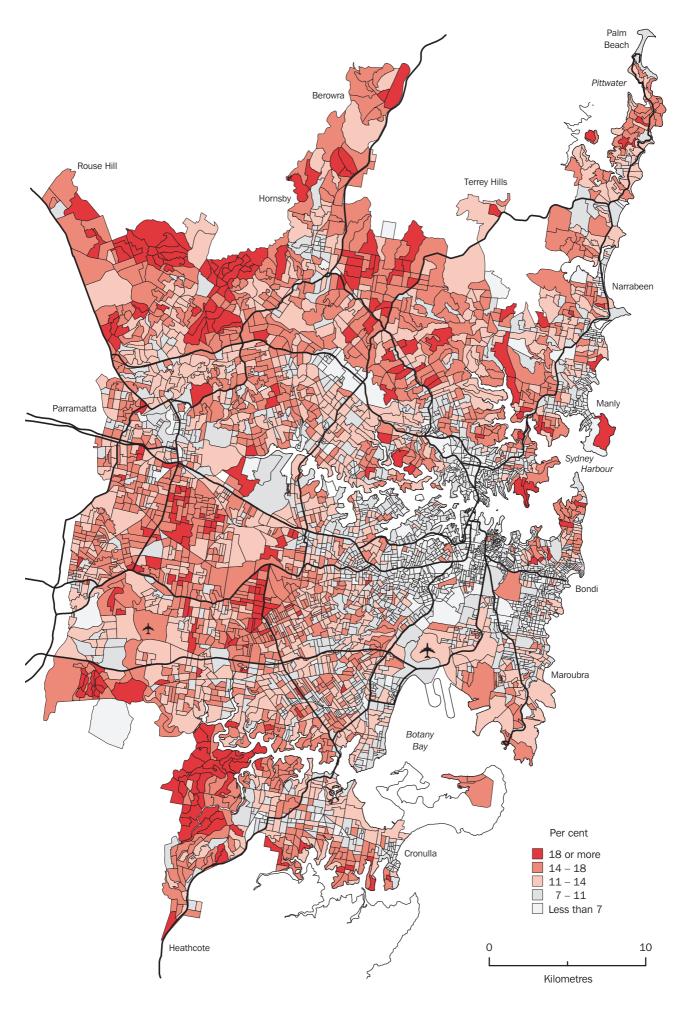
#### People aged 0-4 years



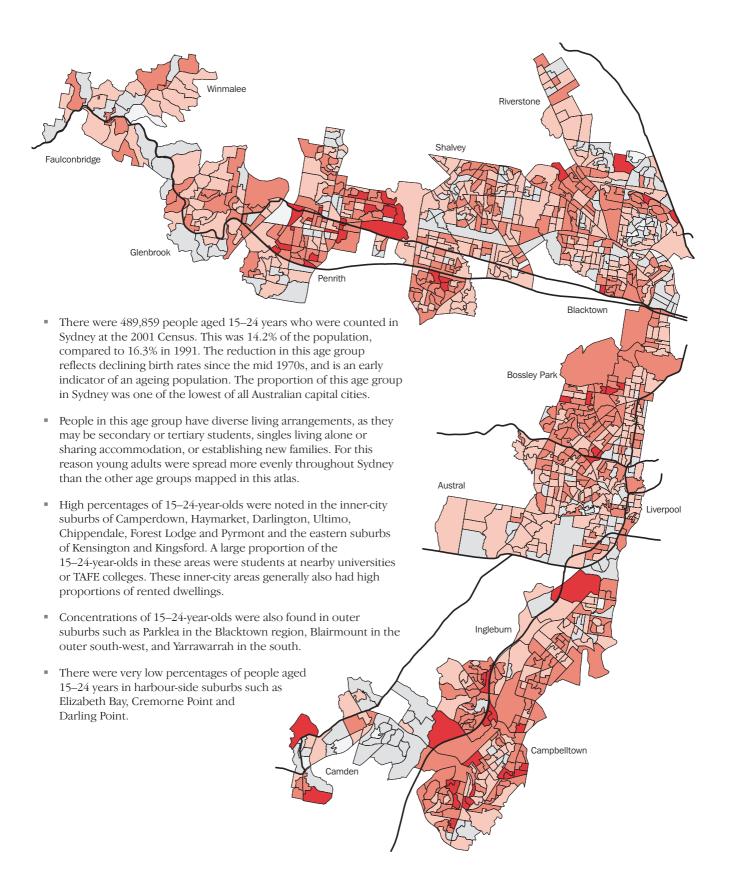


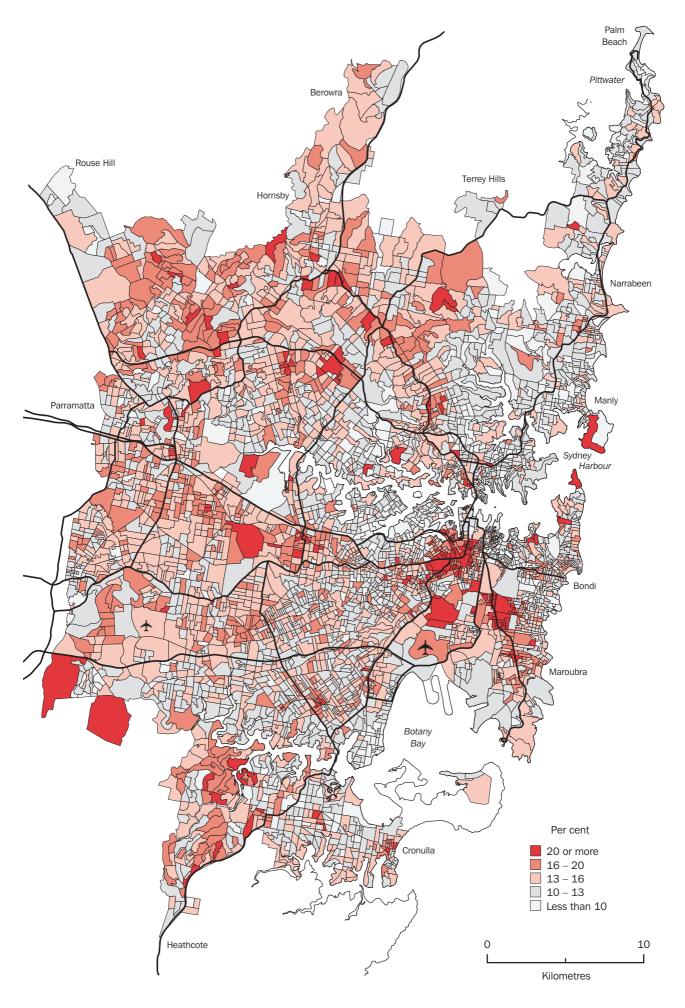
#### People aged 5–14 years



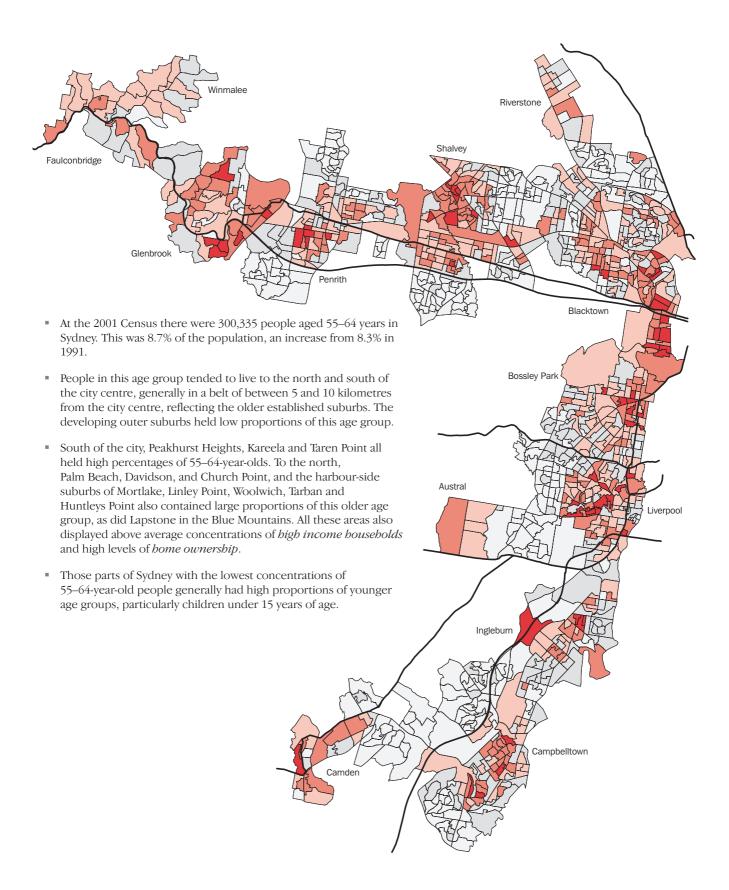


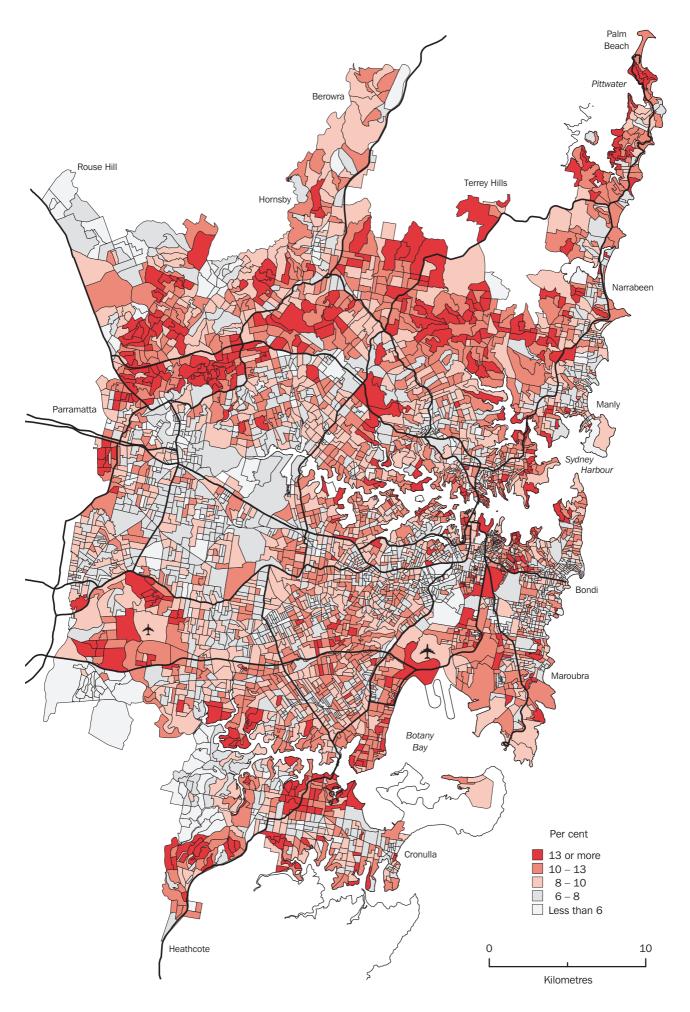
#### People aged 15-24 years



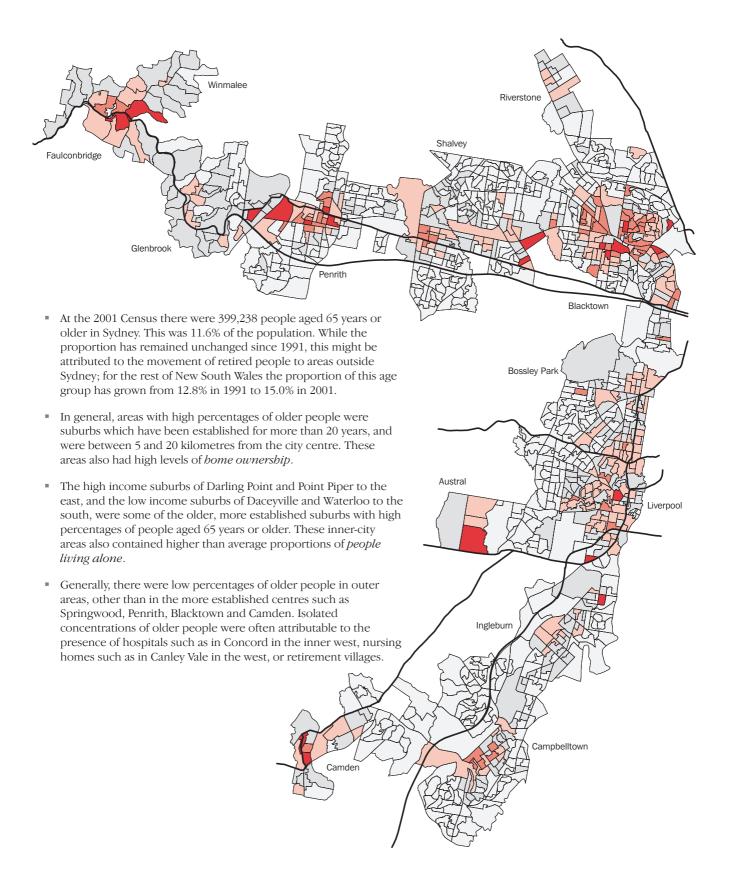


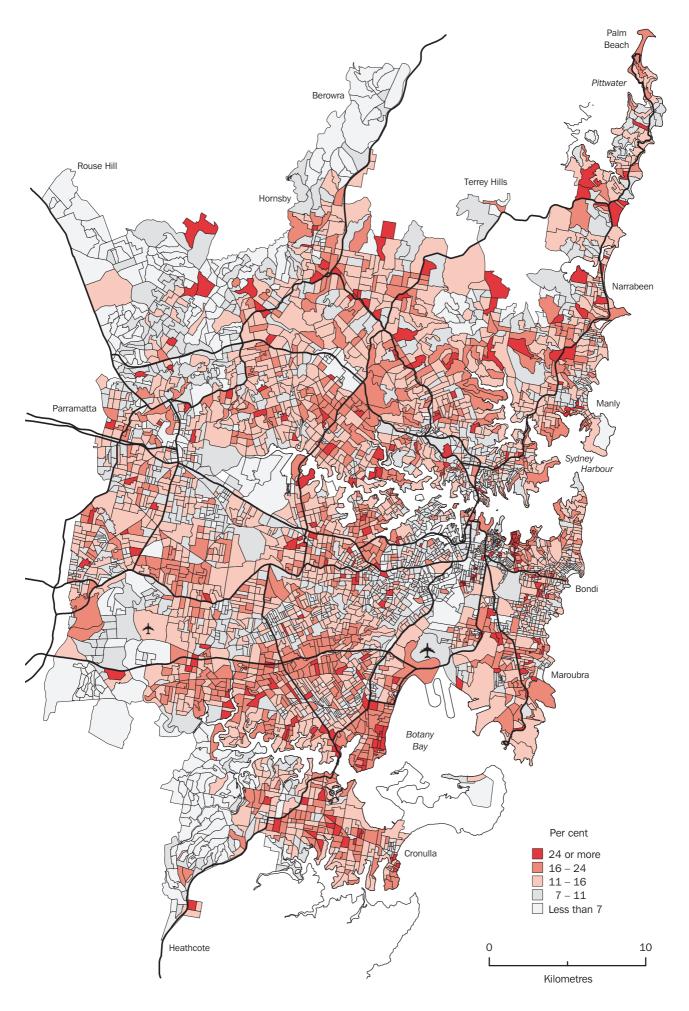
#### People aged 55-64 years



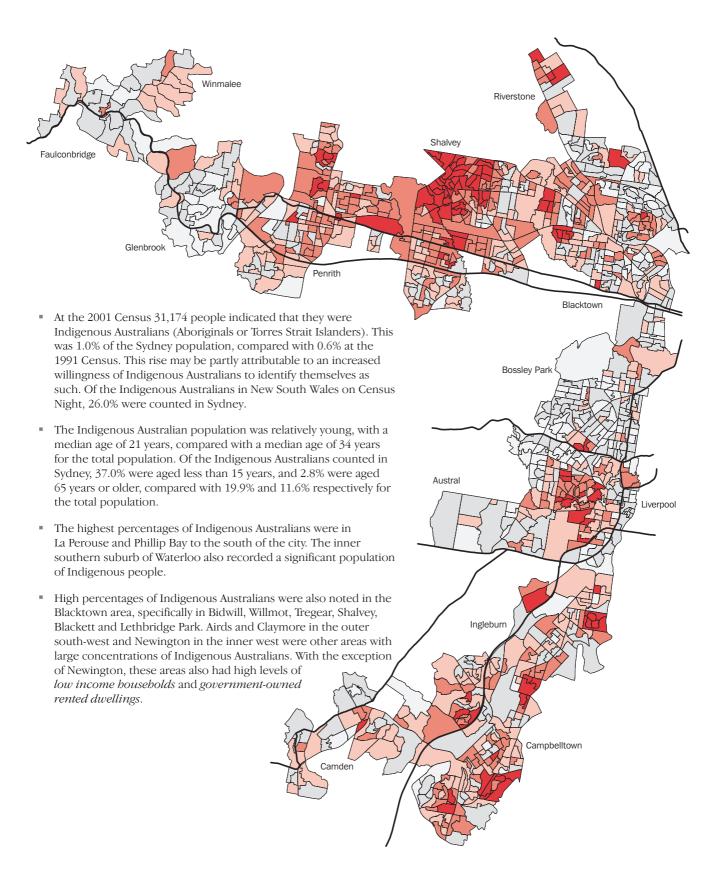


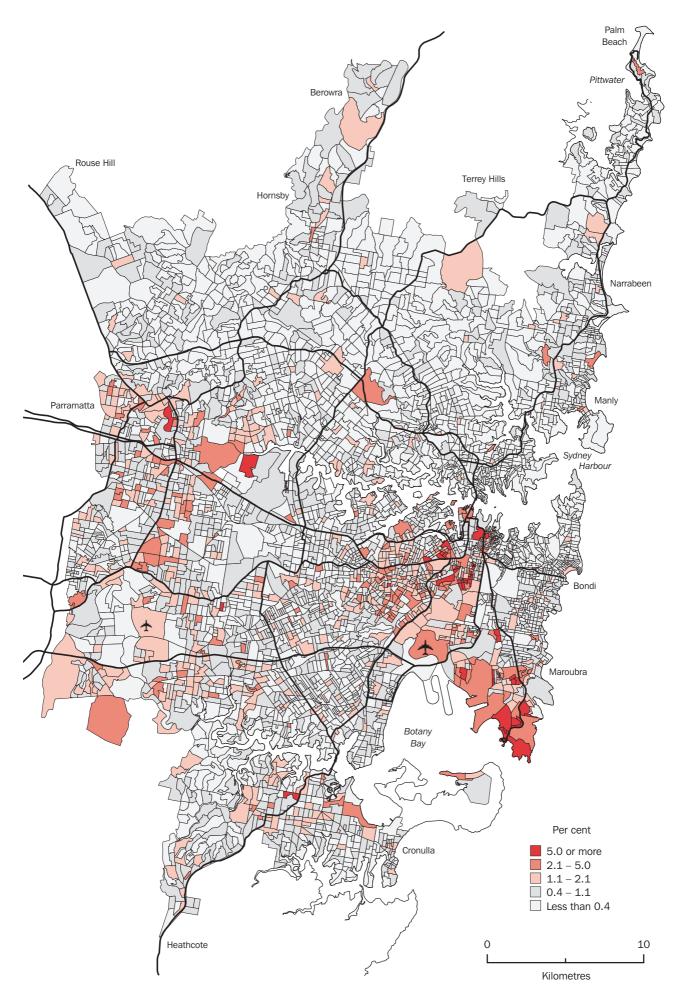
#### People aged 65 years or older



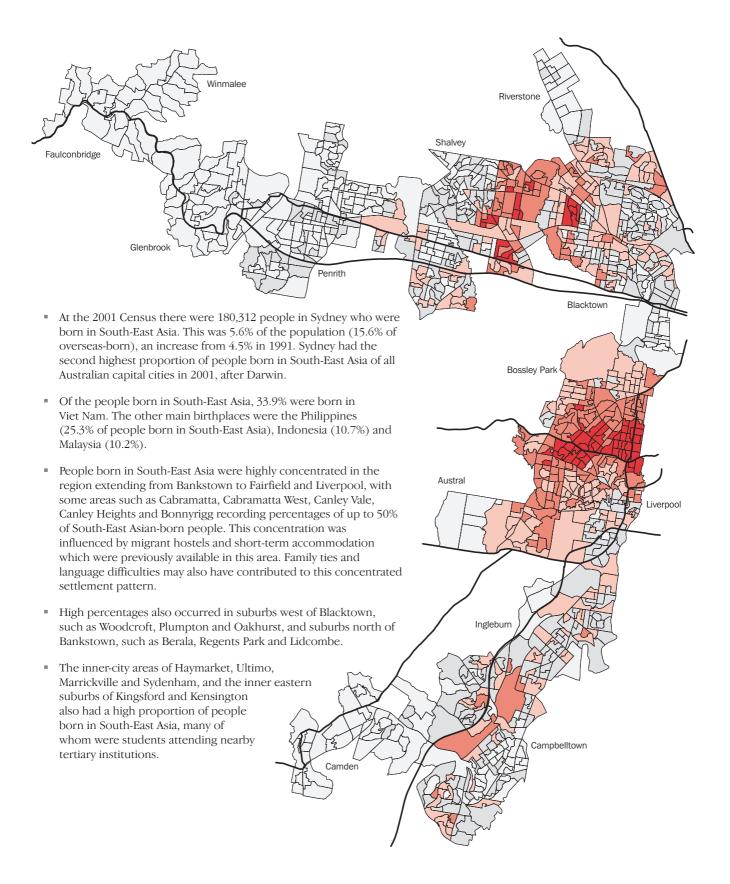


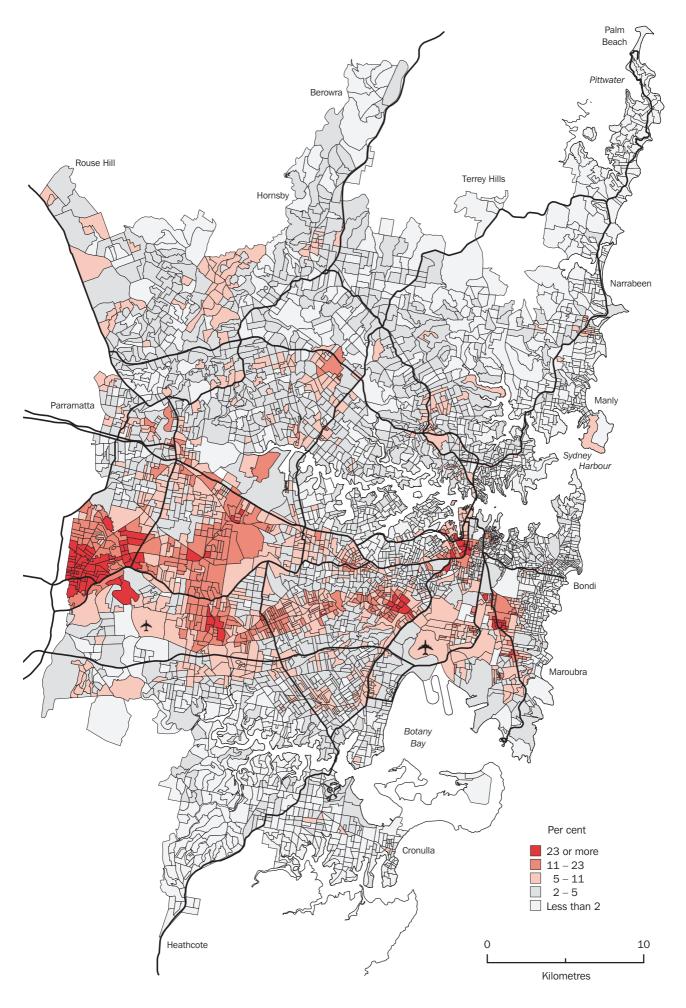
#### **Indigenous Australians**





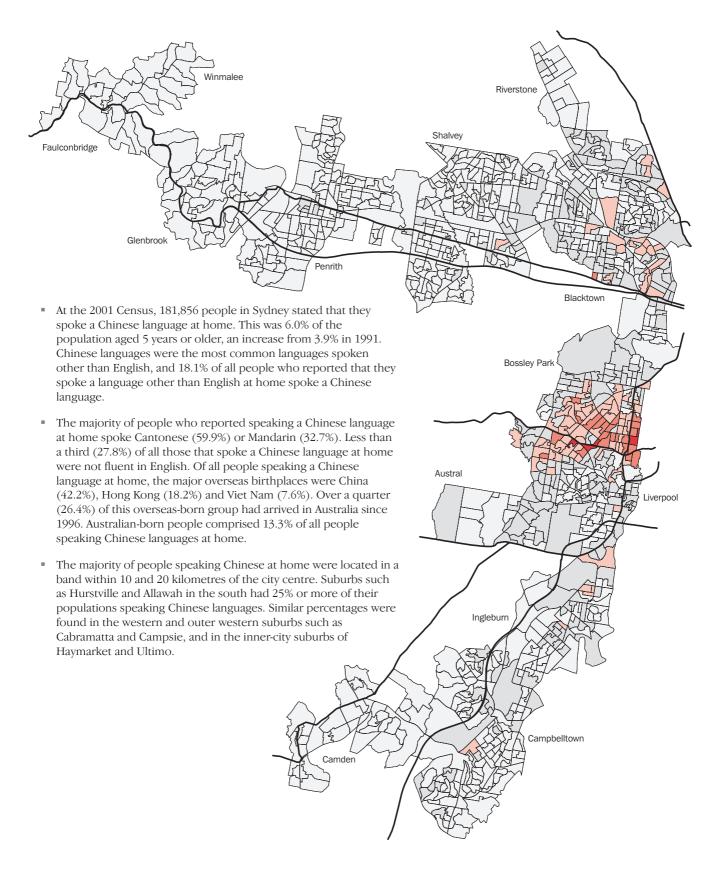
