

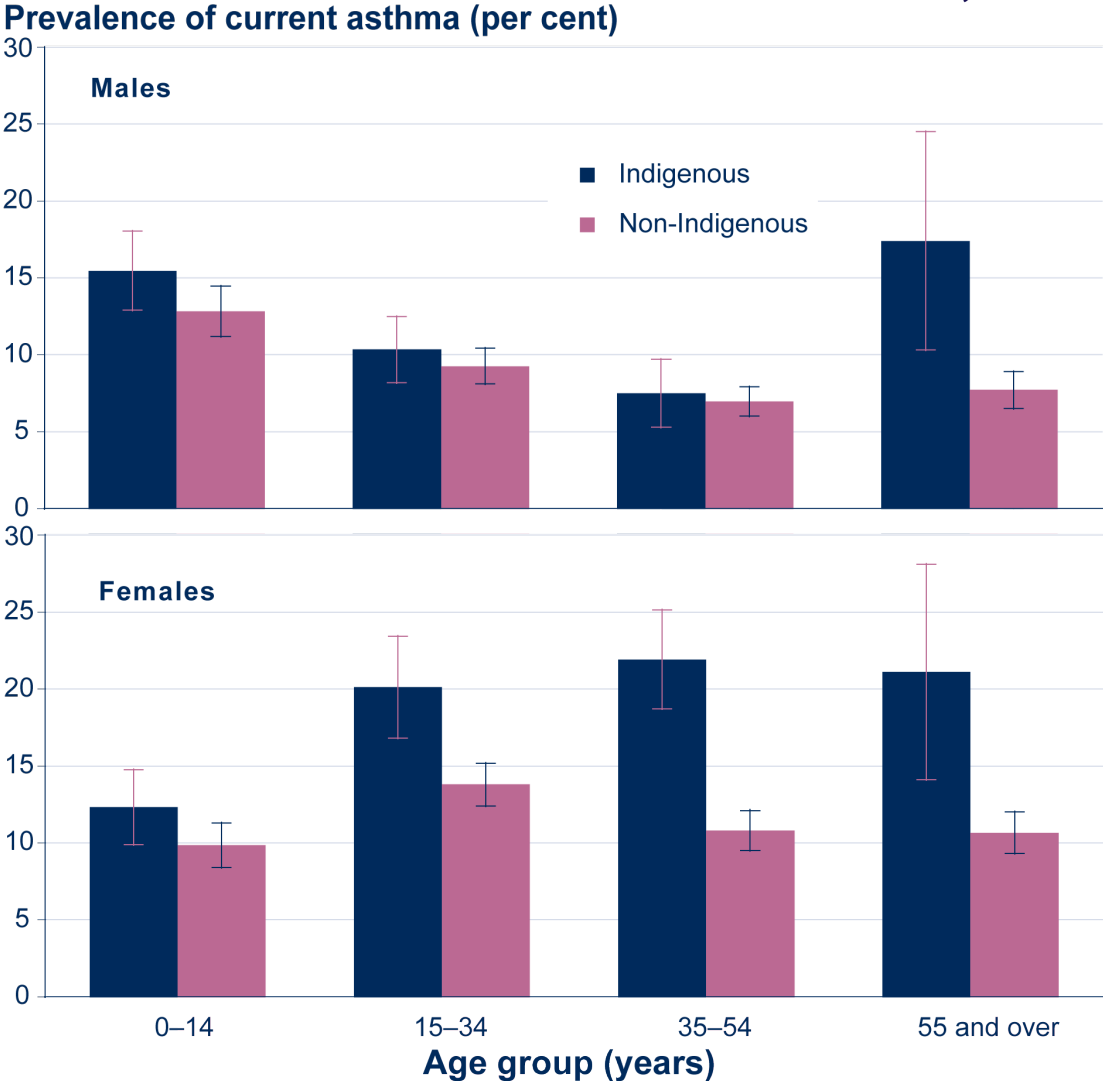
Asthma in Australia 2008

Asthma in Aboriginal and Torres Strait Islander Australians



Prevalence of current asthma by Indigenous status and sex

Australia, 2004–05

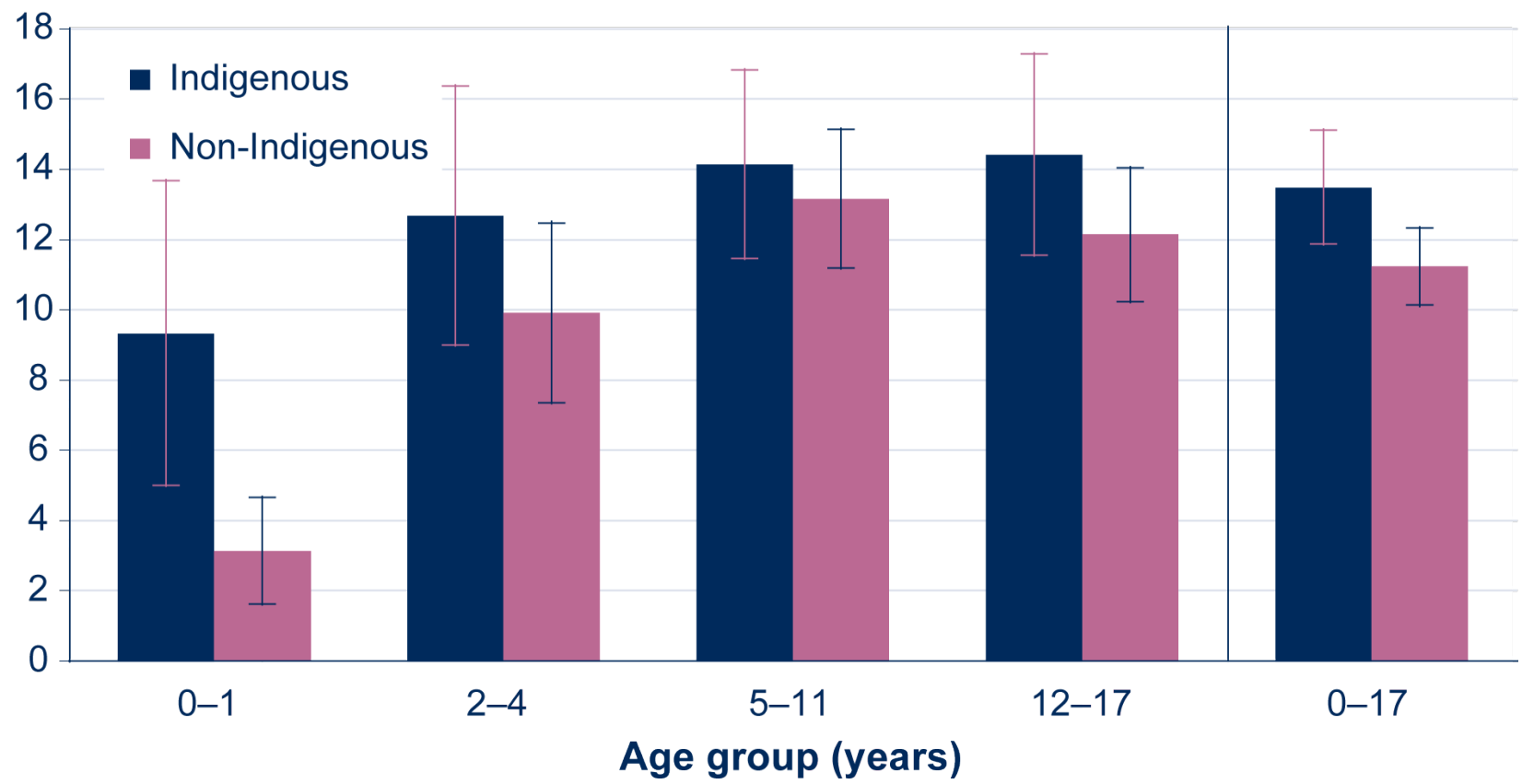


Prevalence of current asthma by Indigenous status, children

Australia, 2004–05



Prevalence of current asthma (per cent)