#### **People born in South-East Asia**

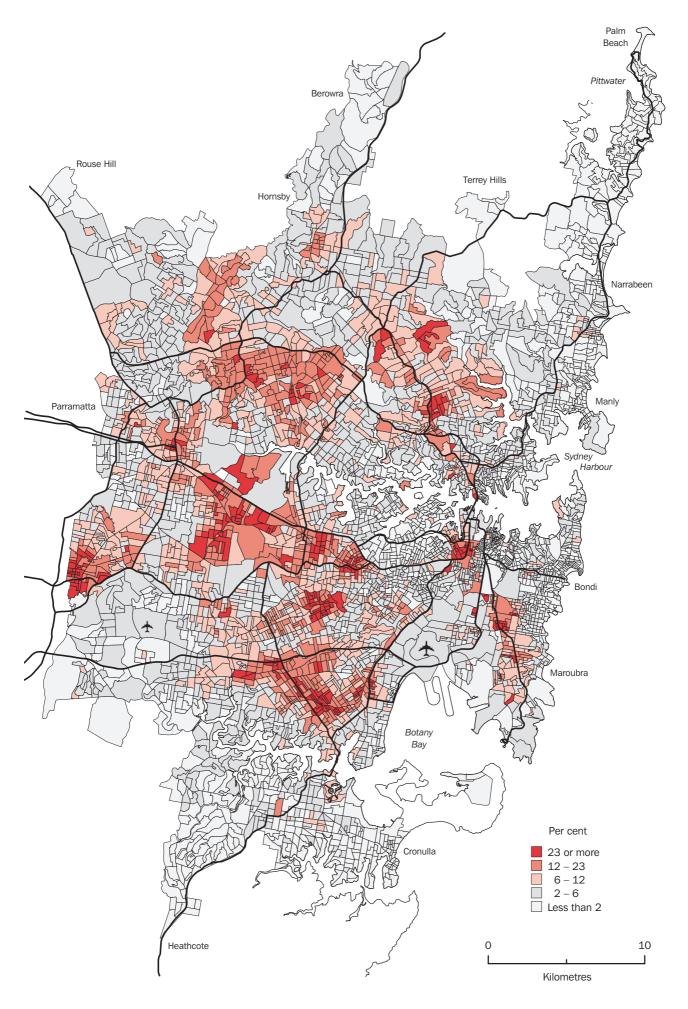




#### **People speaking Chinese languages**

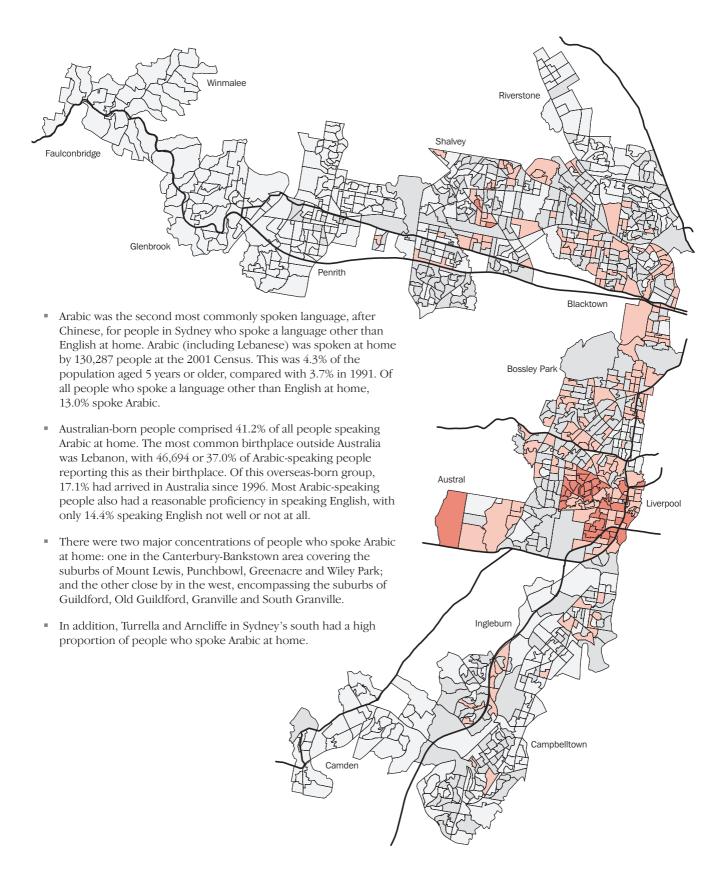
As a percentage of all people aged 5 years or older

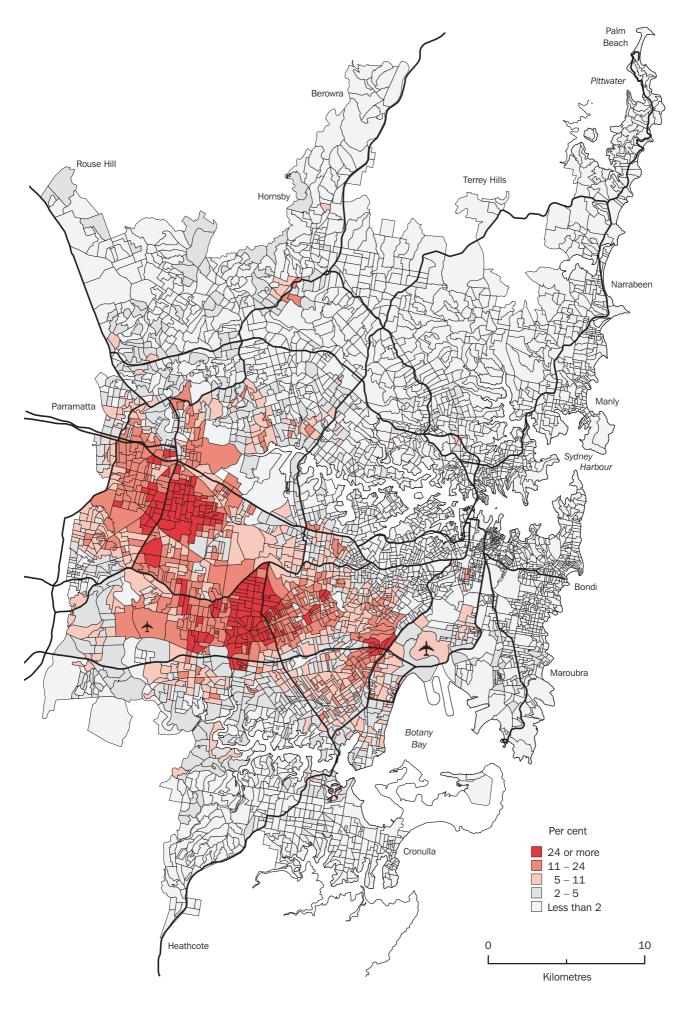




#### People speaking Arabic (including Lebanese)

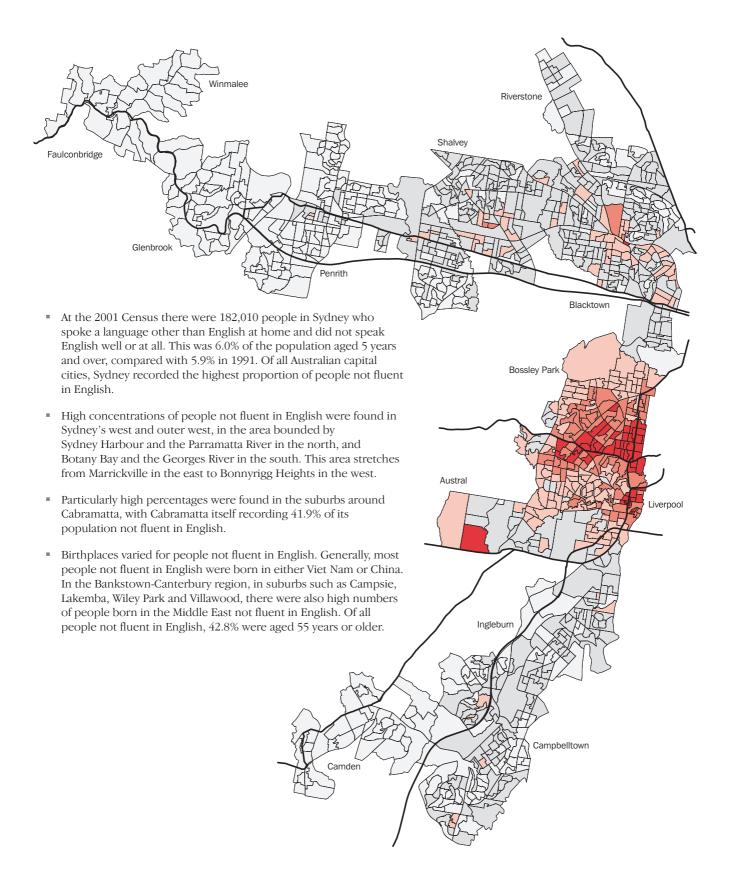
As a percentage of all people aged 5 years or older

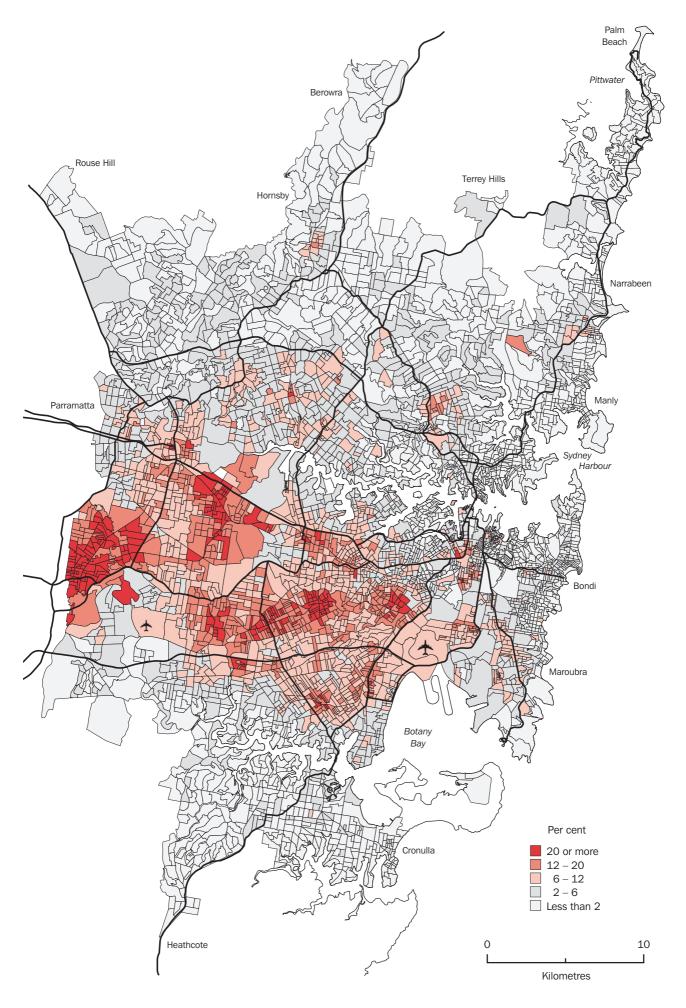




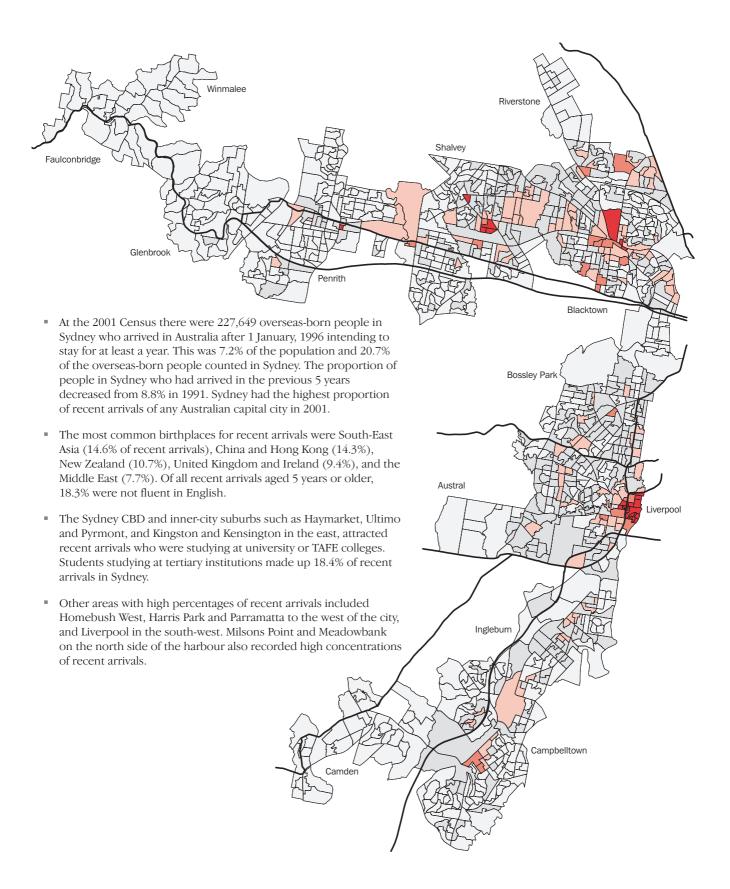
#### **People not fluent in English**

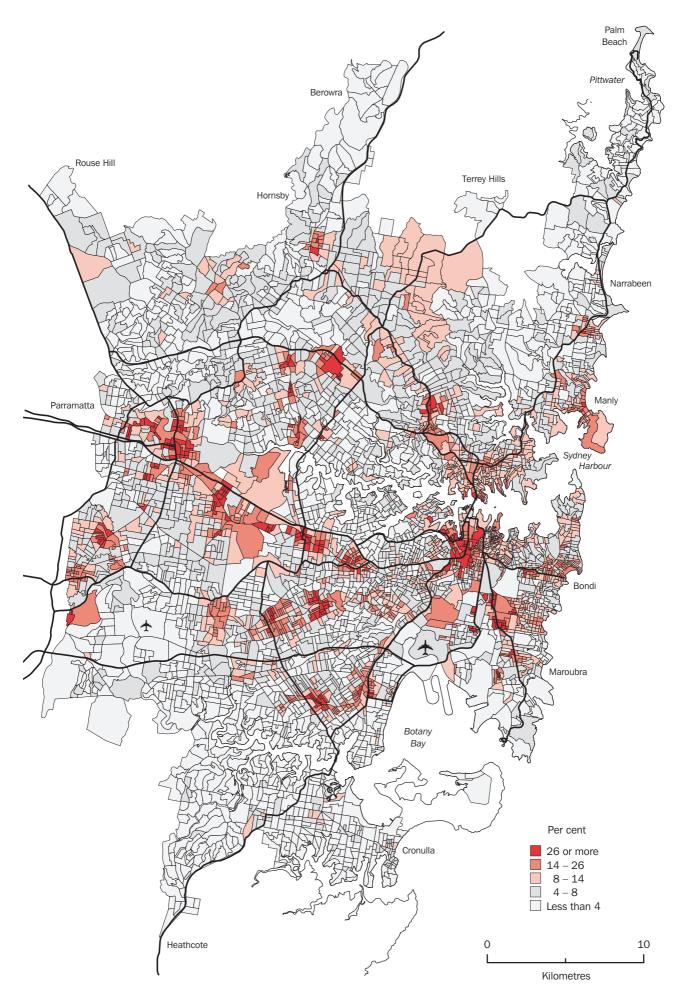
People who did not speak English well or at all as a percentage of all people aged 5 years or older