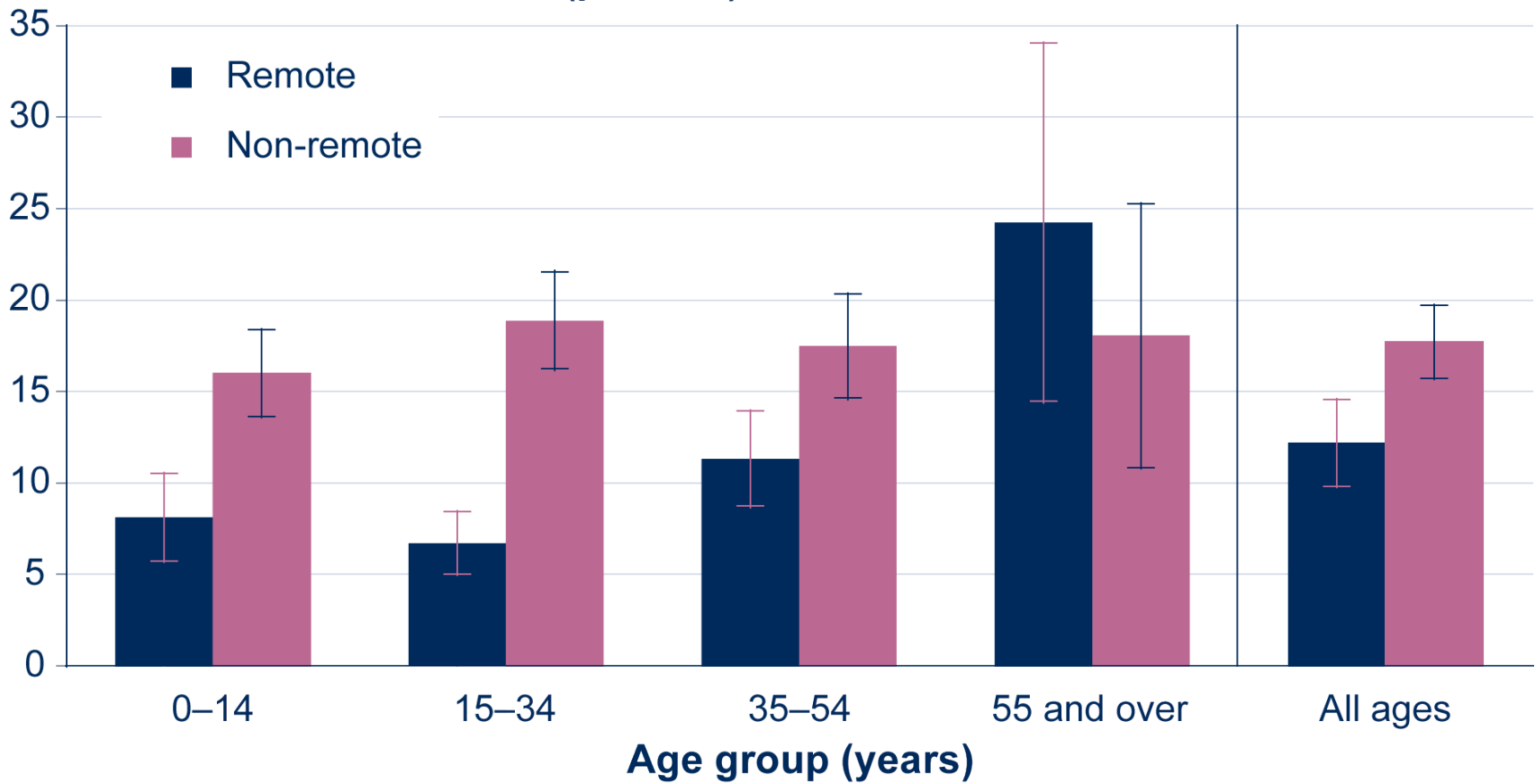


Prevalence of current asthma among Aboriginal and Torres Strait Islander Australians by remoteness

Australia, 2004–05



Prevalence of current asthma (per cent)

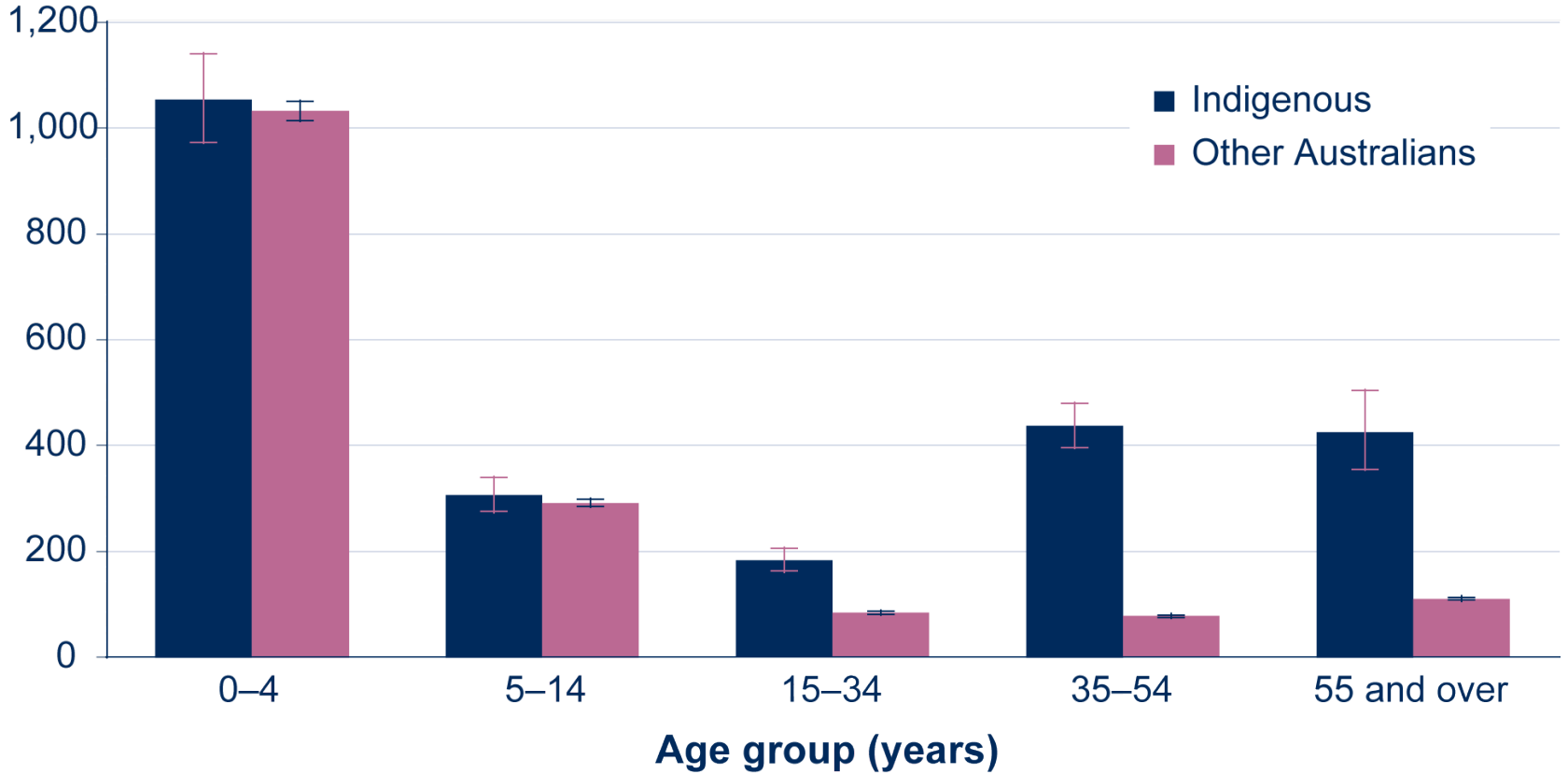


Hospital separations for asthma by Indigenous status

Australia, 2006–07



Hospital separations per 100,000 population

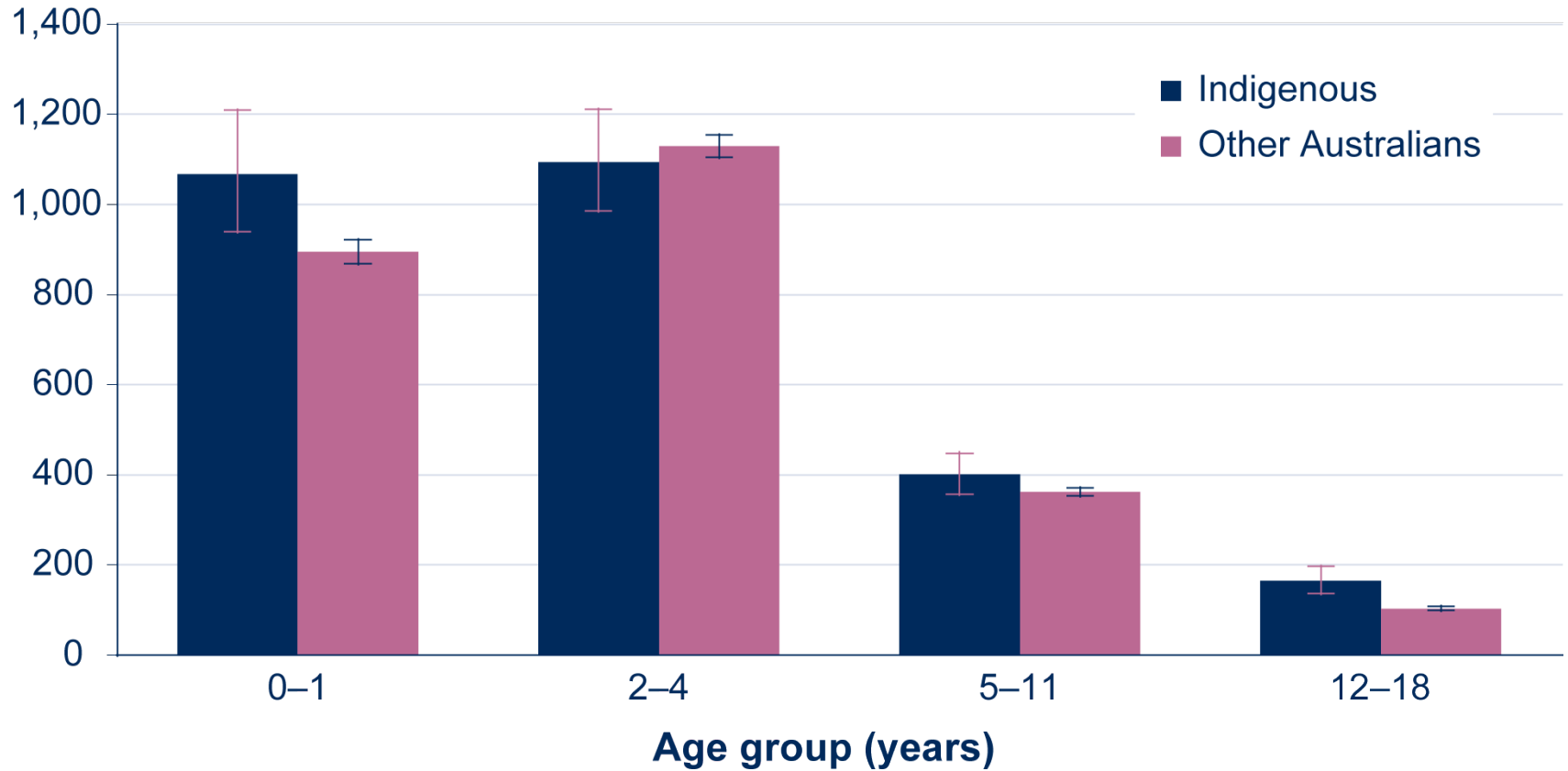


Hospital separations for asthma by Indigenous status, children

Australia, 2006–07



Hospital separations per 100,000 population

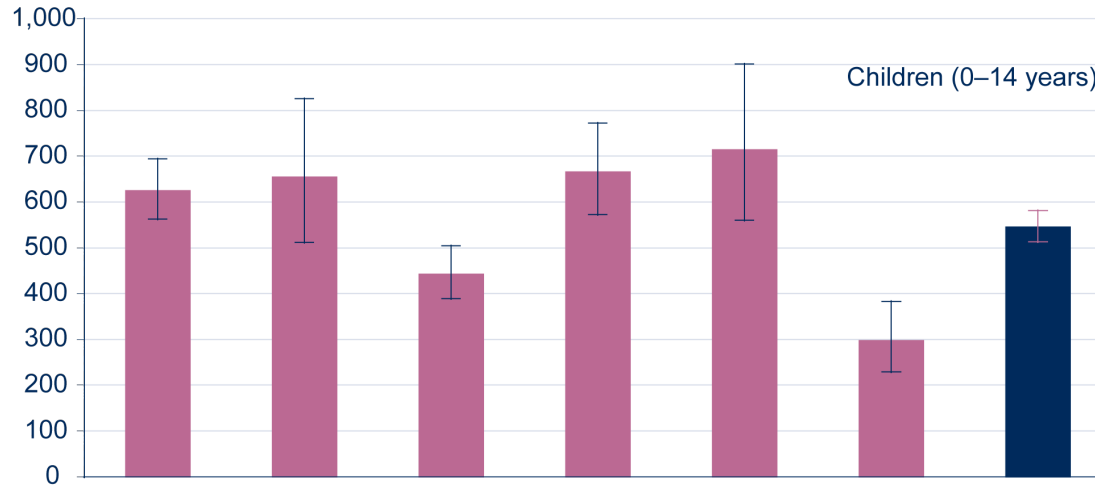


Hospital separations for asthma among Indigenous Australians by state/territory

Australia, 2006–07



Hospital separations per 100,000 population



State/territory

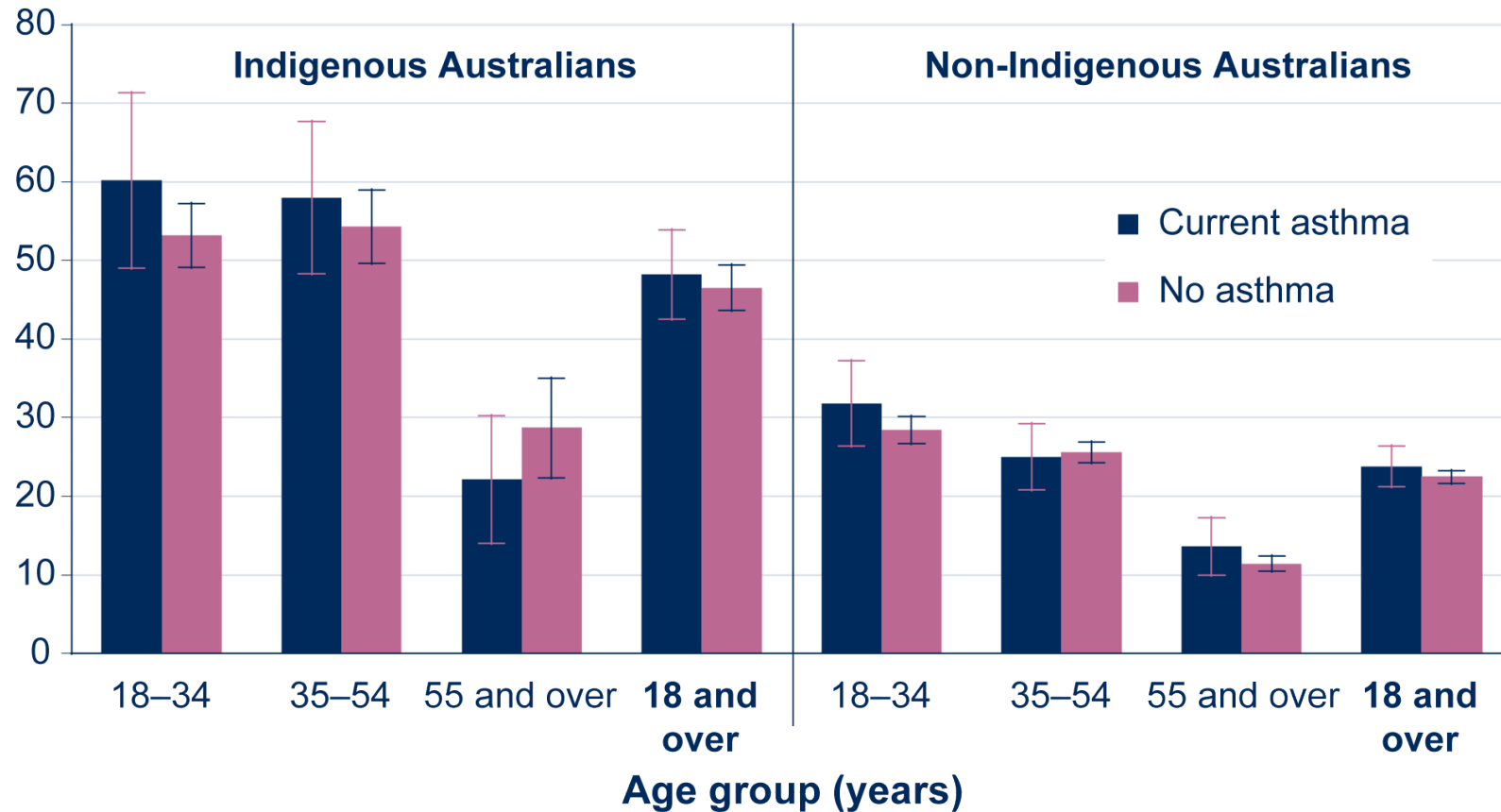


Prevalence of current smoking by Indigenous status and asthma status

Australia, 2004–05



Proportion (per cent)