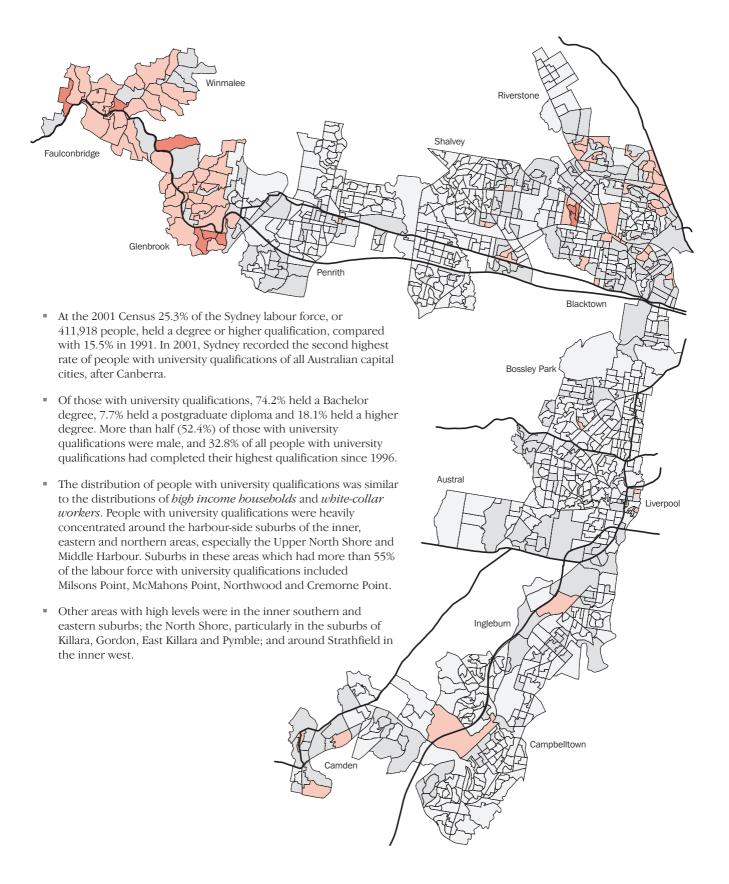
#### **Recent arrivals**

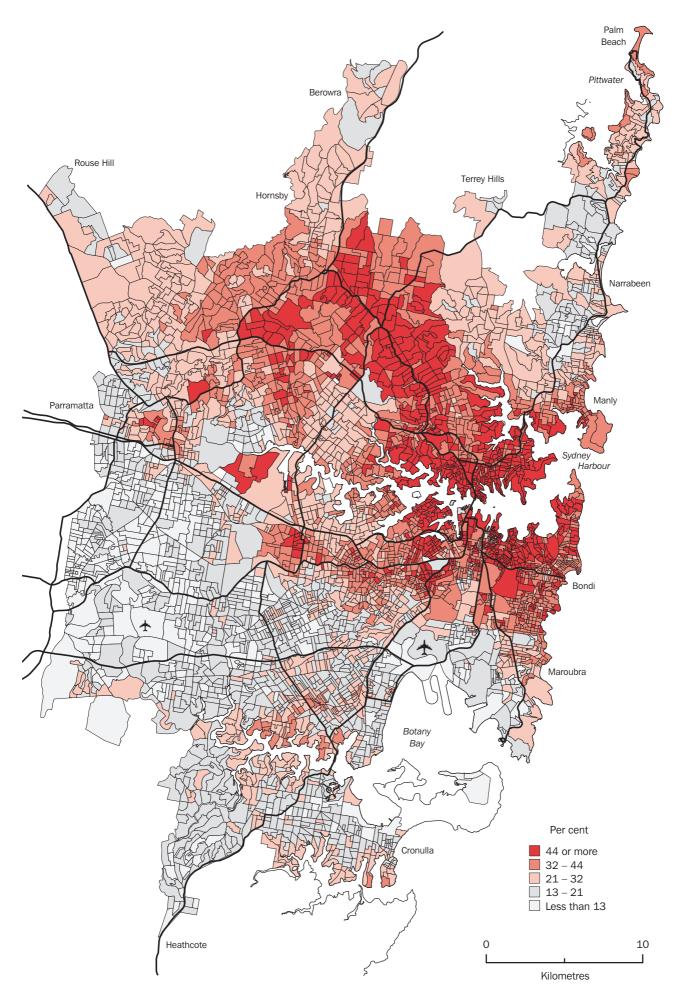




#### People with university qualifications

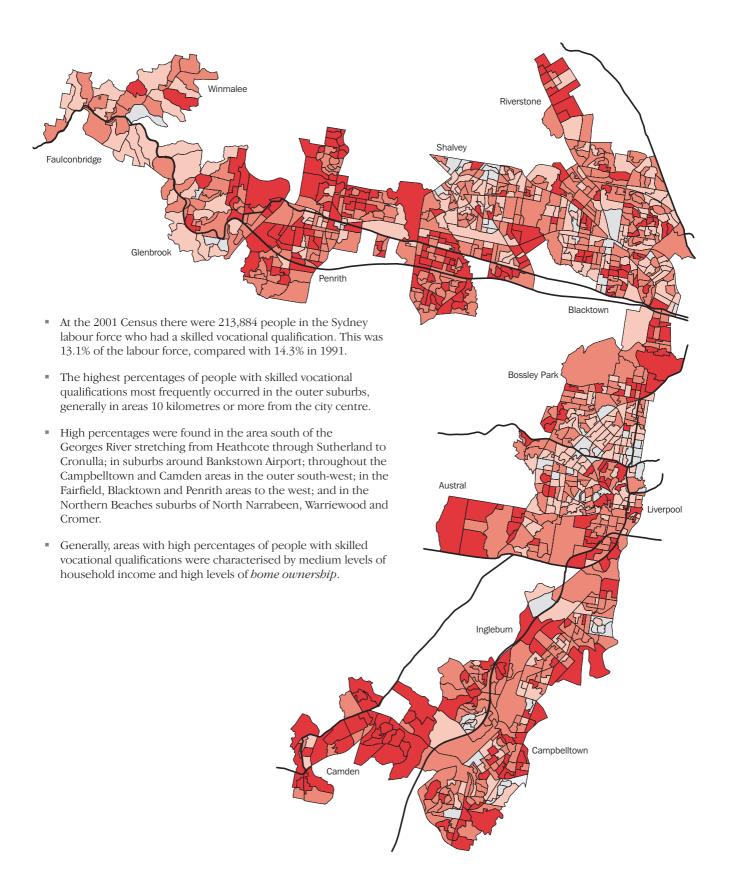
As a percentage of the labour force

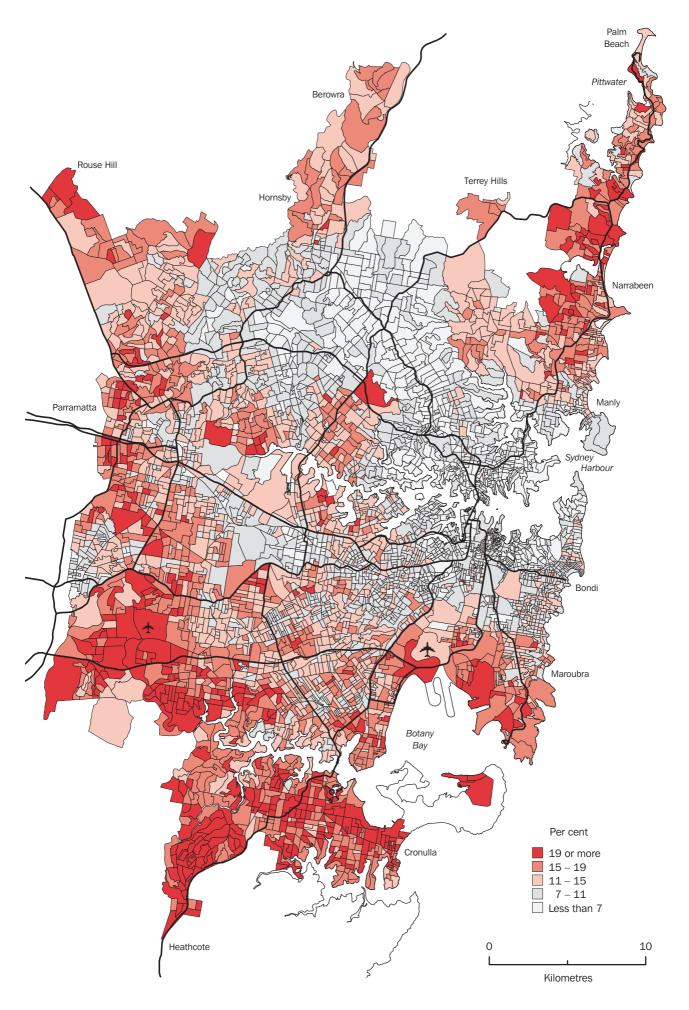




# People with skilled vocational qualifications

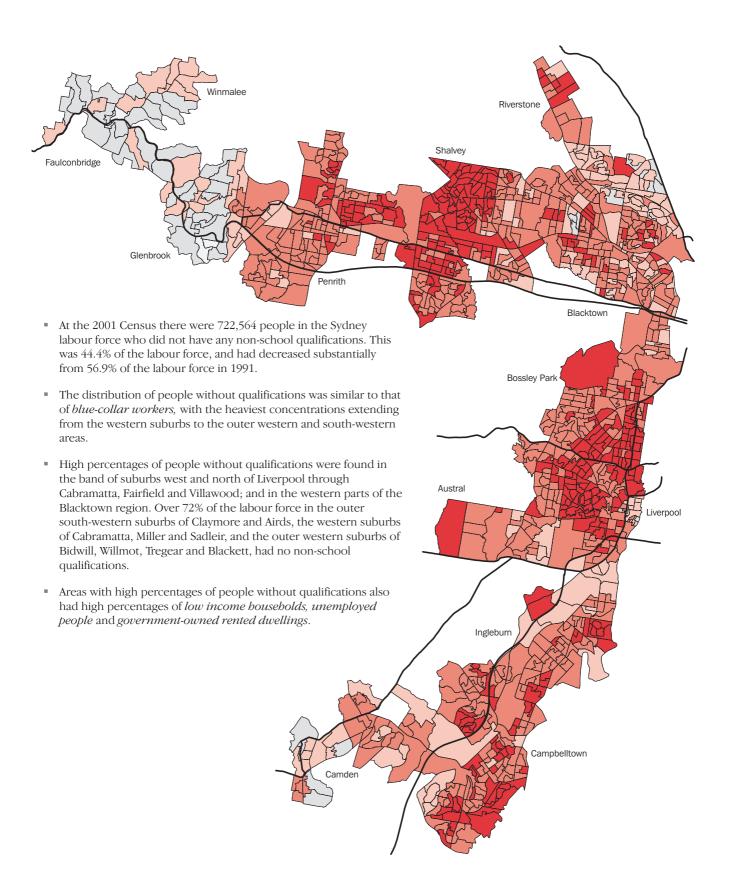
As a percentage of the labour force

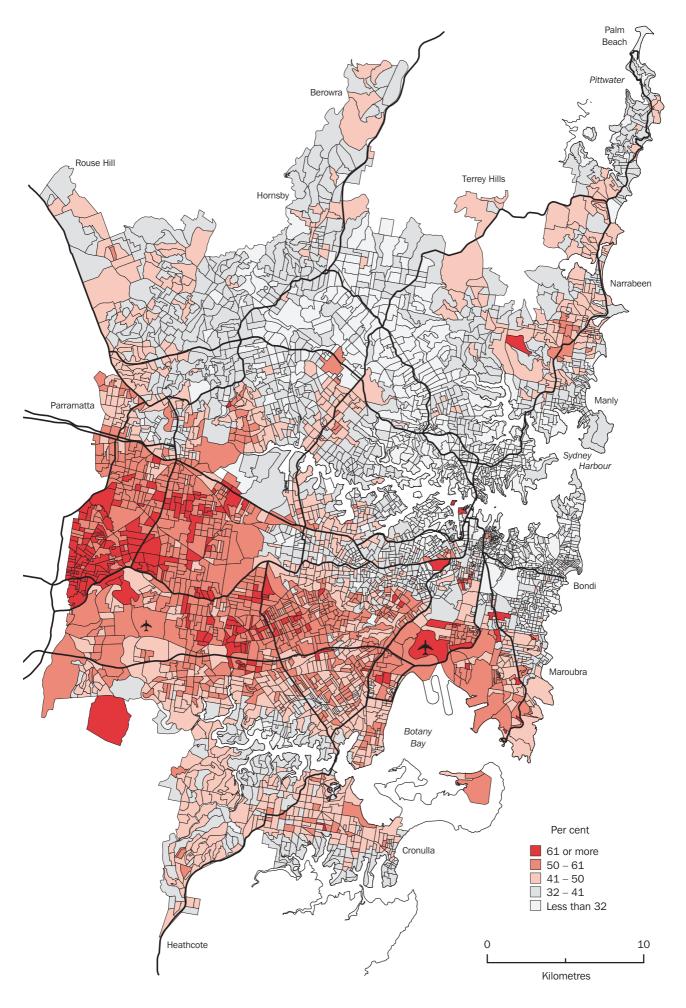




# **People without qualifications**

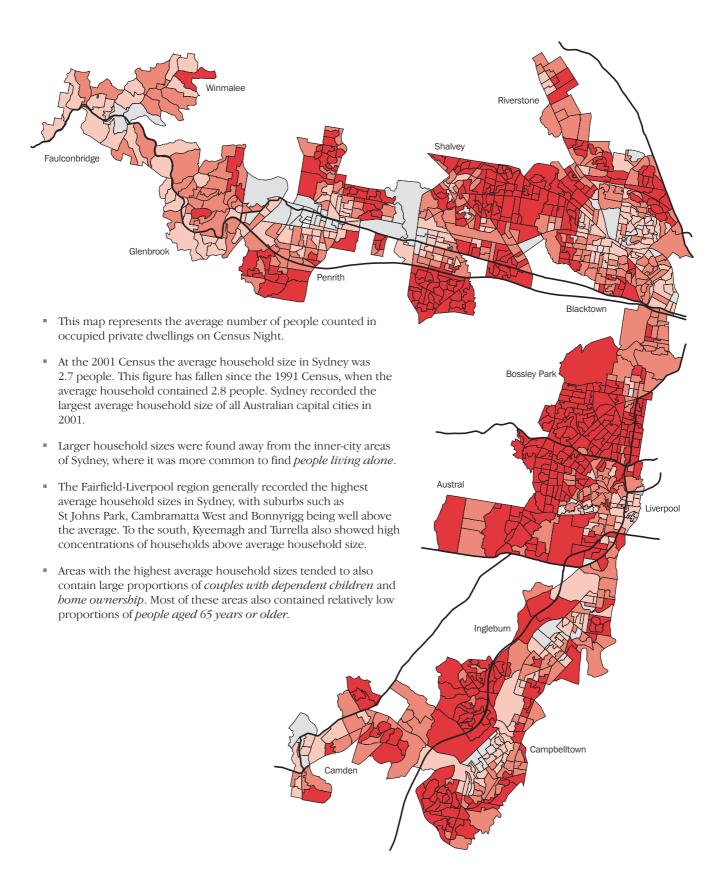
As a percentage of the labour force

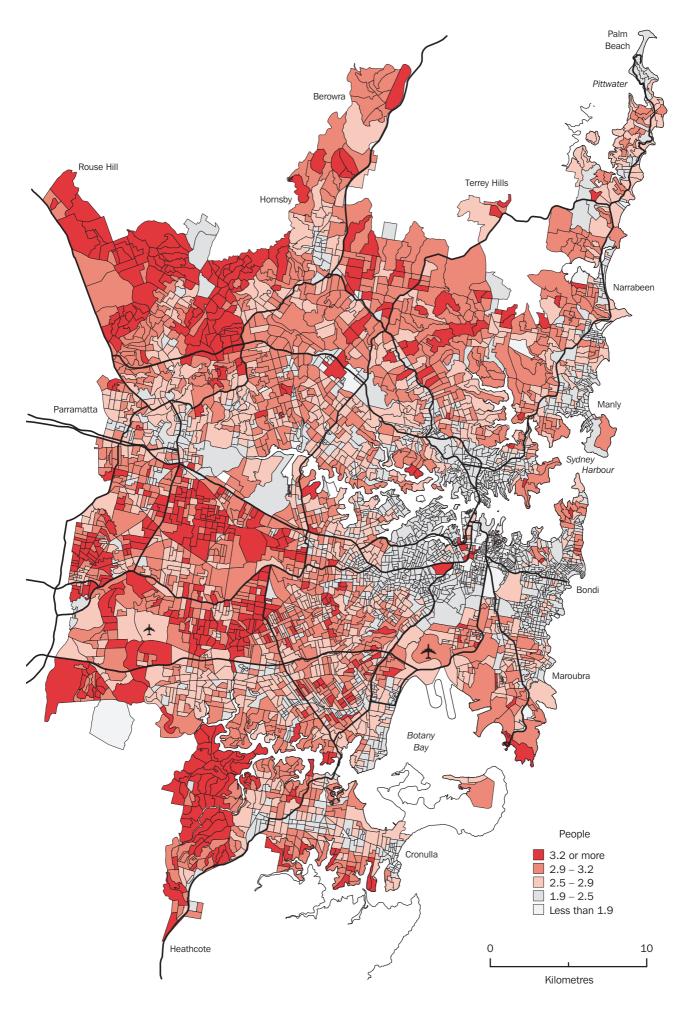




# Average household size

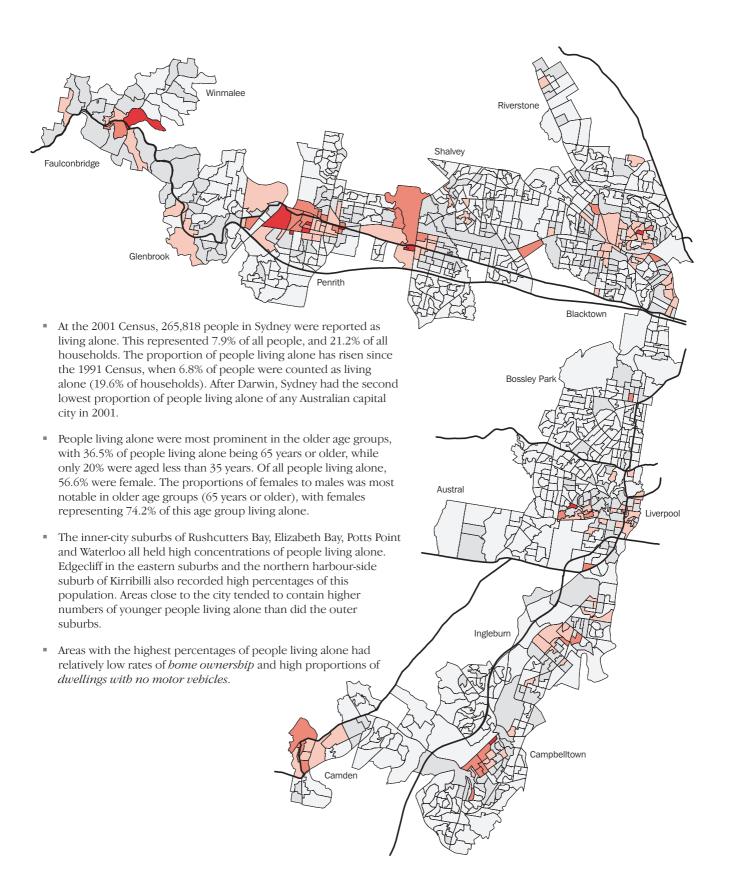