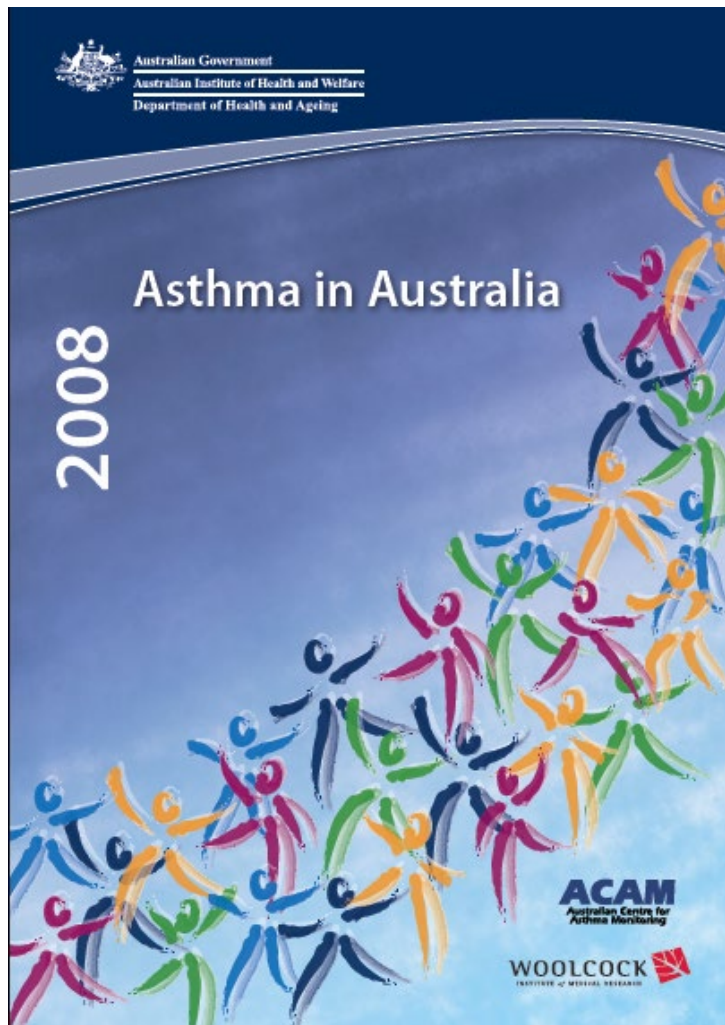
Self-assessed health by Indigenous status and asthma status

Australia, 2004–05



Proportion (per cent)





Asthma in Australia 2008

Prevalence



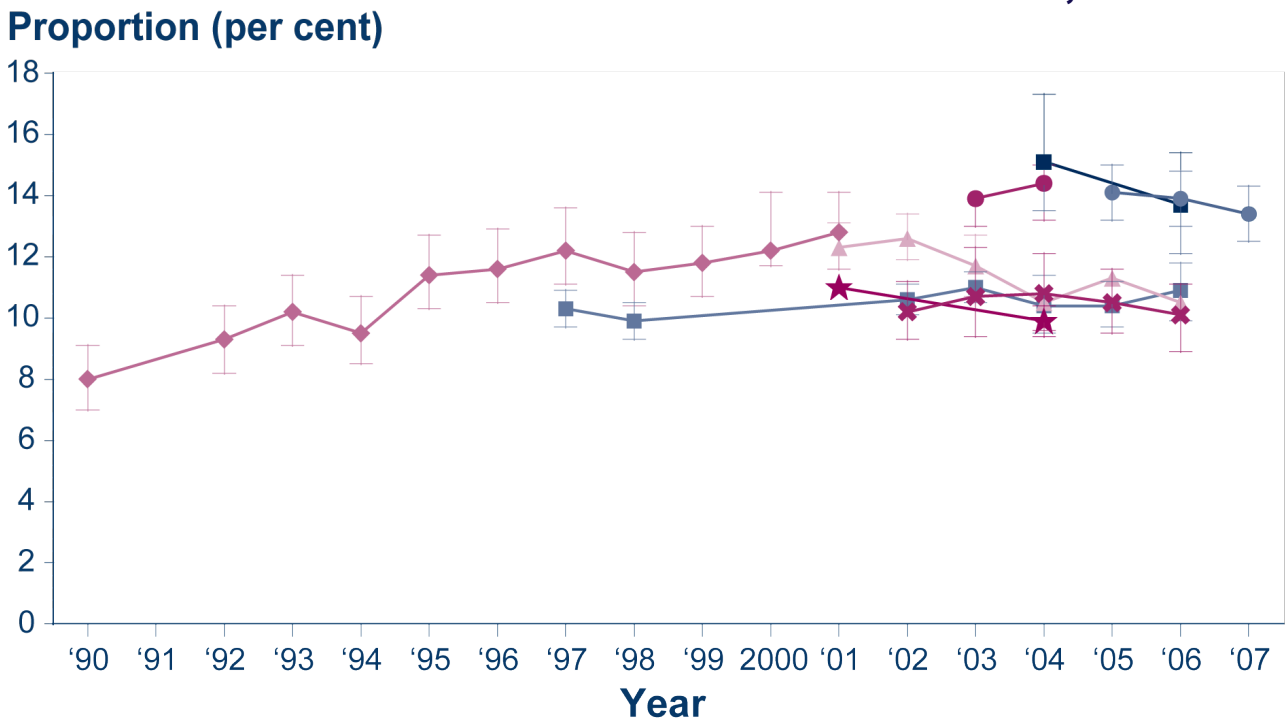
Australian Government
Australian Institute of Health and Welfare

ACAM
Australian Centre for
Asthma Monitoring

WOOLCOCK
INSTITUTE of MEDICAL RESEARCH

Prevalence of current asthma, adults

Australia, 1990–2007 



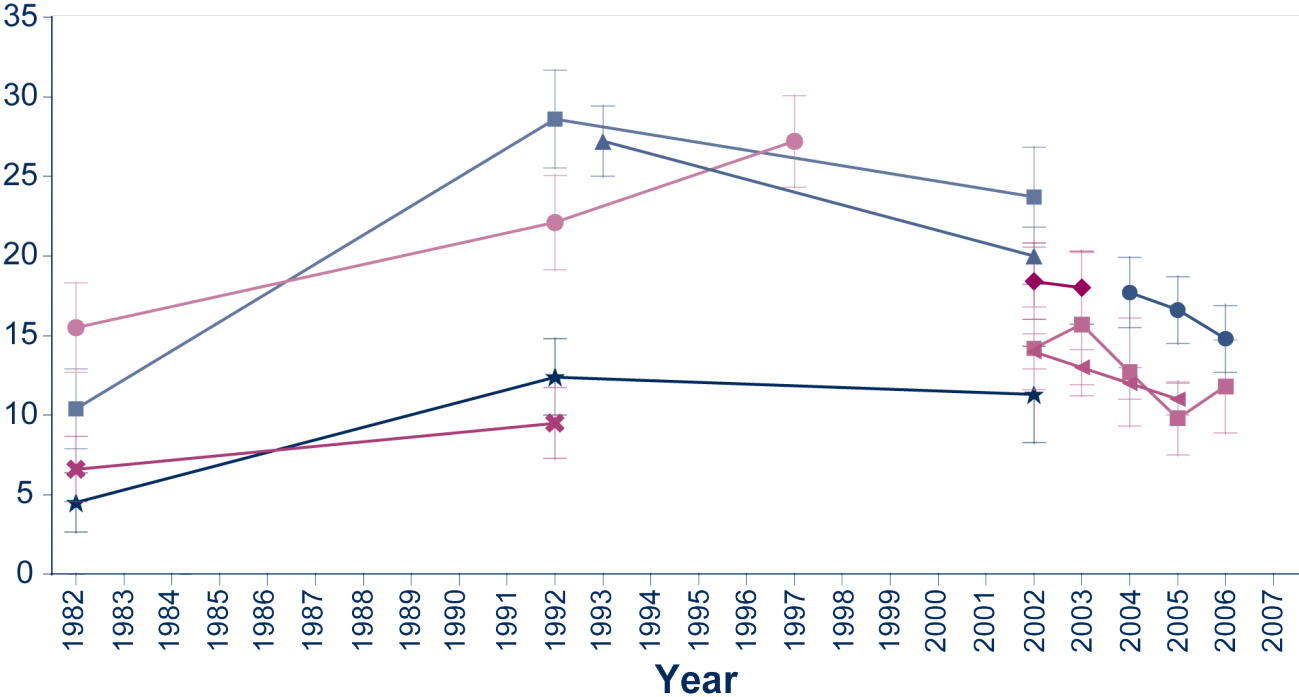
- Ever diagnosed + symptoms or treatment (NSW, aged 16 years and over)
- ▲ Ever diagnosed + symptoms (Vic, aged 18 years and over)
- Ever diagnosed + symptoms or treatment in last 12 months (Qld, aged 18 years and over)
- ✱ Ever diagnosed + symptoms or treatment in last 12 months (WA, aged 16 years and over)
- Ever diagnosed + symptoms or treatment (SA, aged 16 years and over)
- Ever diagnosed + wheeze or prescribed asthma medication in the last 12 months (SAMSS, aged 16 years and over)
- ◆ Ever diagnosed + still have asthma (SA, Omnibus, aged 15 years and over)
- ★ Ever diagnosed and still have asthma (Australia, NHS, aged 16 years and over)