People in occupied private dwellings

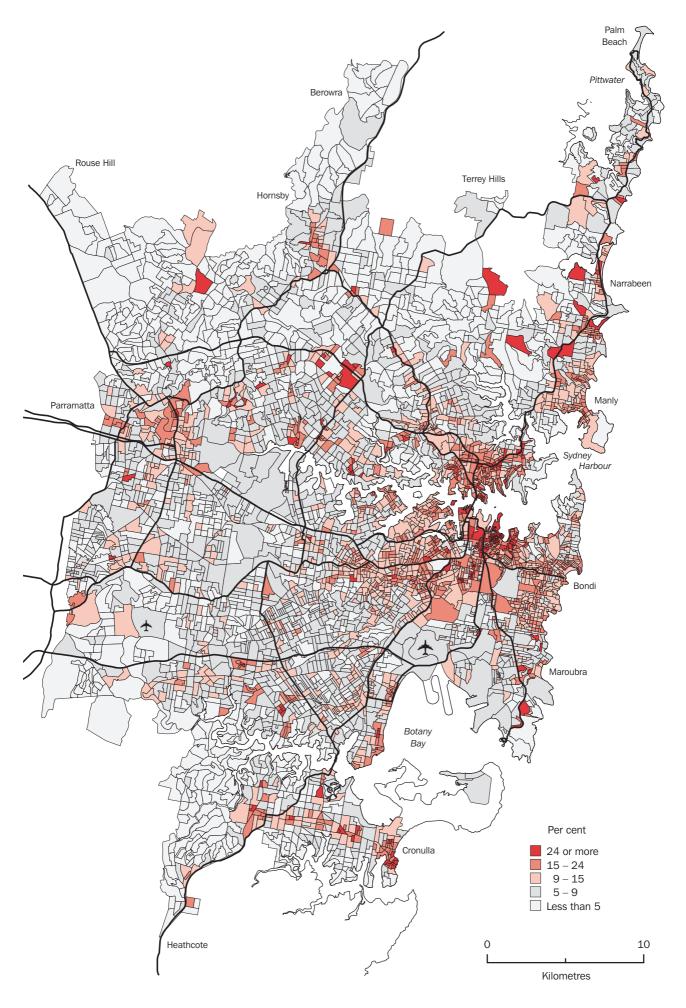




# **People living alone**

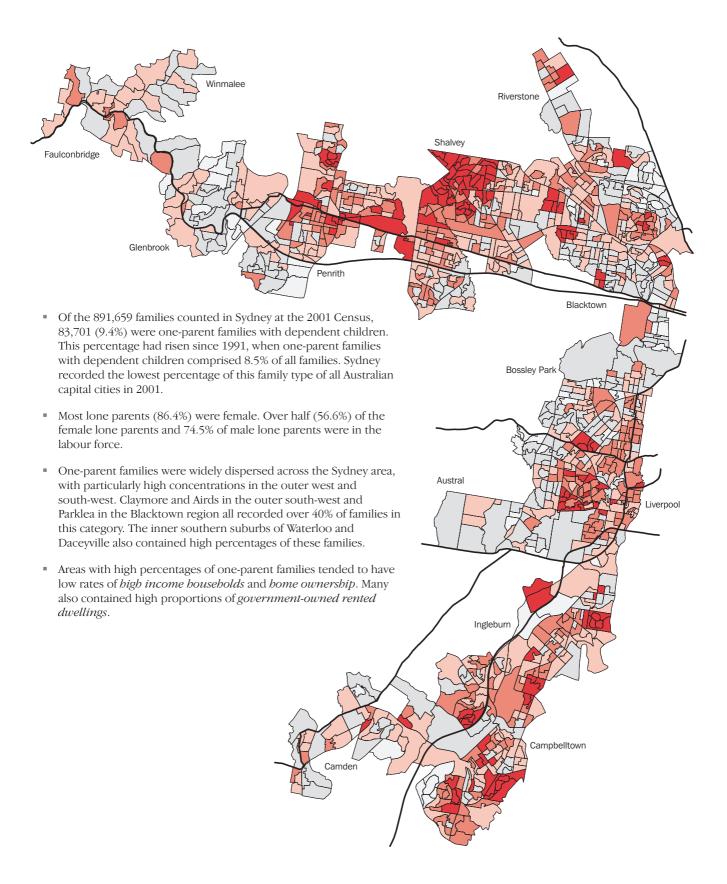
As a percentage of the total population

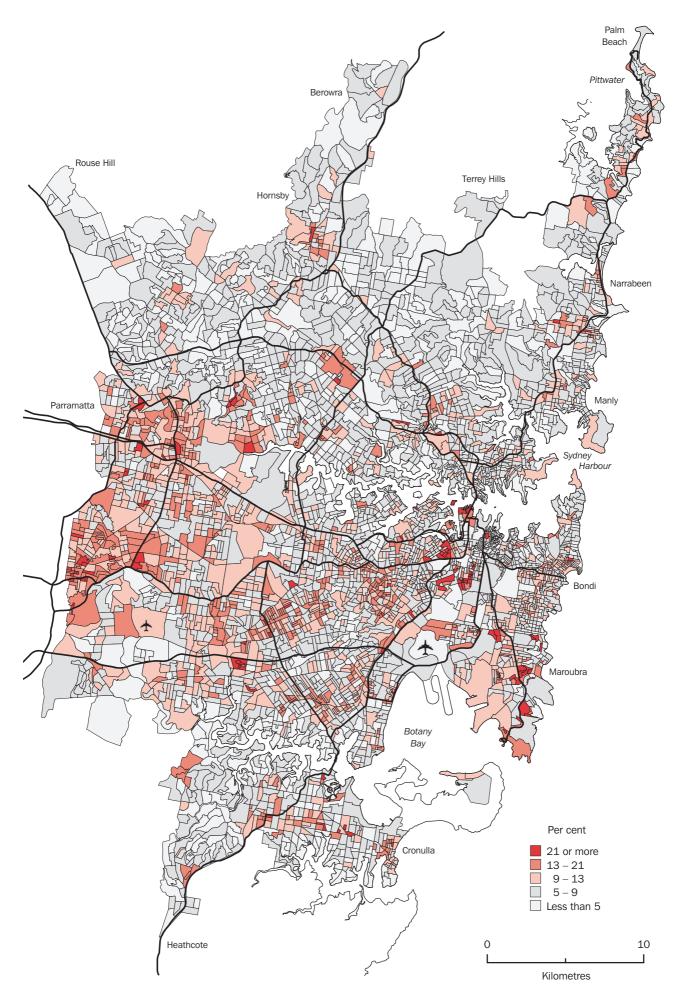




## **One-parent families with dependent children**

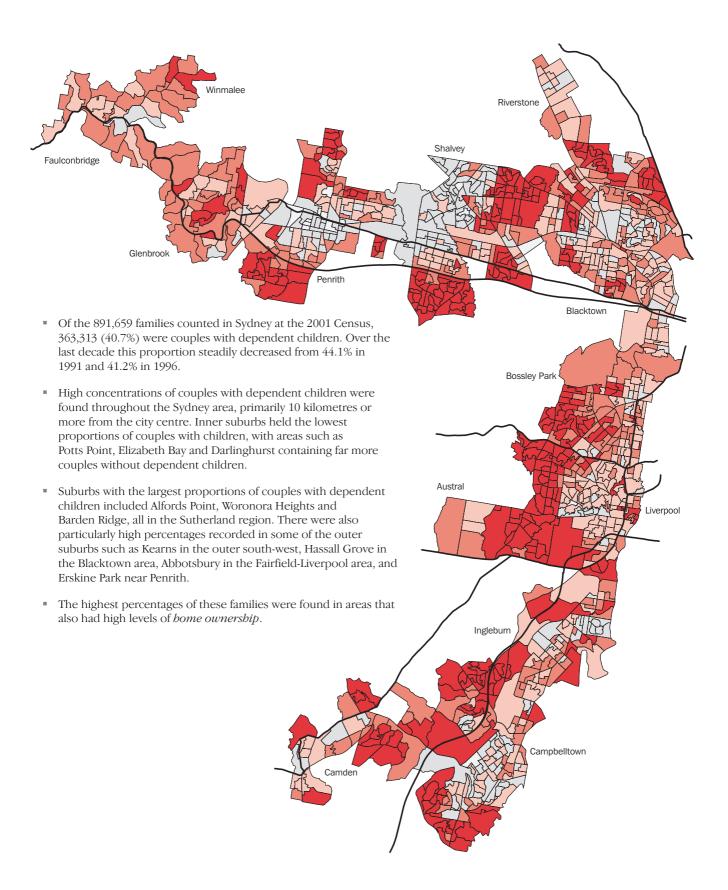
As a percentage of all families

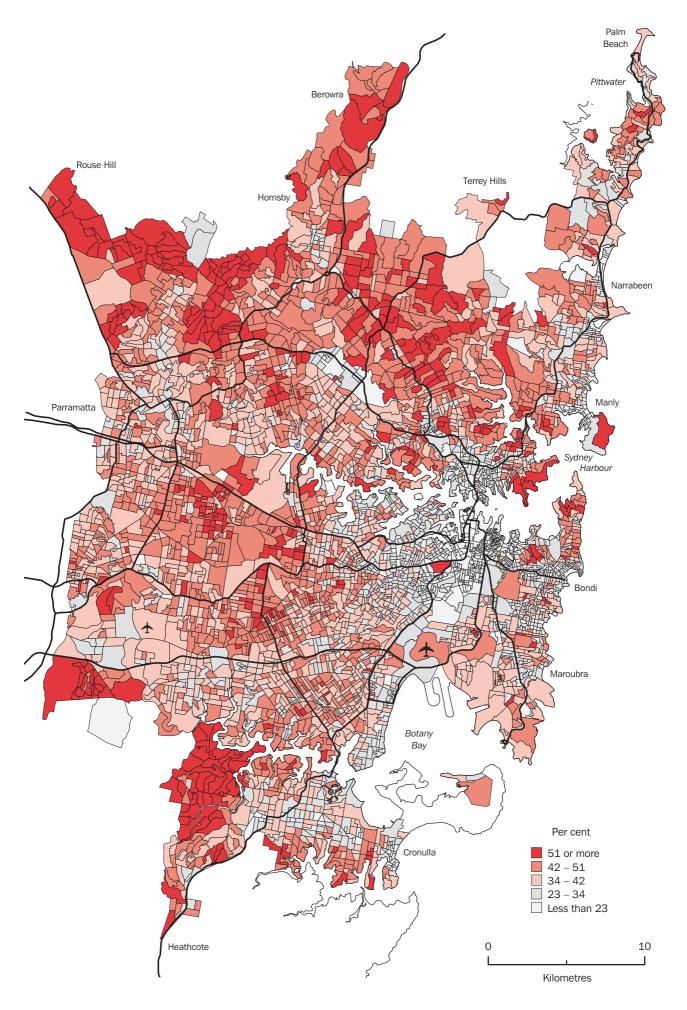




# **Couples with dependent children**

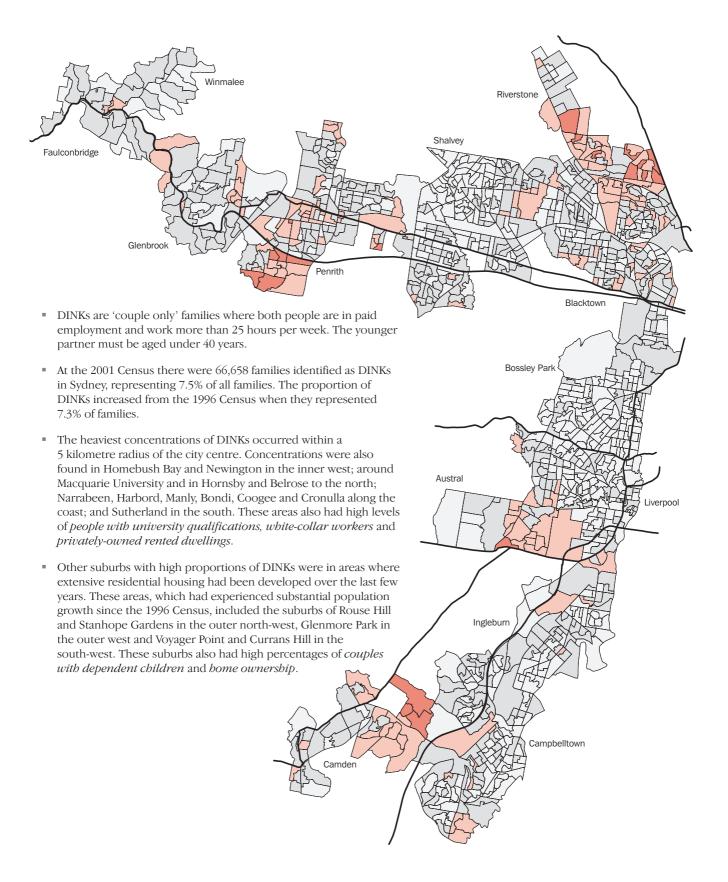
As a percentage of all families

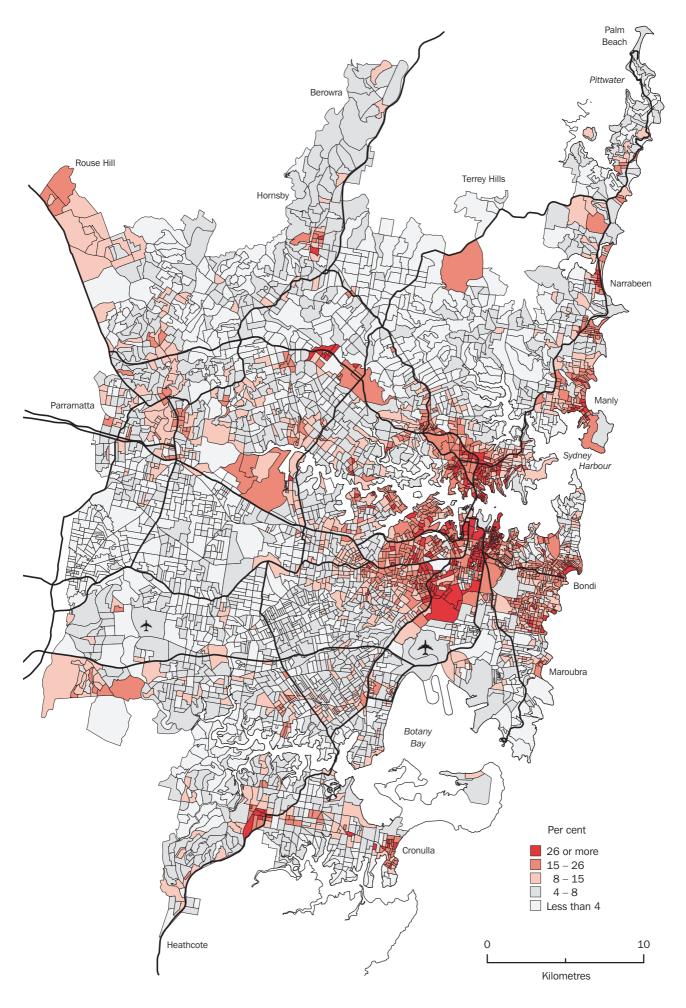




### DINKs (double income, no kids)

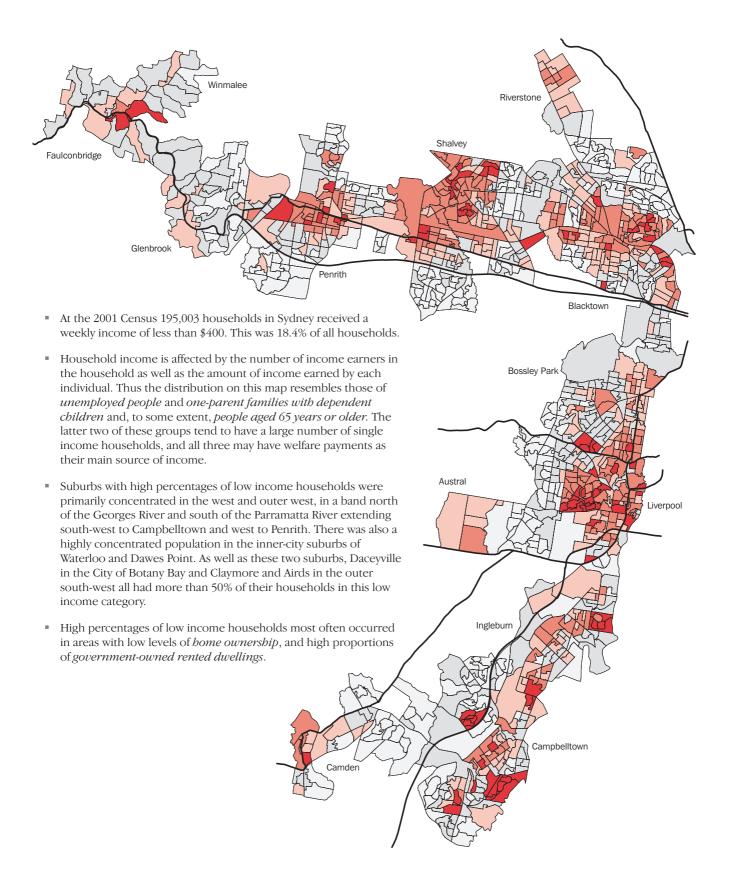
As a percentage of all families

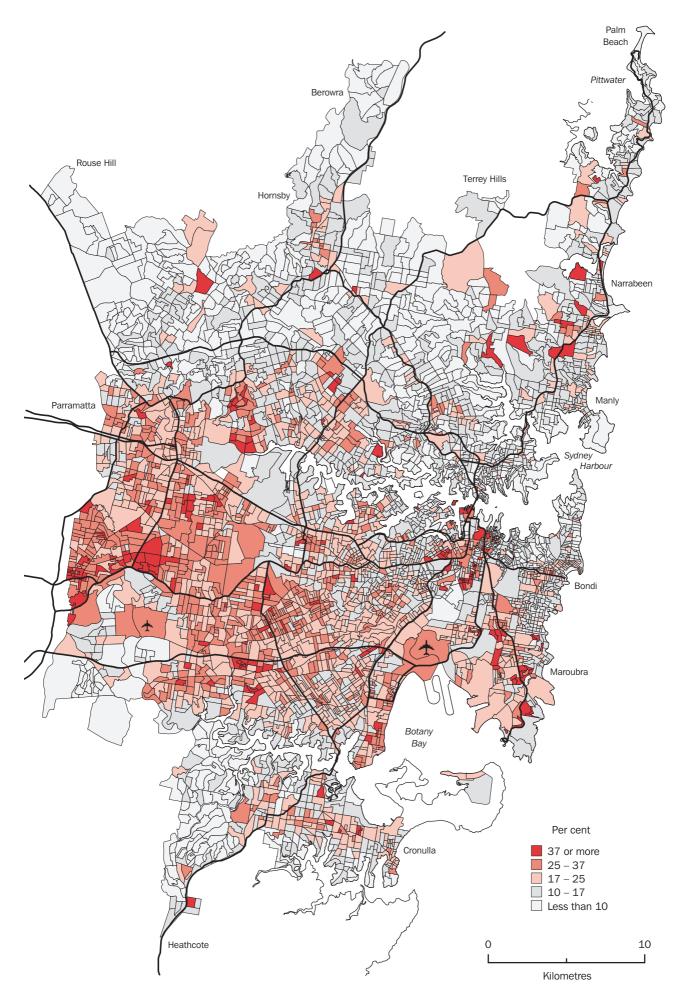




### Low income households

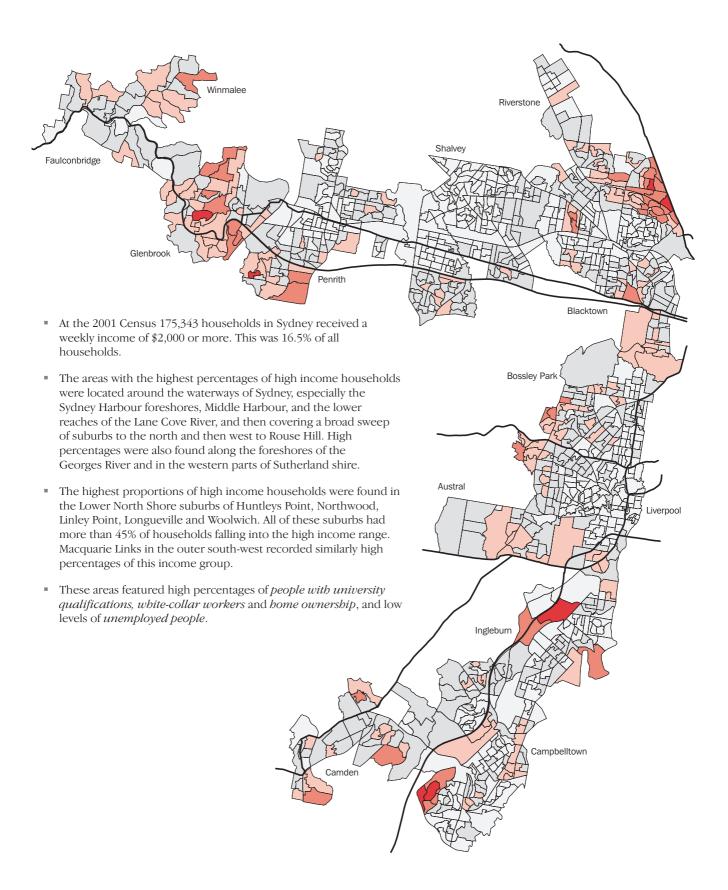
Percentage of households with weekly income under \$400

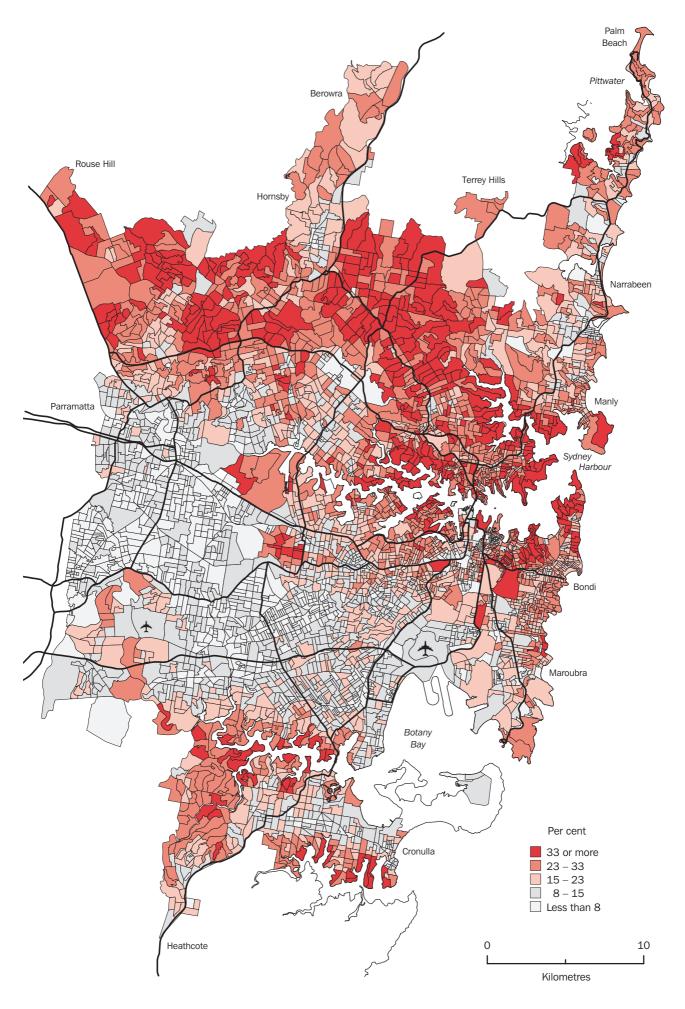




# High income households

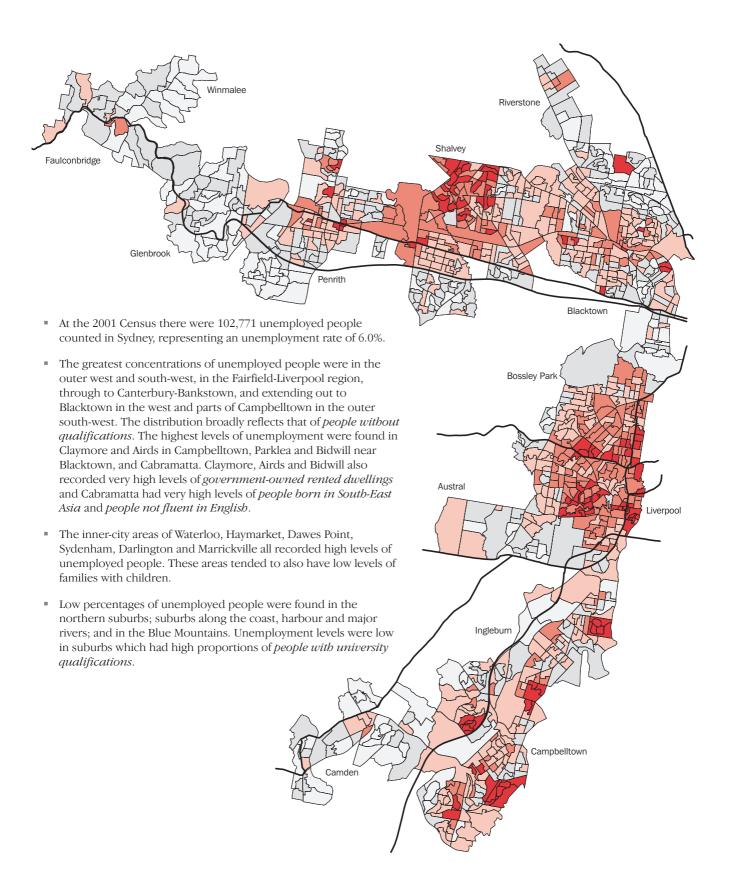
Percentage of households with weekly income of \$2,000 or more

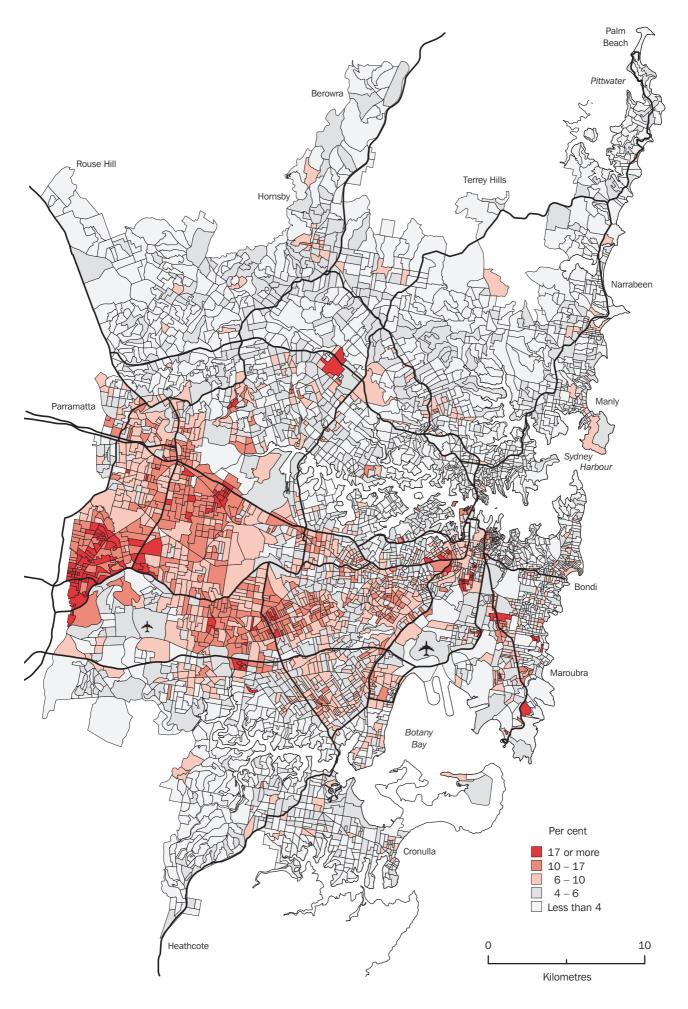




# **Unemployed people**

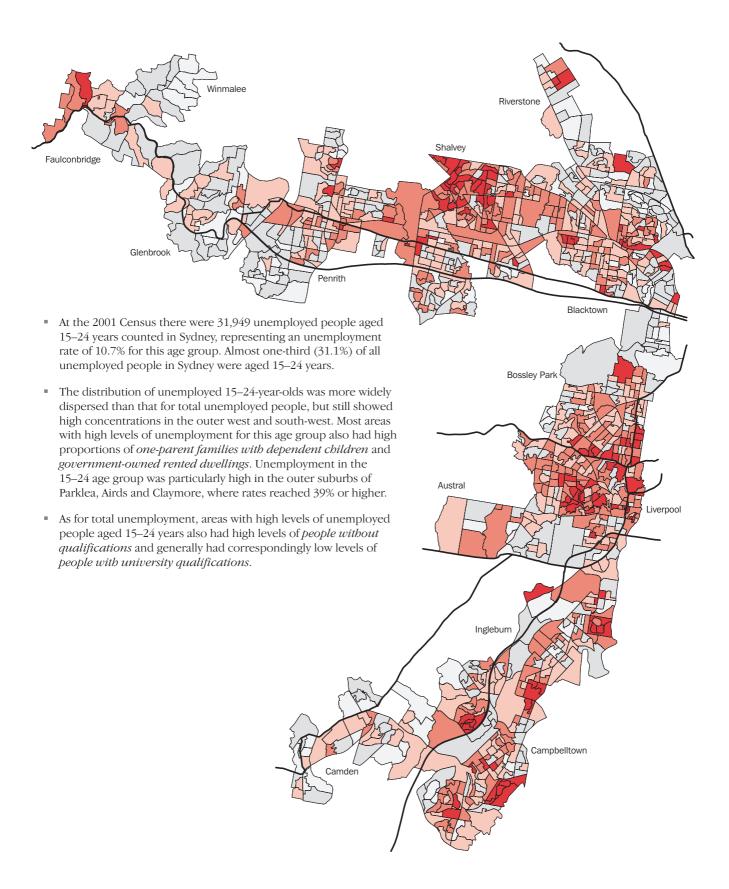
As a percentage of the labour force

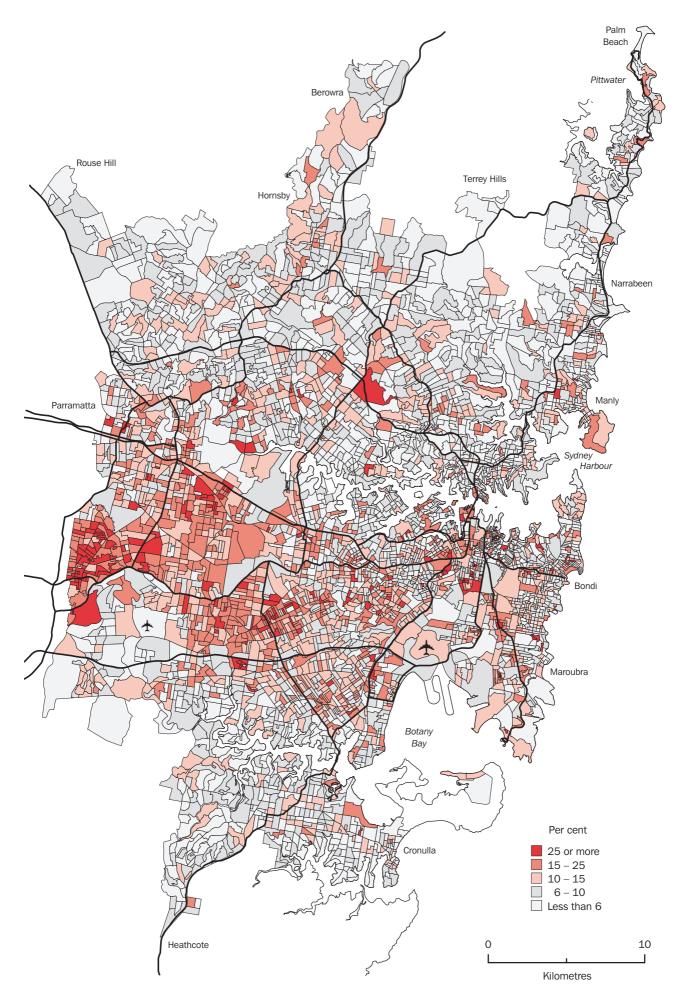




## Unemployed people aged 15-24 years

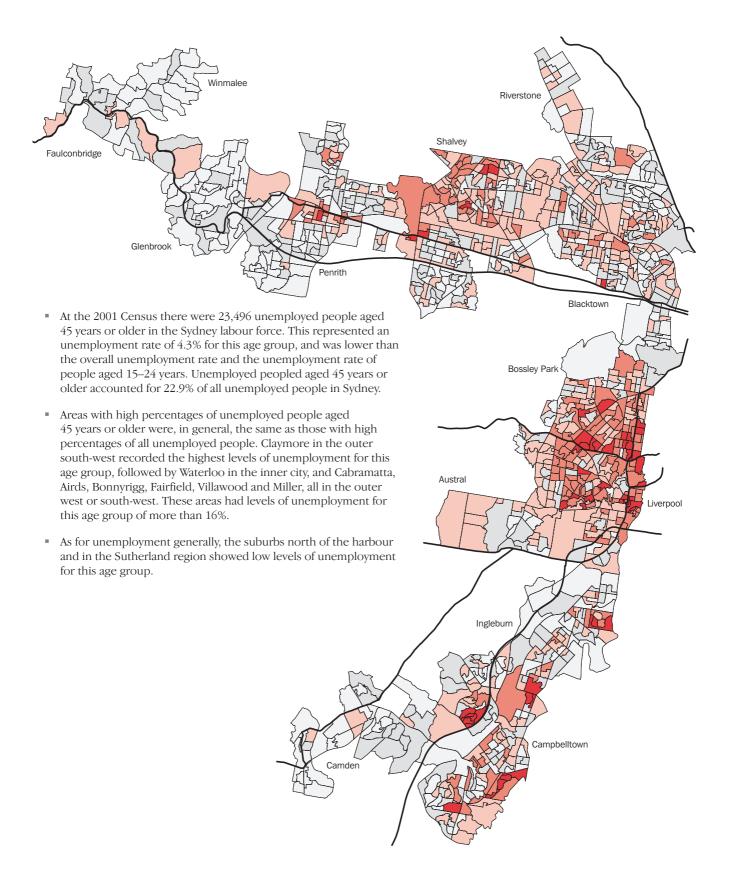
As a percentage of the labour force aged 15-24 years