Prevalence of current asthma, children

Australia, 1982–2007



Proportion (per cent)



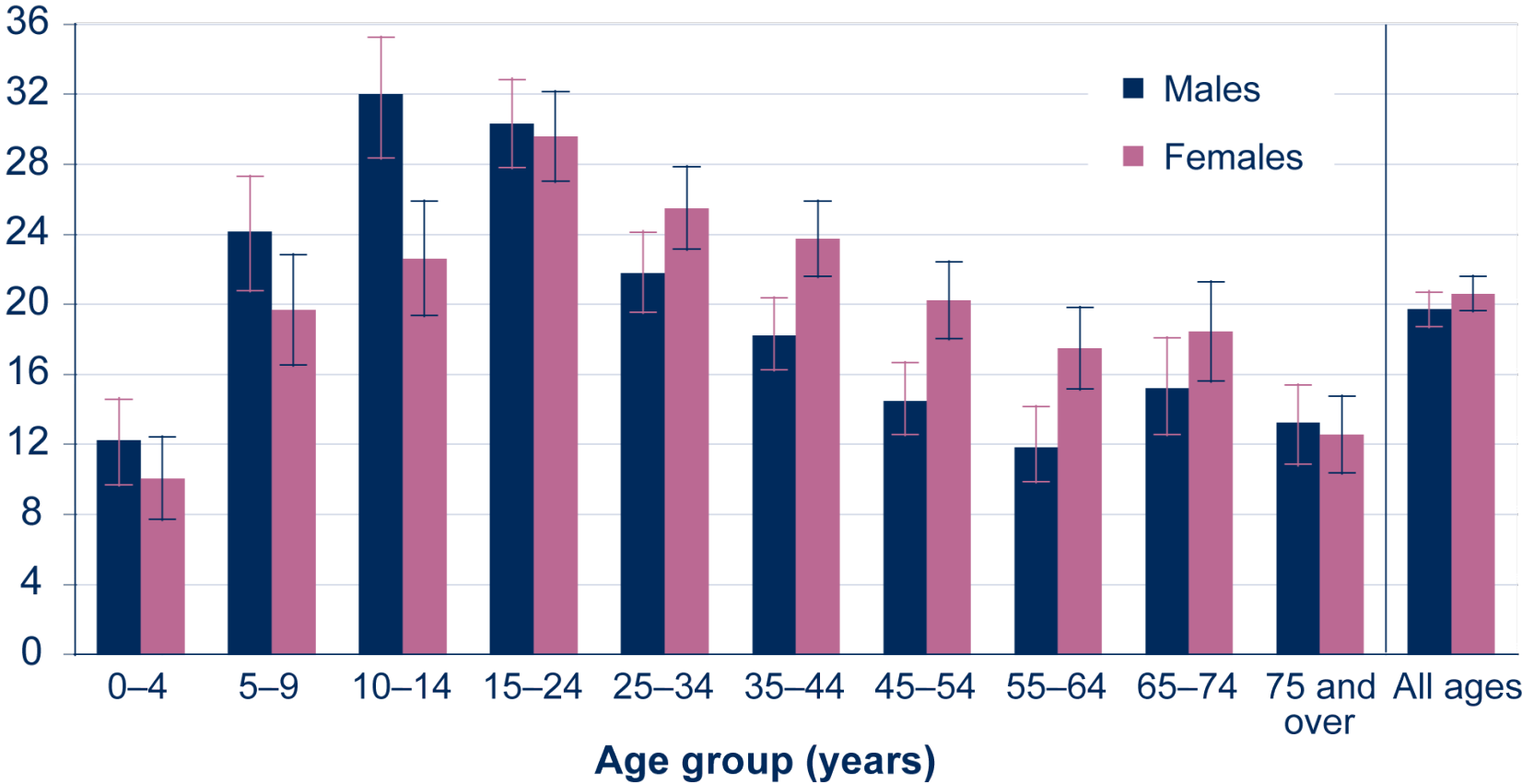
- Recent wheeze (Belmont, NSW)
- Recent wheeze (Wagga Wagga, NSW)
- ▲ Current wheeze (Melbourne, Vic)
- ◆ Ever diagnosed + symptoms or treatment (SAMSS, aged 2–15 years)
- ★ Recent wheeze + AHR (Belmont, NSW)
- ✕ Recent wheeze + AHR (Wagga Wagga, NSW)
- Ever diagnosed + symptoms or treatment in the last 12 months (WA, aged 0–15 years)
- Ever diagnosed + wheeze or taken prescribed asthma medication in last 12 months (SAMSS, aged 2–15 years)
- ◀ Ever diagnosed + symptoms or treatment in last 12 months (ACT)

Prevalence of ever asthma by age and sex

Australia, 2004–05



Prevalence of ever diagnosed asthma (per cent)