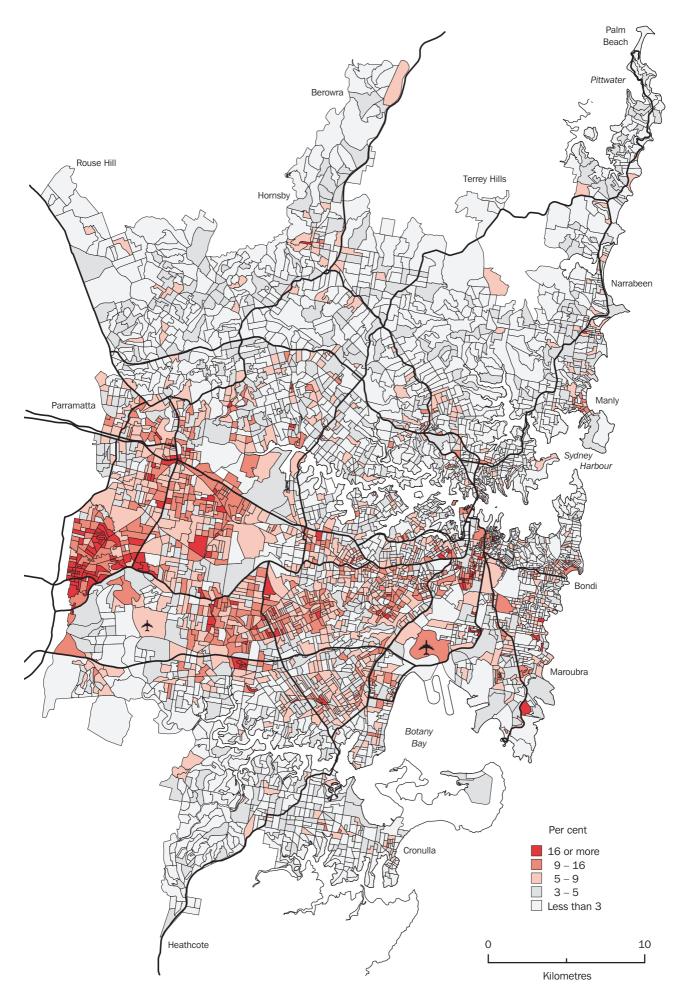




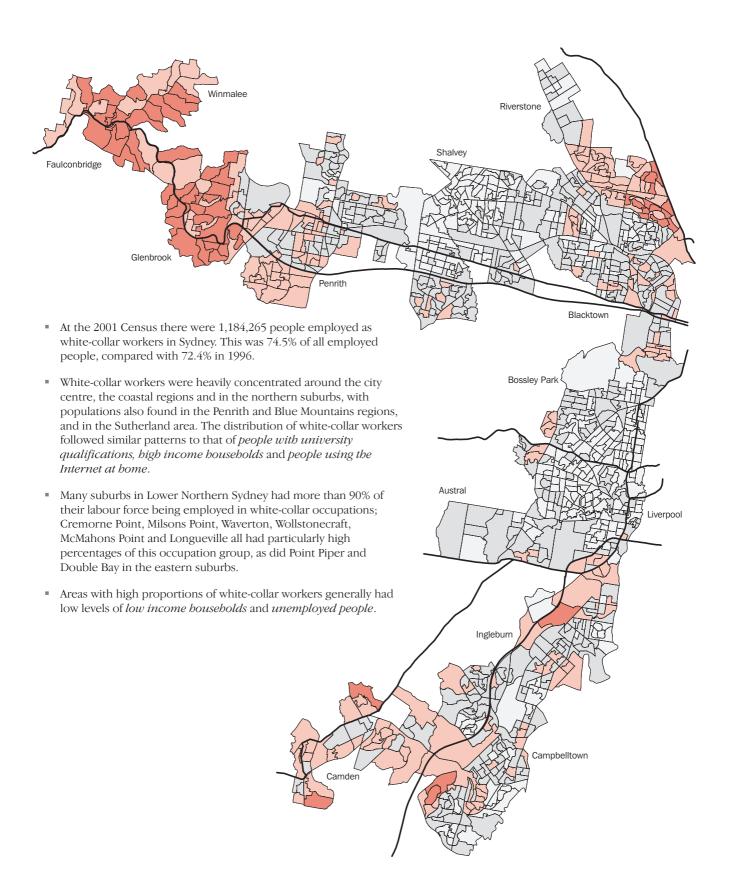
## Unemployed people aged 45 years or older

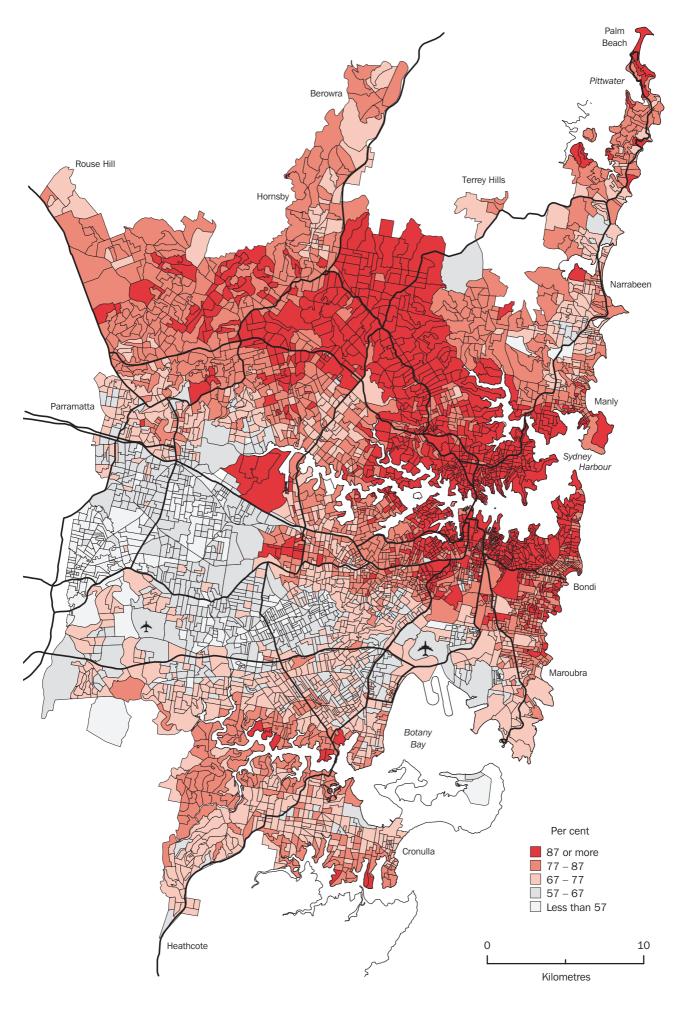
As a percentage of the labour force aged 45 years or older



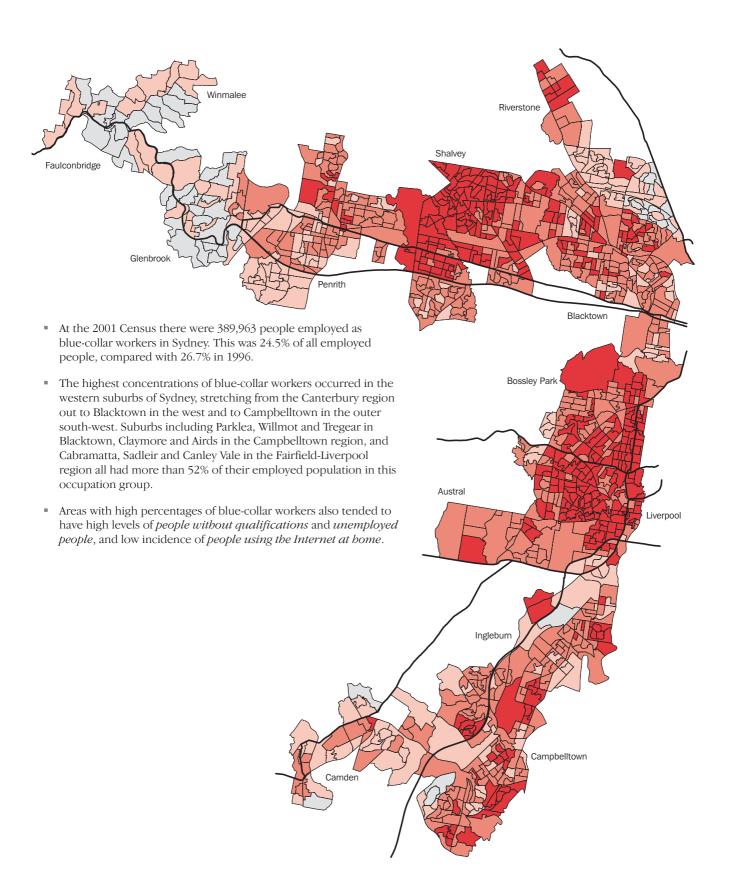


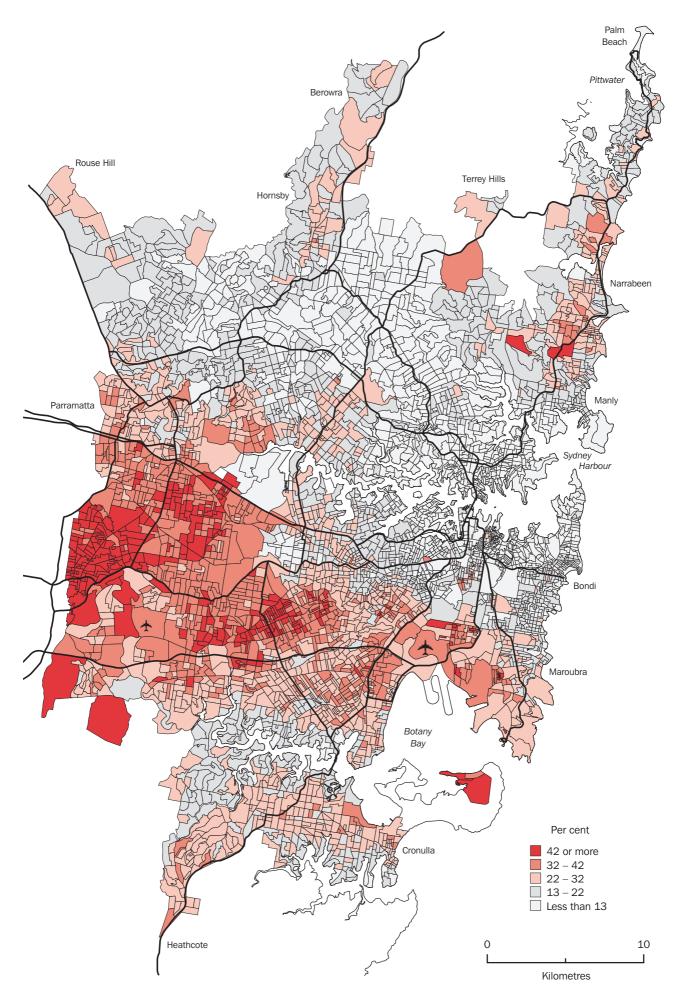
### White-collar workers





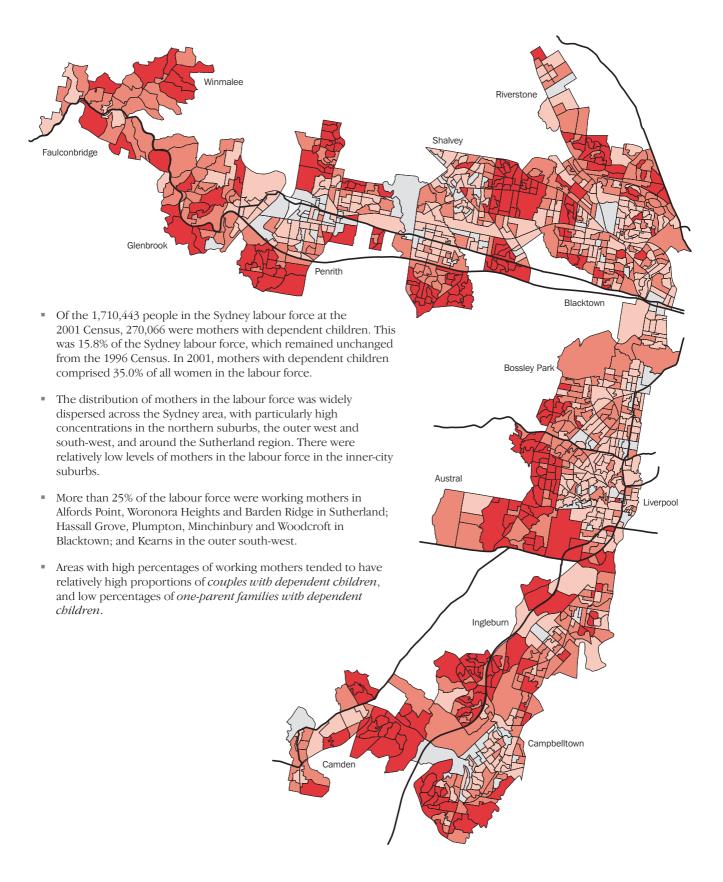
#### **Blue-collar workers**

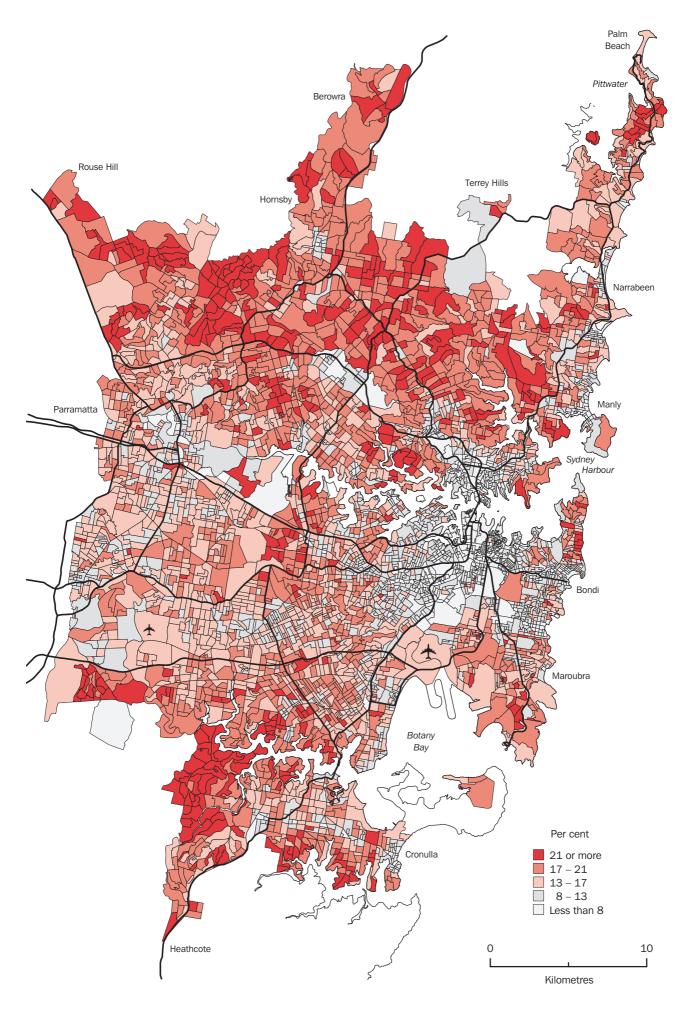




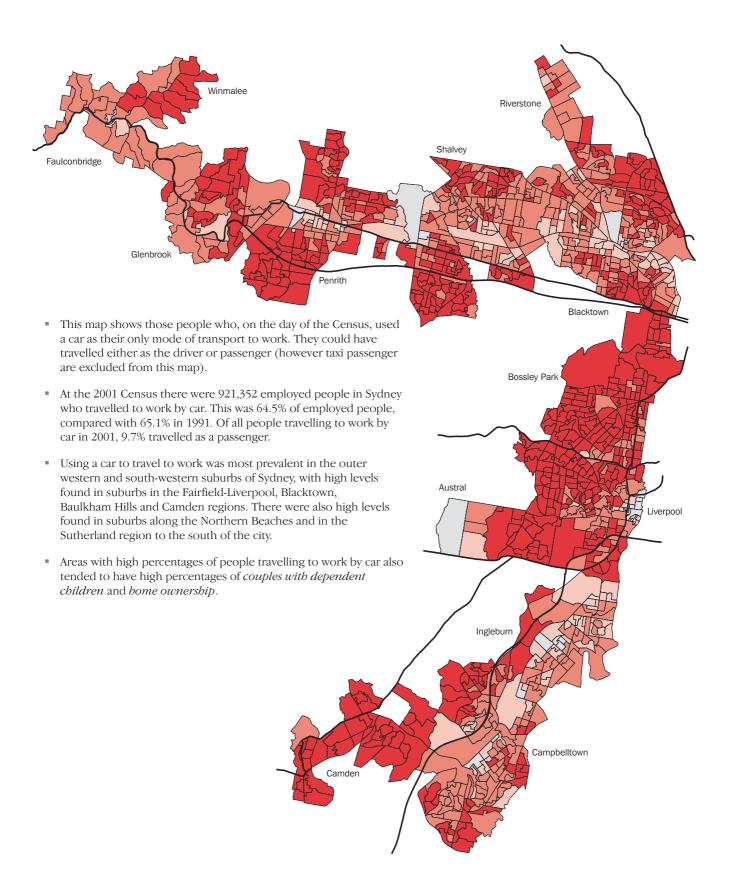
# Mothers in the labour force

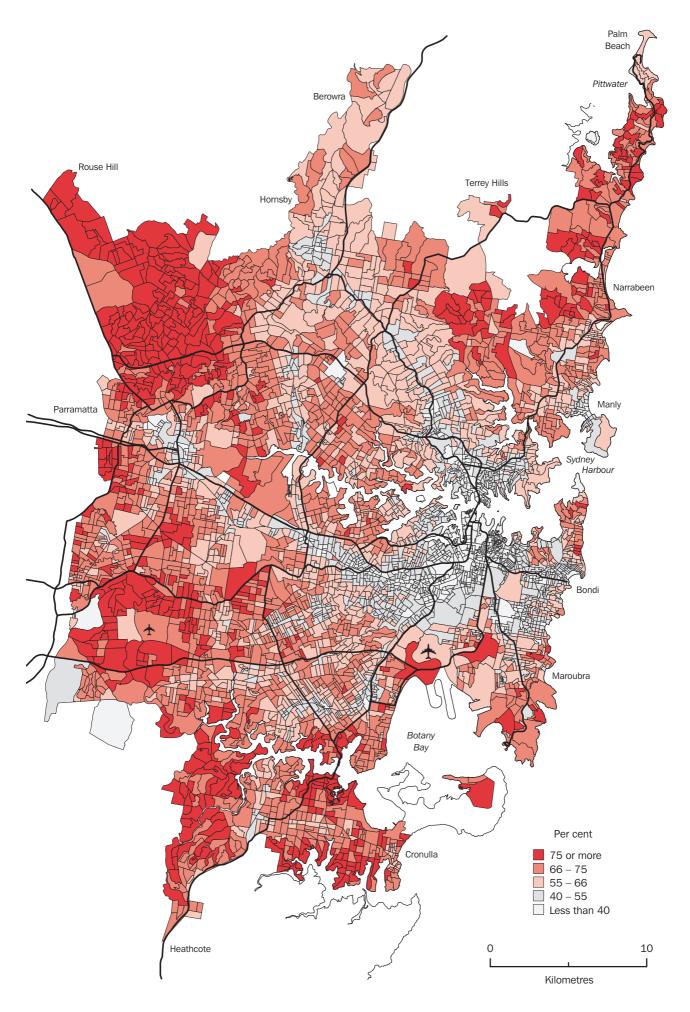
Females, with dependent children, in the labour force as a percentage of the labour force



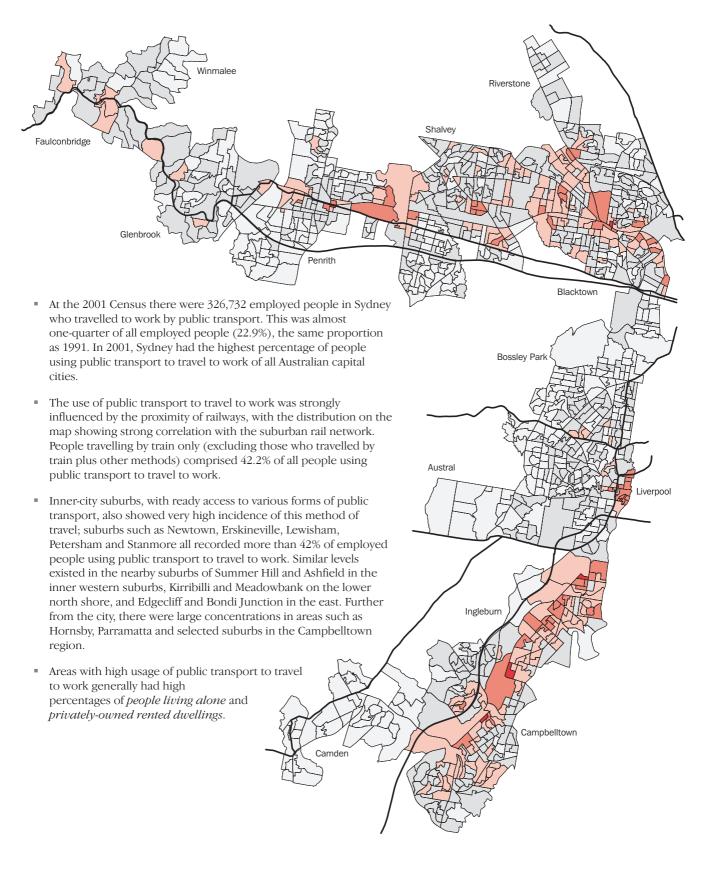


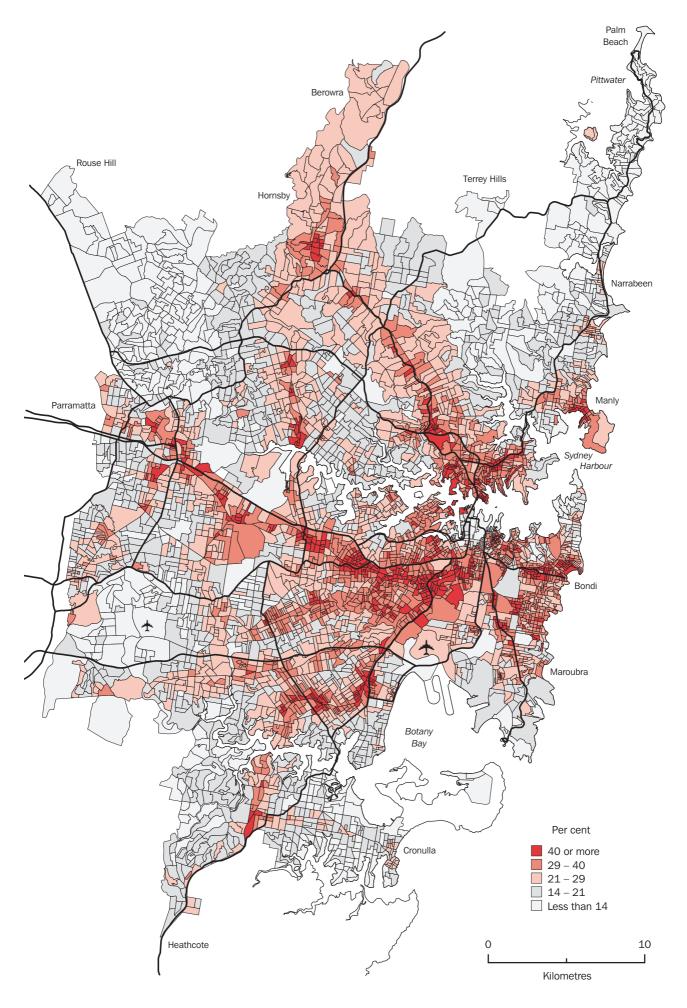
### People who travelled to work by car





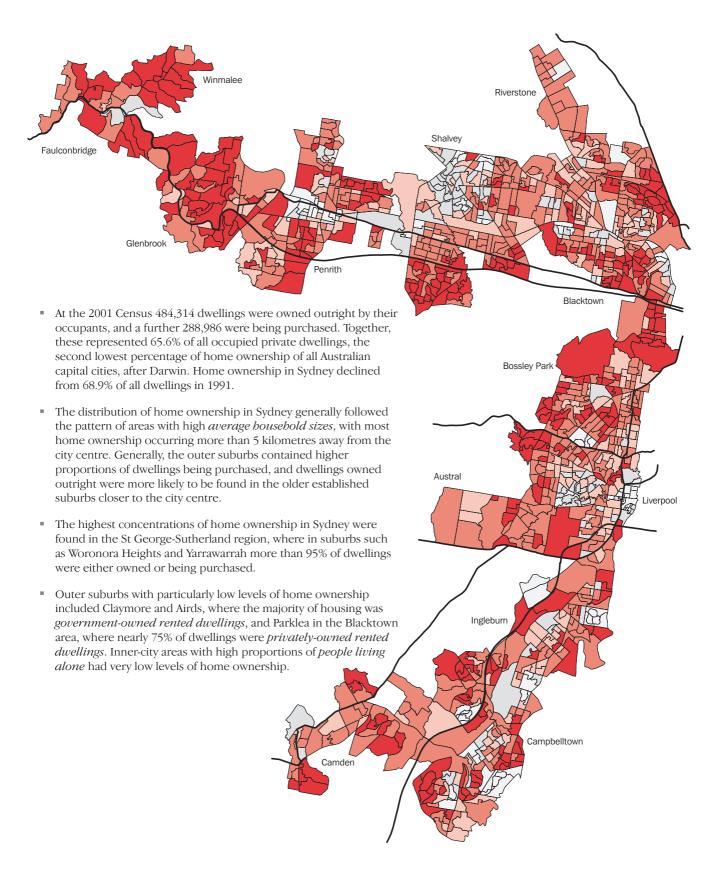
#### People who travelled to work by public transport

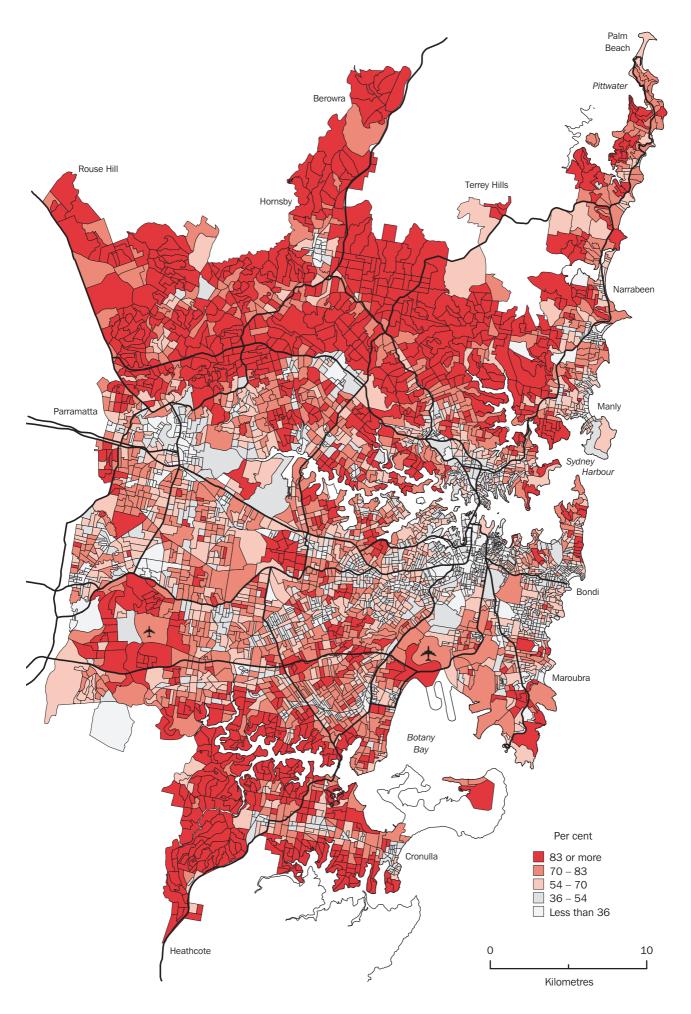




# Home ownership

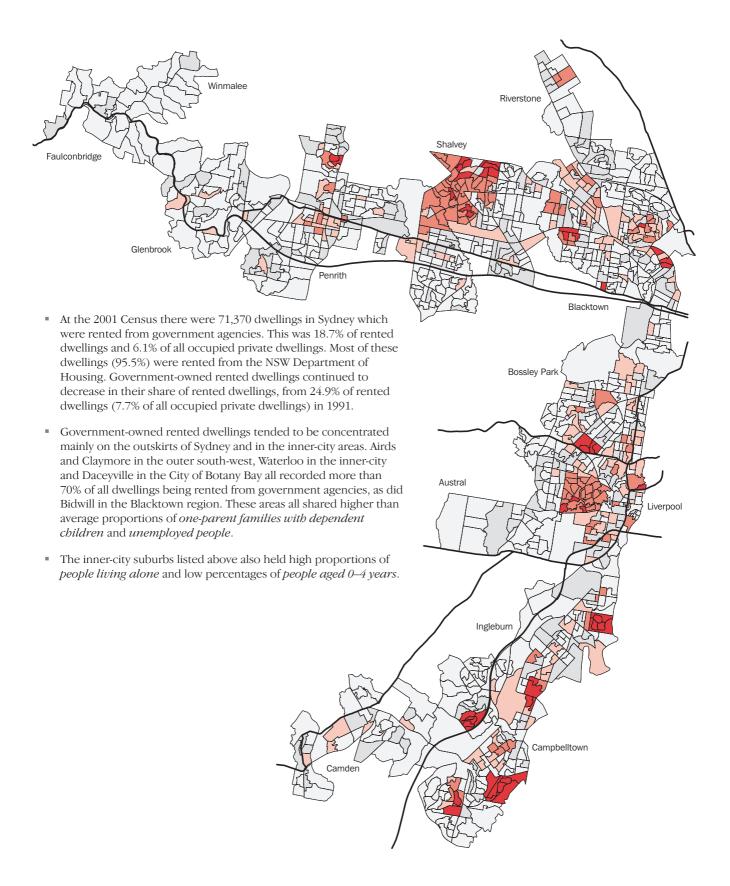
Dwellings that were owner-occupied or being purchased, as a percentage of all occupied private dwellings

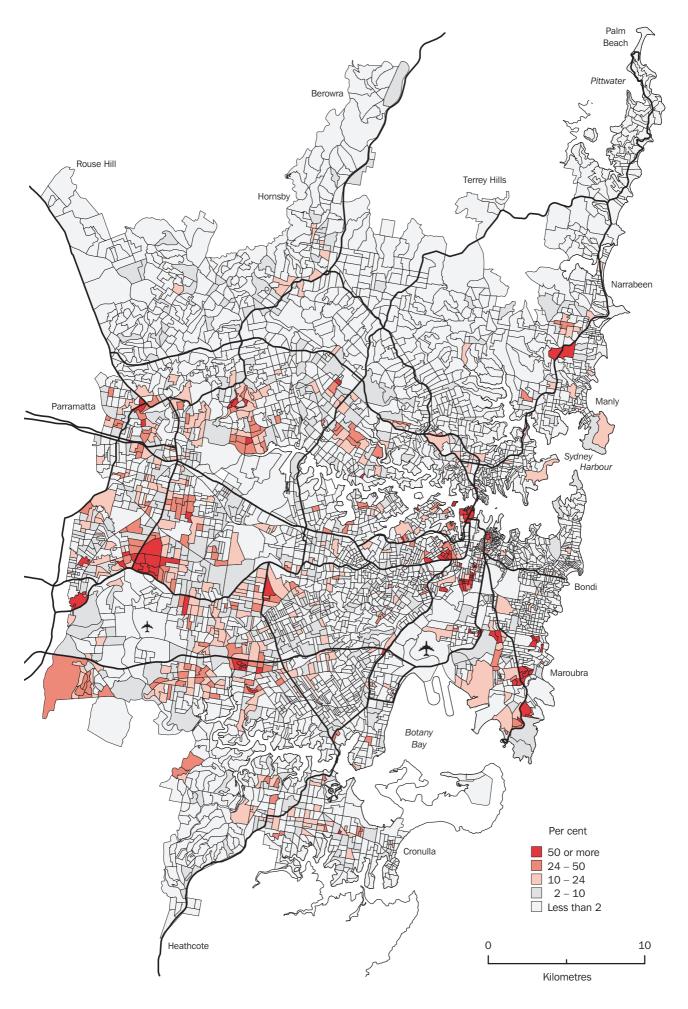




#### **Rented dwellings — government-owned**

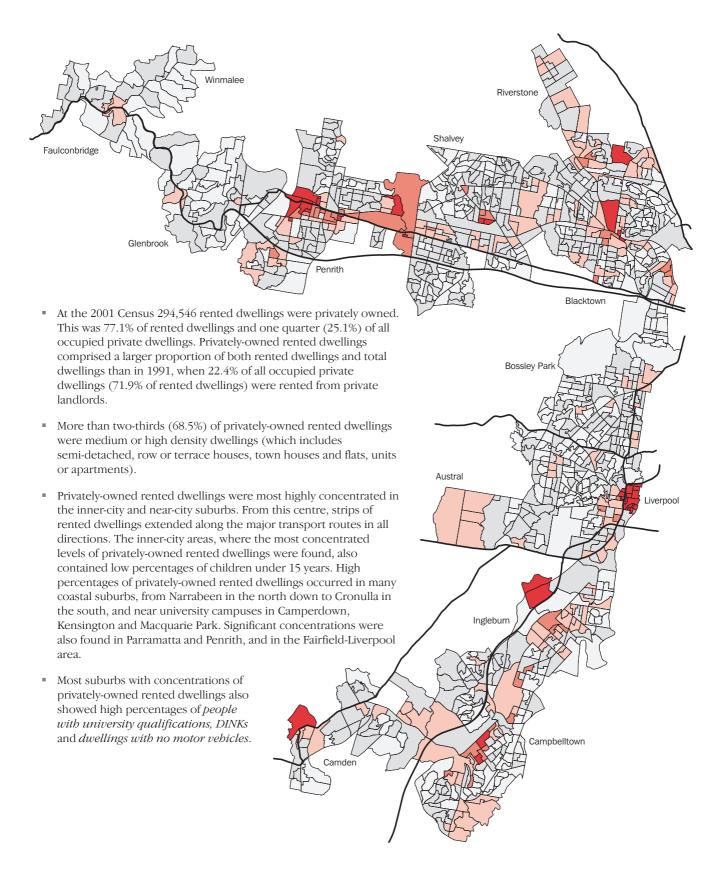
As a percentage of all occupied private dwellings

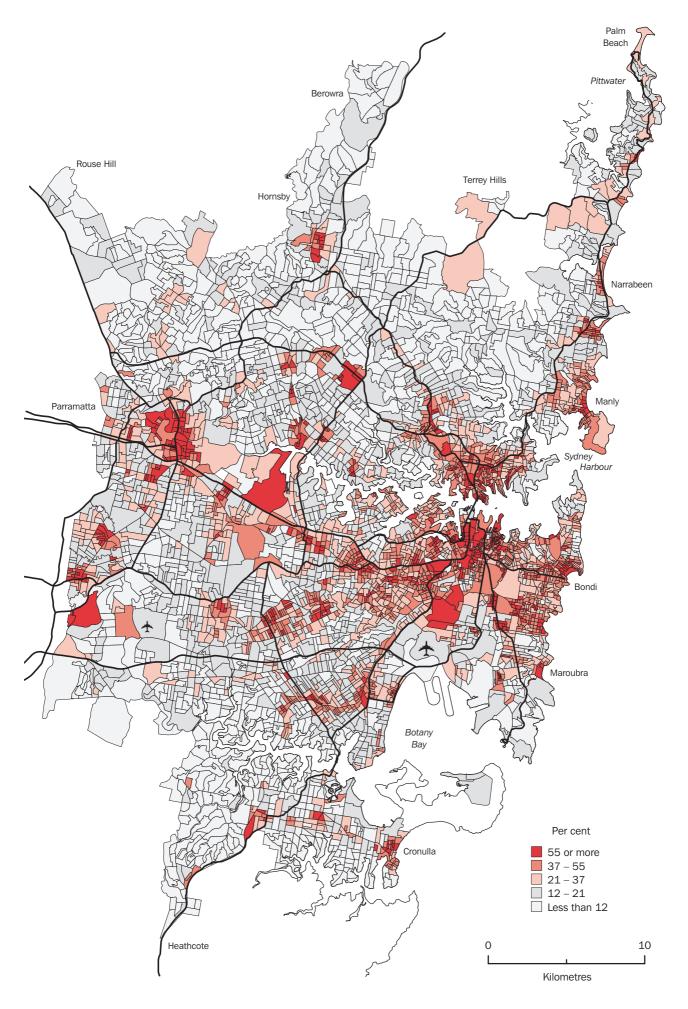




### **Rented dwellings — privately-owned**

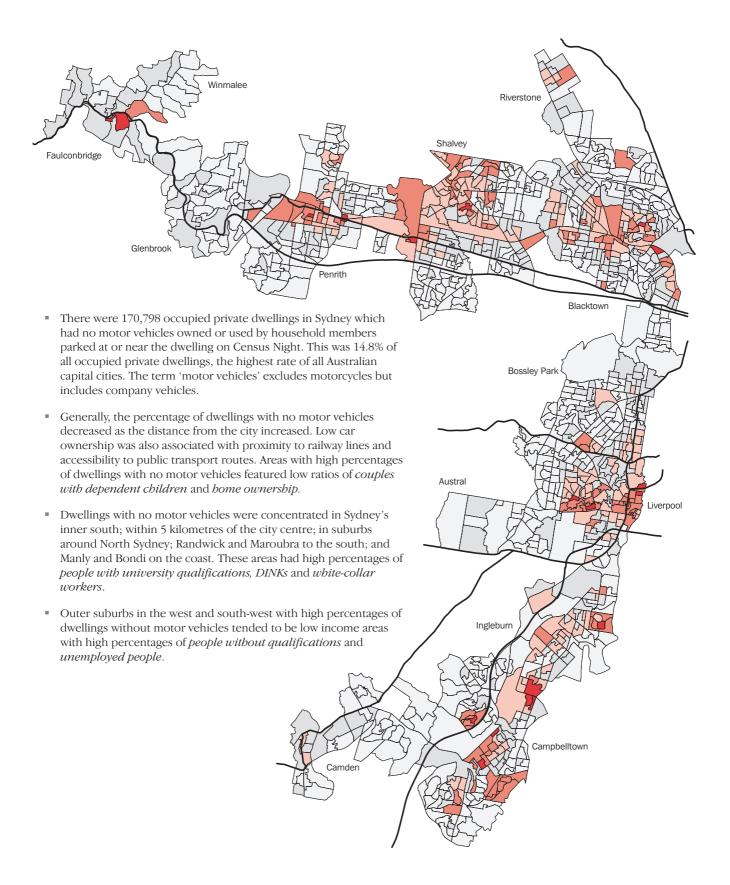
As a percentage of all occupied private dwellings