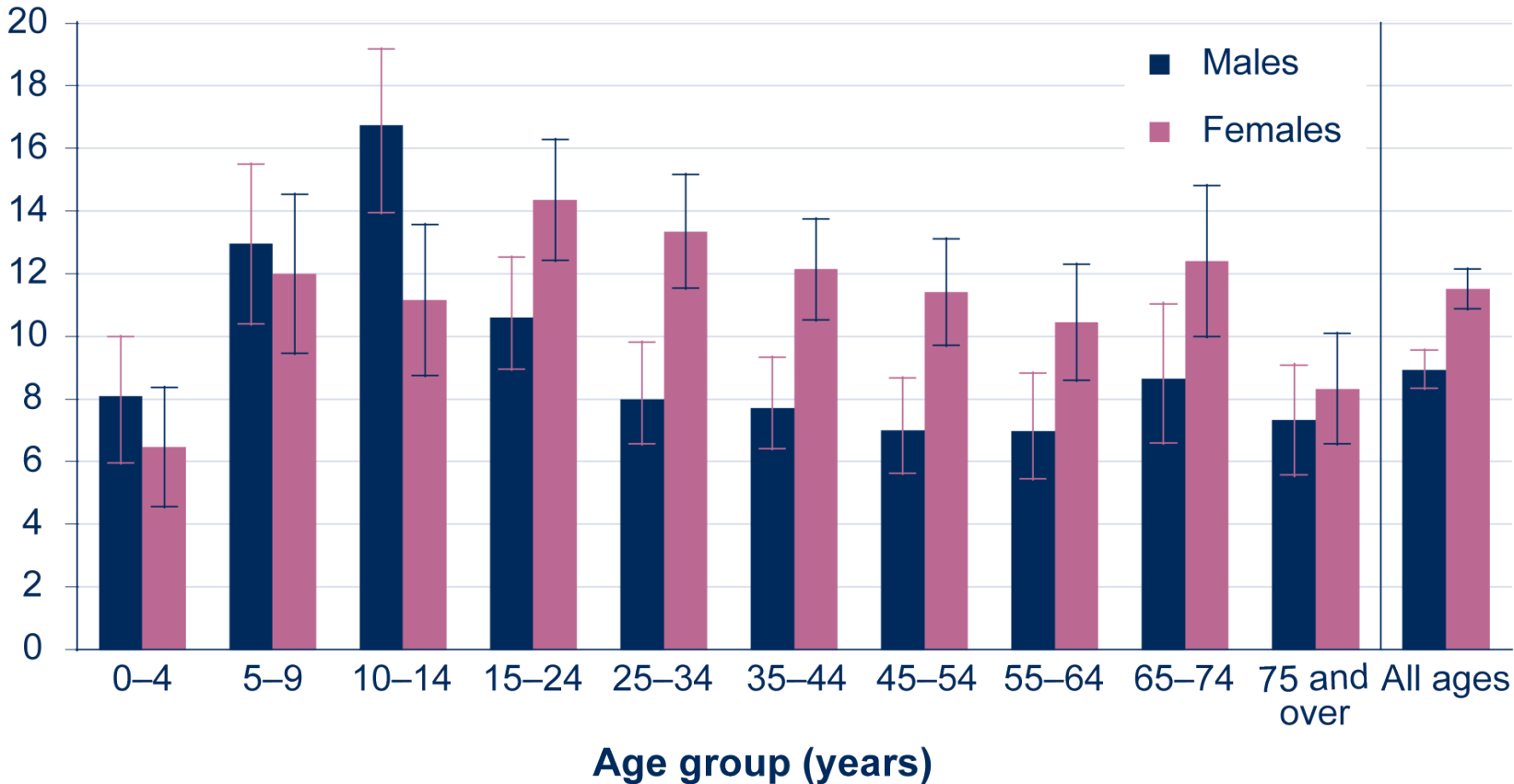


Prevalence of current asthma by age and sex

Australia, 2004–05



Prevalence of current asthma (per cent)

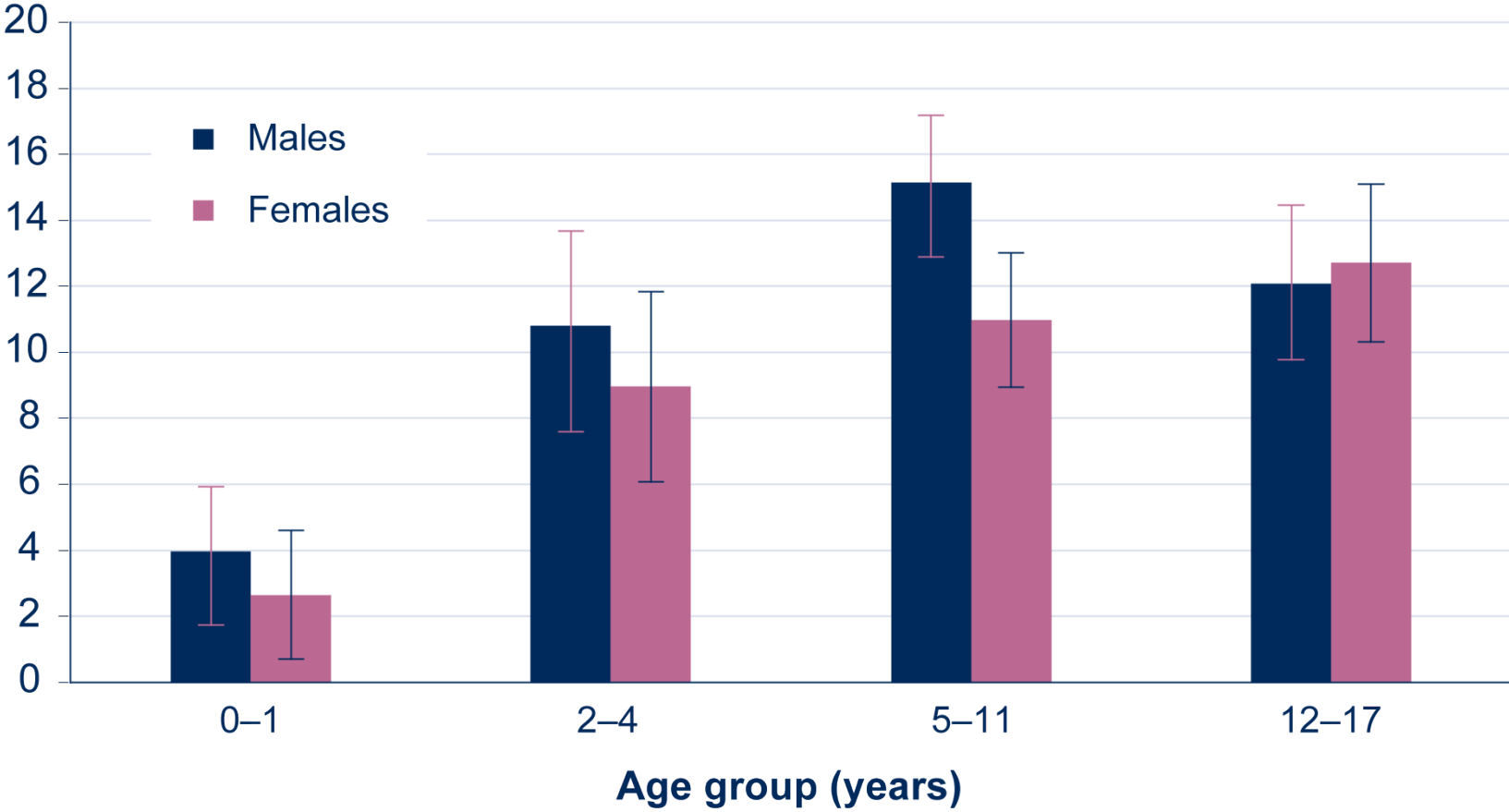


Prevalence of current asthma in children by age and sex

Australia, 2004–05



Prevalence of current asthma (per cent)

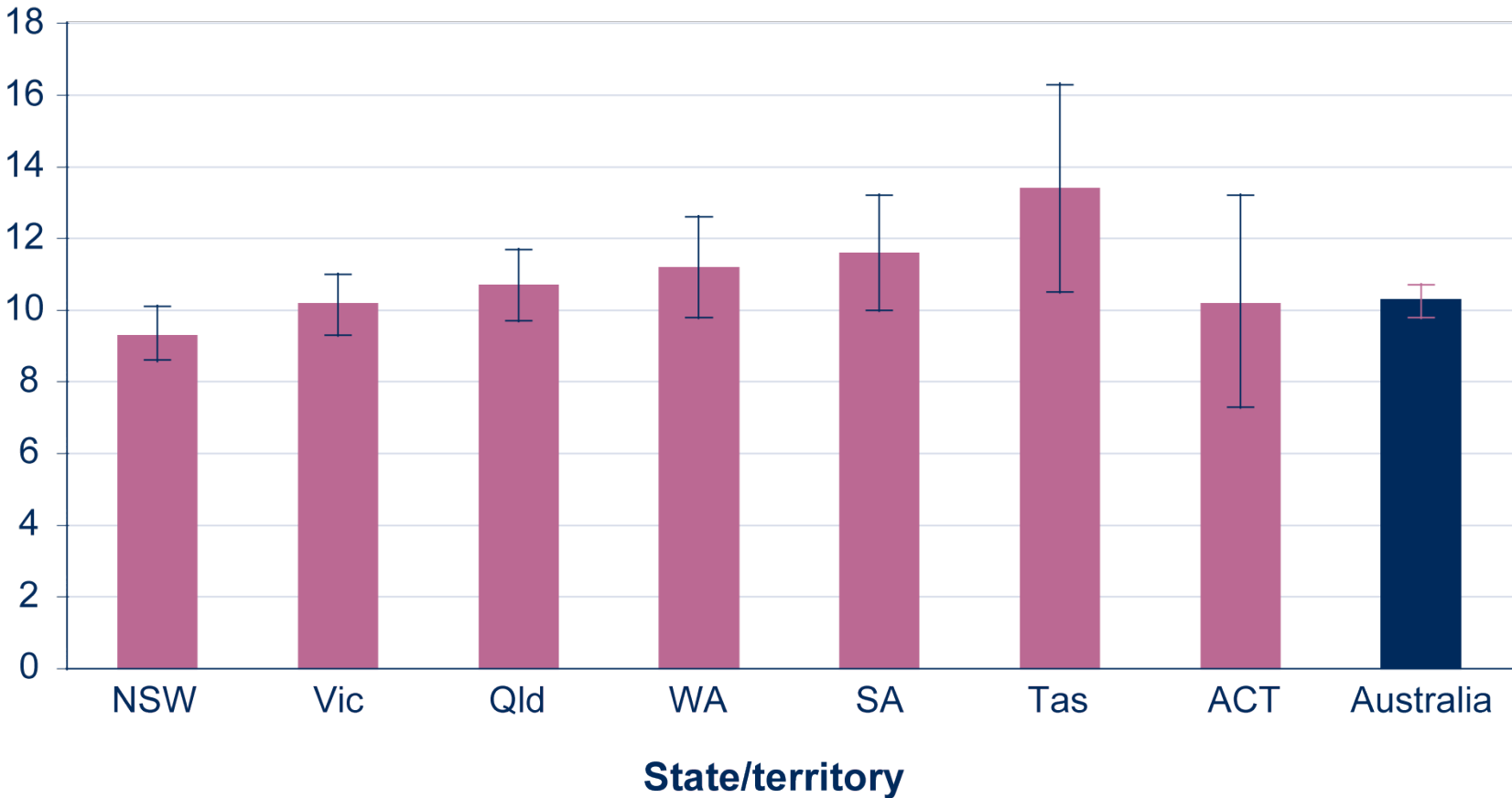


Prevalence of current asthma by state/territory

Australia, 2004–05



Prevalence of current asthma (per cent)