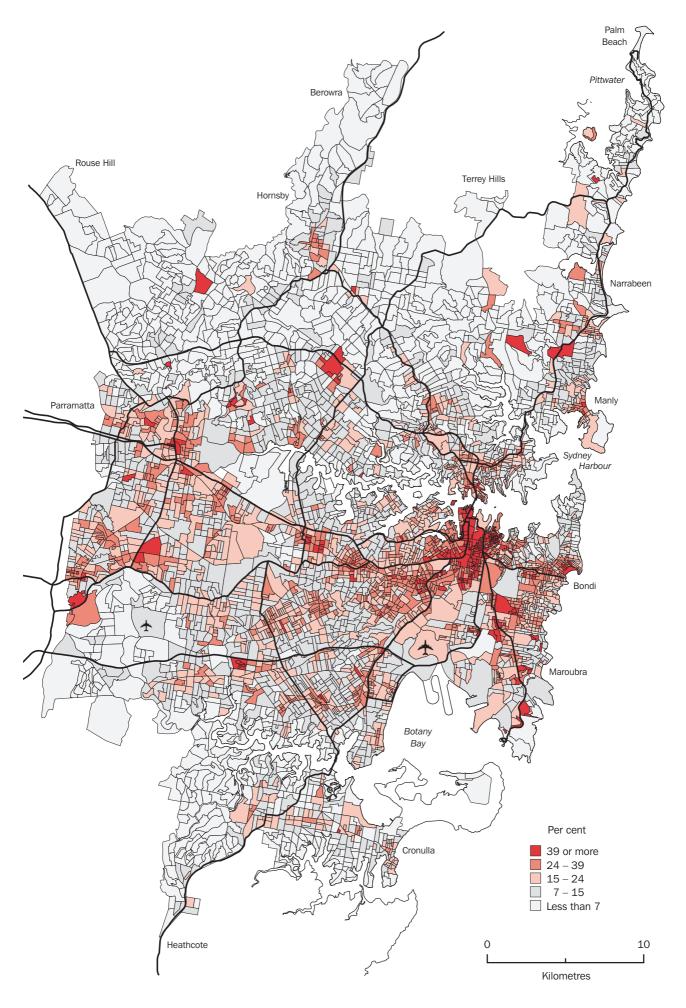




#### Dwellings with no motor vehicles

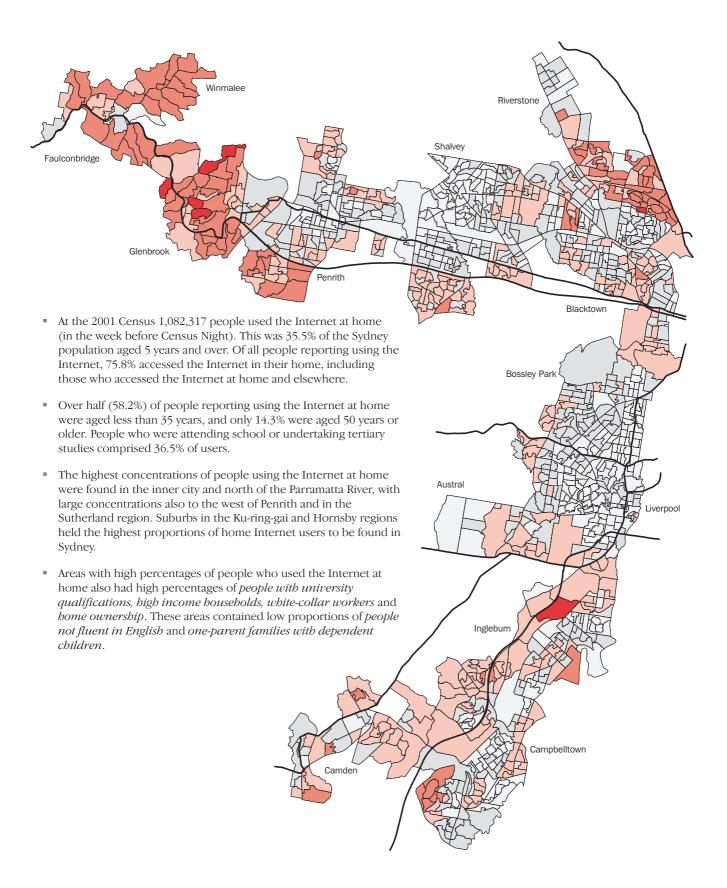
As a percentage of all occupied private dwellings

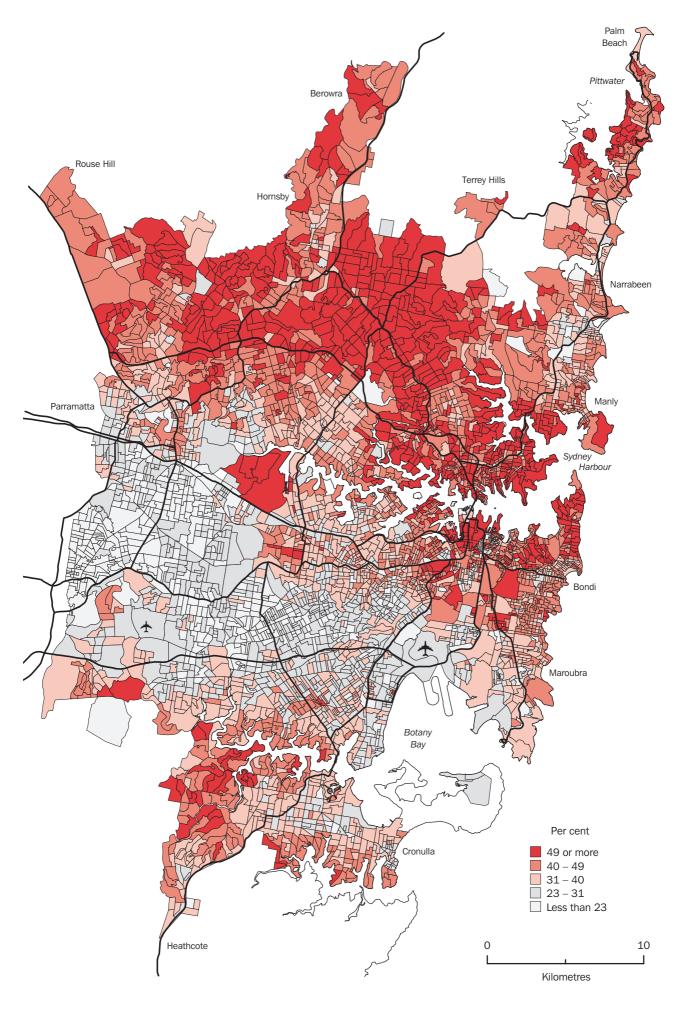




#### People who used the Internet at home

As a percentage of all people aged 5 years or older





## Locations

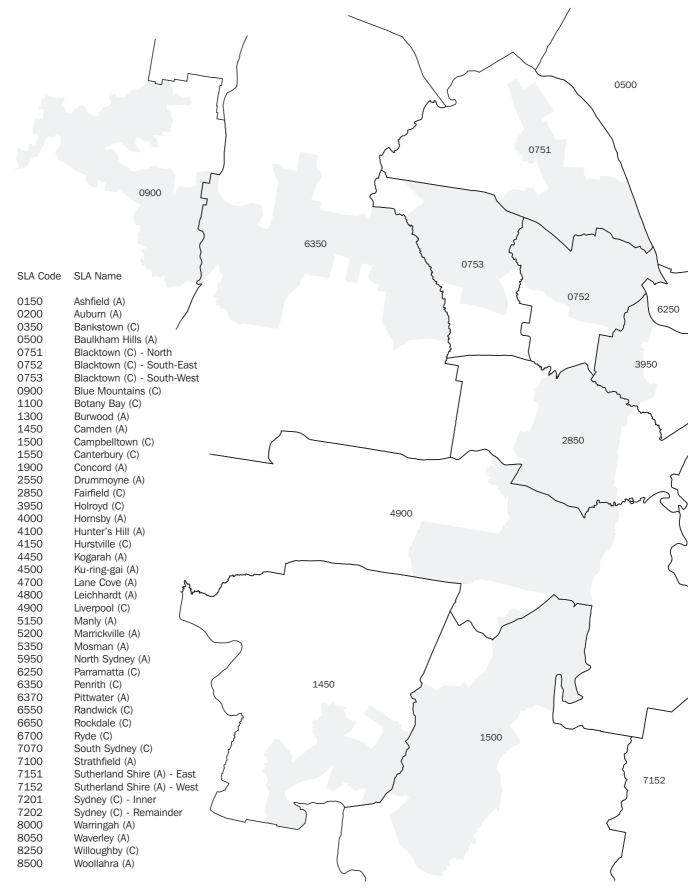
This map shows selected locations which have been mentioned in the commentaries which accompany the maps in this atlas.





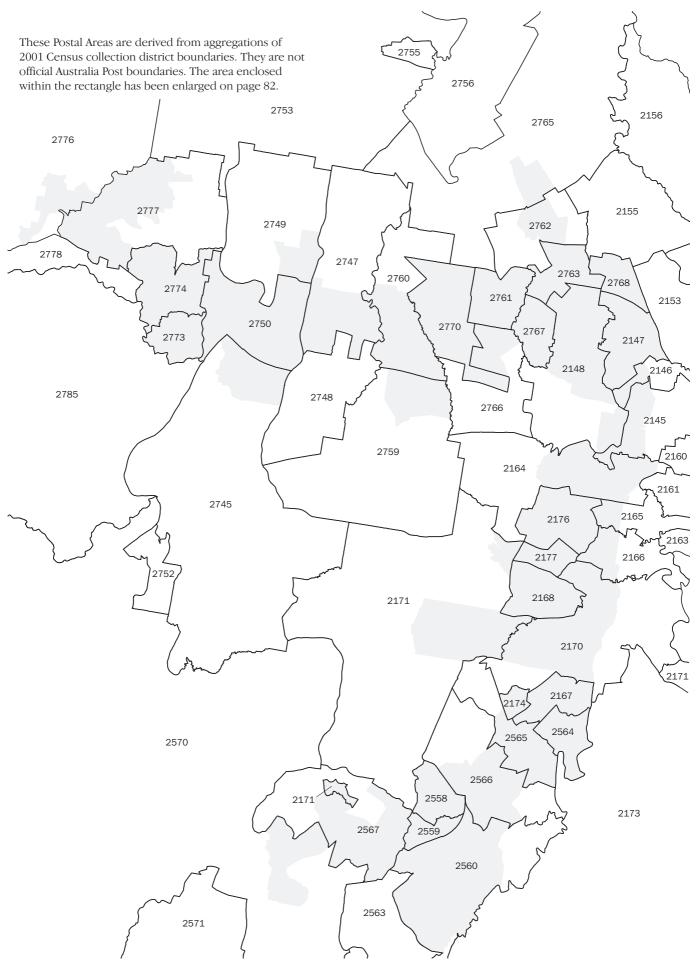
## **Statistical Local Areas**

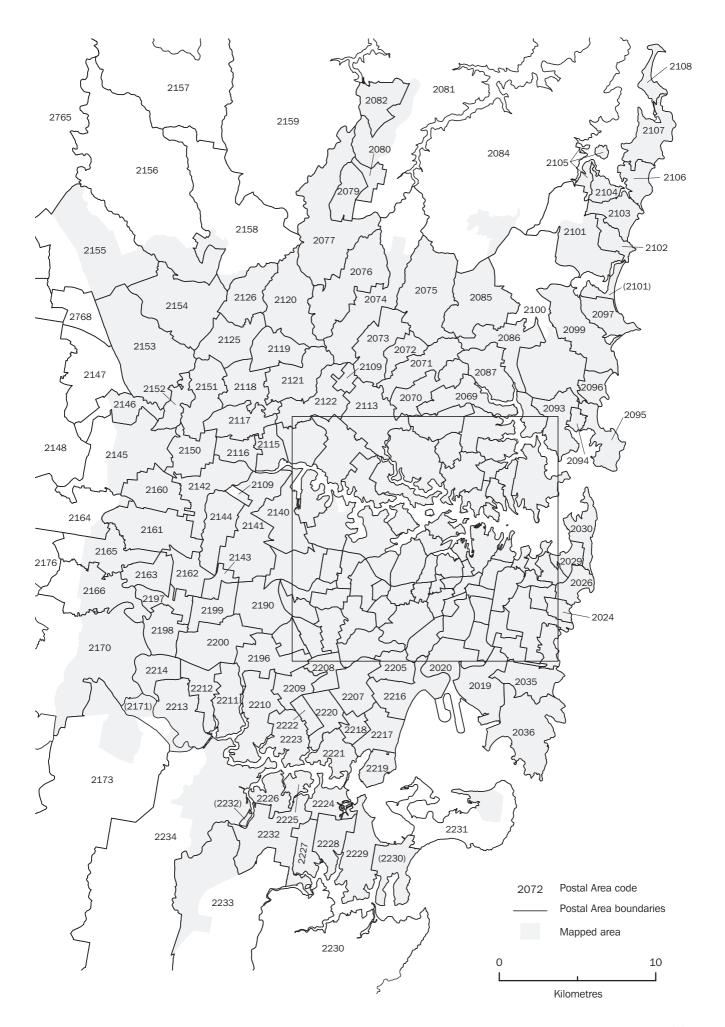
This map can be used to relate SLA boundaries to social and demographic characteristics shown on the maps in this atlas.





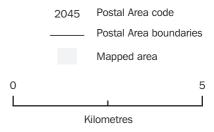
### **Postal Areas**





## Postal Areas — enlargement





# Glossary

	This Glossary contains information about some of the terms used in this atlas. More detailed information about these and other census terms can be found in the <i>2001 Census Dictionary</i> (cat. no. 2901.0).
Blue-Collar Workers	These definitions follow the <i>Australian Standard Classification of Occupations</i> (cat. no. 1220.0). Comprises Tradepersons and related workers, Intermediate production workers, and Labourers and related workers. See also Occupation.
Chinese languages	Includes Cantonese, Chang Chow, Hakka, Hokkien, Hunan, Kan, Mandarin, Teochew and Wu.
Collection District (CD)	The smallest geographic area used for collection and dissemination of data from the Census of Population and Housing. In urban areas there are usually between 200 and 300 dwellings in each CD.
	CDs are redefined for each census and are current only at census time. For the 2001 Census of Population and Housing there were about 37,000 CDs covering the whole of Australia. CDs are amalgamated to form larger geographical areas such as Statistical Local Areas.
Couple	For census purposes, a couple is either married or in a de facto relationship and usually resides in the same household. See also Family.
Dependent children	Children under 15 years of age, or children, in a family, aged 15–24 years who are full-time students attending a secondary or tertiary institution and who have no partner or children of their own usually residing in the household. Dependent children include adopted children, step and foster children. See also Family.
DINKs	This acronym stands for `double income, no kids'. In this atlas, a DINK is defined as a couple with no children or other relatives present, where both partners work more than 25 hours a week in paid employment and the younger partner is aged under 40 years. See also Family.
Dwelling	A structure which is intended to have people live in it, and which is habitable on Census Night. Some examples of dwellings are houses, motels, flats, caravans, prisons, tents, humpies and houseboats. Dwellings are classified as:
	<ul> <li>occupied private dwellings;</li> <li>unoccupied private dwellings; or</li> <li>non-private dwellings.</li> <li>See also Occupied private dwelling; Private dwelling; Non-private dwelling.</li> </ul>
Dwelling being purchased	A dwelling being purchased and occupied by a usual resident of the household. This category excludes dwellings owned outright and those occupied under a life tenure scheme but includes dwellings being purchased under a rent/buy scheme. See also Dwelling.
Employed persons	People aged 15 years and over who, during the week before Census Night, worked for payment or profit or as unpaid workers in a family business, or who had a job from which they were on leave or otherwise temporarily absent.

English (proficiency in the language)	People who indicated that they spoke a language other than English at home were asked to state how well they spoke English.
	Because of the subjective nature of responses to this question in the Census, data on the levels of proficiency in English of people who speak a language other than English at home should be interpreted with care.
Family	Two or more persons, one of whom is at least 15 years of age, who are related by blood, marriage (registered or de facto), adoption, step or fostering and who are usually resident in the same household.
Household	A group of two or more related or unrelated people who usually reside in the same dwelling and make common provision for food and other essentials for living; or a person living alone.
Household income	Calculated by adding together all the individual incomes reported by household members. See also Income.
Income	People aged 15 years and over were asked to state their usual gross weekly income, which is all income before tax, superannuation, health insurance or other deductions are made. Gross income includes family payments, additional family payments, pensions, unemployment benefits, student allowances, maintenance (child support), superannuation, wages, salary, overtime, dividends, rents received, interest received, business or farm income (less operation expenses) and workers' compensation received.
Labour force	Comprises people aged 15 years and over who worked for payment or profit, or as unpaid workers in a family business, during the week prior to Census Night; had a job from which they were on leave or otherwise temporarily absent; were on strike or stood down temporarily; or did not have a job but were actively looking for and available to start work.
Non-private dwelling	This is an establishment which provides a communal or transitory type of accommodation e.g. hotel, motel, prison, religious or charitable institution, defence establishment or hospital. Cared accommodation in retirement villages is included. See also Private dwelling.
Occupation	The ABS uses the <i>Australian Standard Classification of Occupations</i> (cat no. 1220.0) to group employed people into occupations according to the set of tasks that is performed in their jobs. Occupation is collected in the Census for all employed people aged 15 years and over.
Occupied private dwelling	Premises occupied by the household on Census Night. See also Private dwelling.
One-parent family	Consists of a lone parent with at least one child (regardless of age) who is usually resident in the family household. The family may also include any number of other related individuals e.g. a sister of the lone parent. See also Dependent children; Family.
Owner-occupied dwelling	A dwelling owned and occupied by a usual resident of the household. This category excludes those dwellings being purchased and those occupied under a life tenure scheme. See also Dwelling.

Private dwelling	Usually a house, flat or part of a house, but can also be a house attached to, or rooms above, shops or offices; an occupied caravan in a caravan park or on a residential allotment; a craft in a marina; a houseboat; or a tent if it is standing on its own block of land. Manufactured home estates and self-care units for the retired or aged are also treated as private dwellings. See also Non-private dwelling.
Public transport	This mode of travel to work is defined as travelling to work by train, bus, ferry or tram. It excludes travelling to work by car or taxi.
Qualifications	The highest level of non-school qualification that the person has obtained, based on the <i>Australian Standard Classification of Education</i> (cat. no. 1272.0). <i>University qualifications</i> include bachelor degrees, higher degrees and postgraduate diplomas. <i>Skilled vocational qualifications</i> are Certificate Level III qualifications. Skilled vocational qualifications provide a high degree of practical skill together with the theoretical and factual knowledge required to work in a specific vocation. This category includes trade and other qualifications. <i>People without qualifications</i> include a small number of people who have a qualification that is out of scope of the classification.
Rented dwelling	Households were asked whether they rented, owned or were purchasing the dwelling in which they were counted on Census Night. Households who were renting were also asked who they were renting from.
South-East Asia	Includes Brunei Darussalam, Burma (Myanmar), Cambodia, East Timor, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand and Viet Nam.
Statistical Local Area (SLA)	Consists of one or more Collection Districts. In aggregate, SLAs cover the whole of Australia without gaps or overlaps. They consist of a single Local Government Area, or part thereof, or any unincorporated area.
Unemployed persons	For 2001 Census purposes, unemployed people are defined as those people aged 15 years and over who, in the week prior to Census Night, did not have a job but were actively looking for and available to start work.
White-collar workers	These definitions follow the <i>Australian Standard Classification of Occupations</i> (cat. no. 1220.0). Comprises Managers and administrators, Professionals, Associate Professionals, Advanced clerical and service workers, Intermediate clerical, sales and service workers and Elementary clerical, sales and service workers. See also Occupation.

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