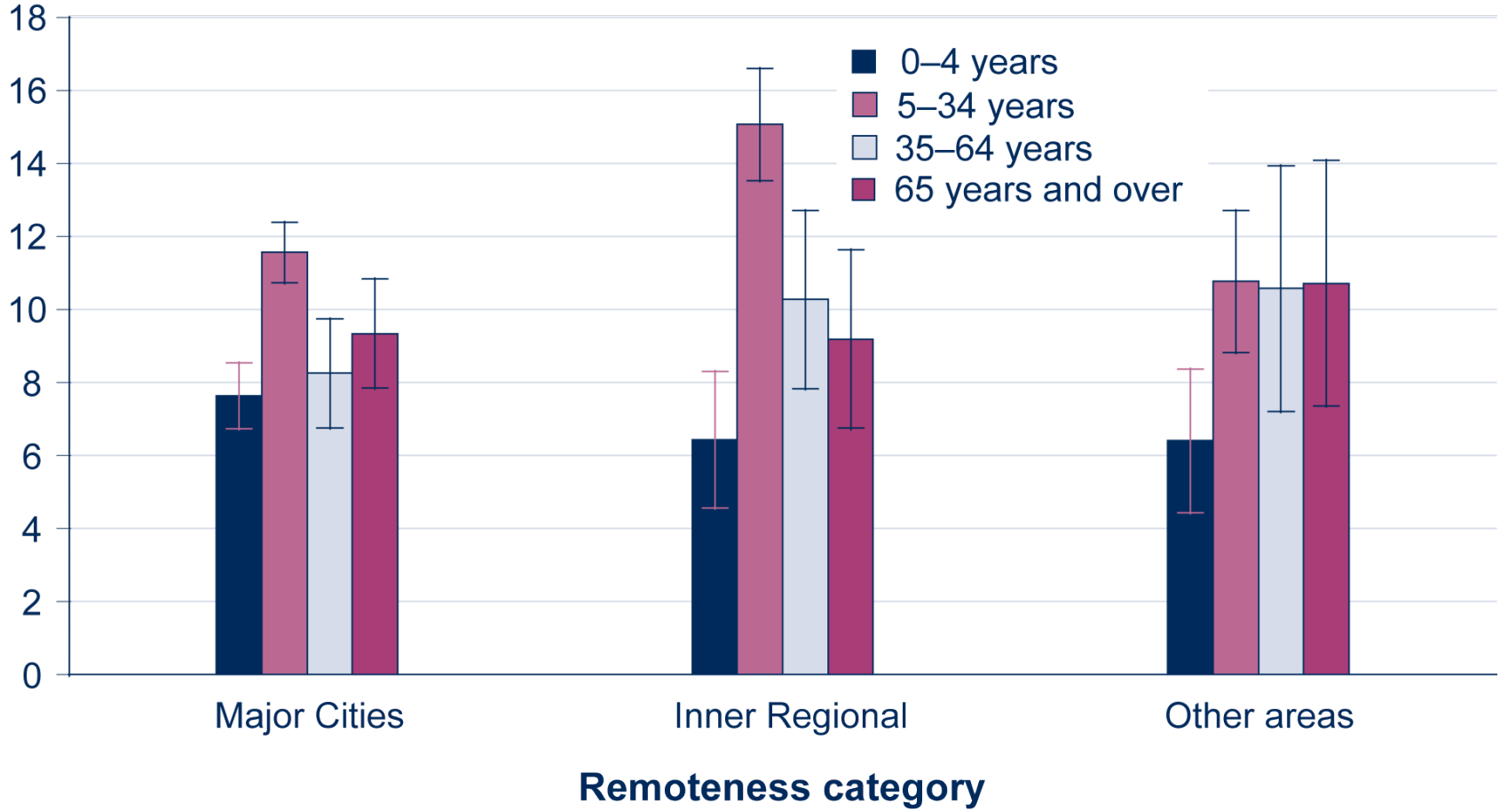


Prevalence of current asthma by remoteness

Australia, 2004–05



Prevalence of current asthma (per cent)

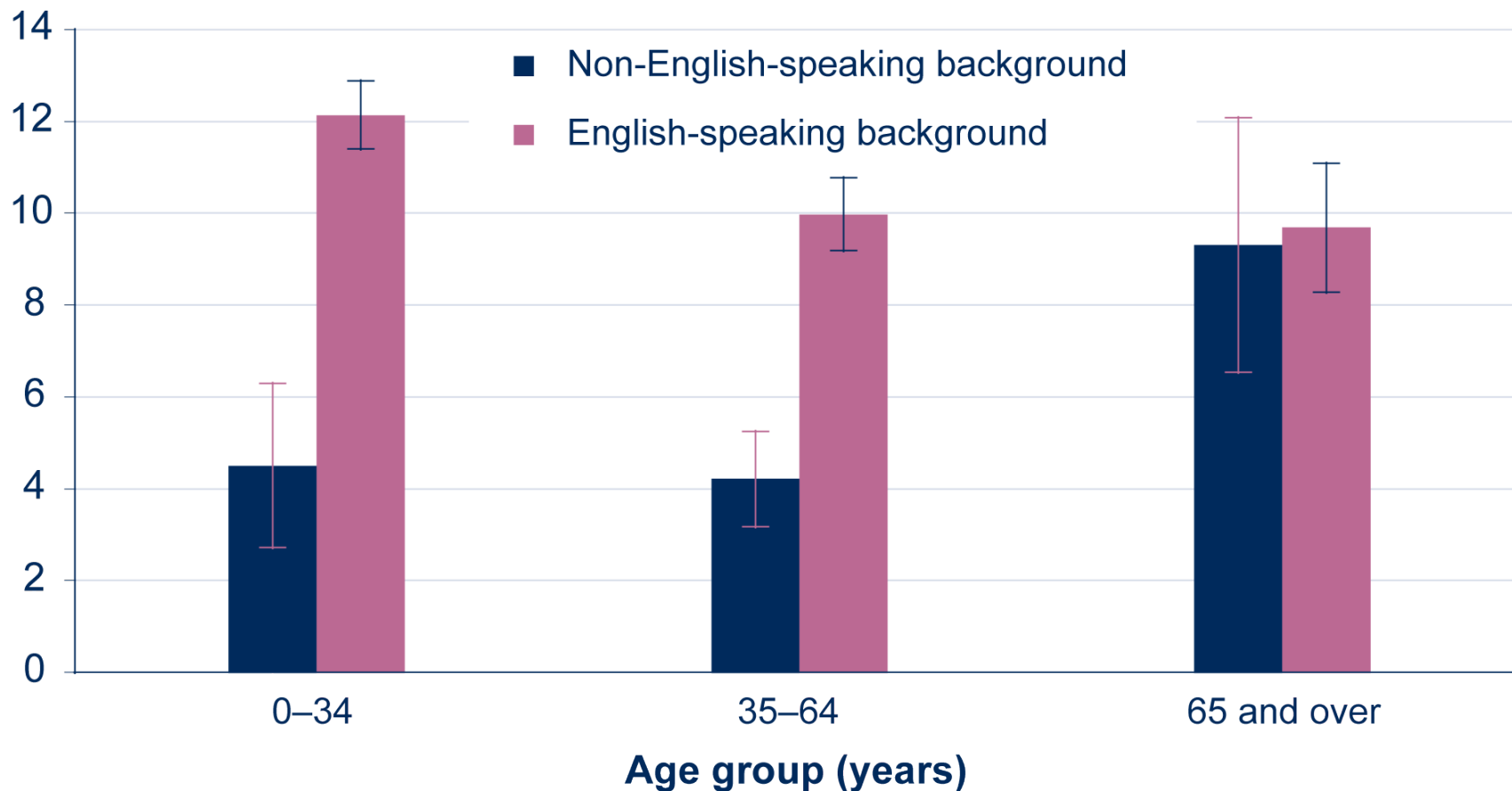


Prevalence of current asthma by country of birth

Australia, 2004–05



Prevalence of current asthma (per cent)

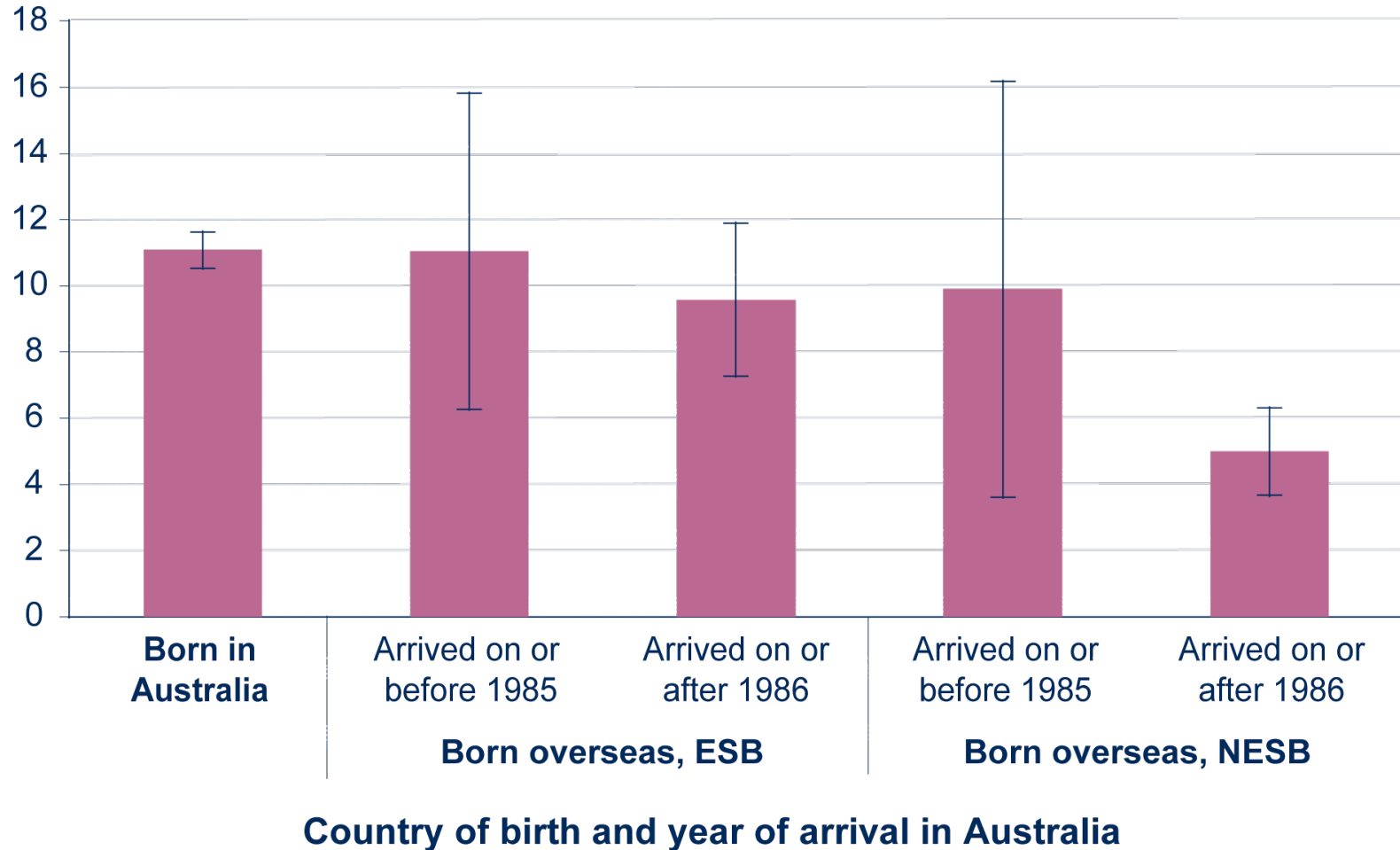


Prevalence of current asthma by country of birth and year of arrival in Australia

Australia, 2004–05



Prevalence of current asthma (per cent)

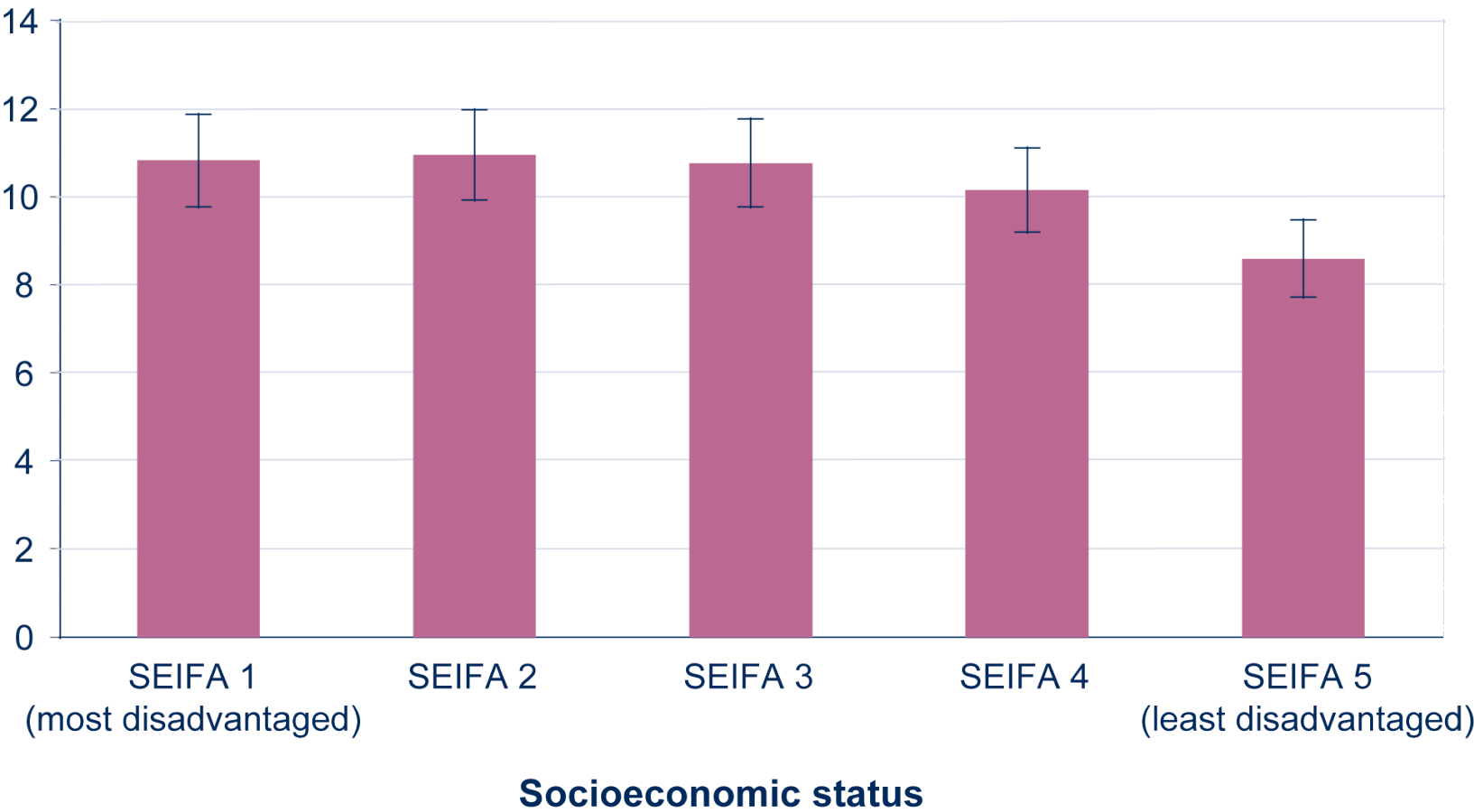


Prevalence of current asthma by socioeconomic status

Australia, 2004–05



Prevalence of current asthma (per cent)

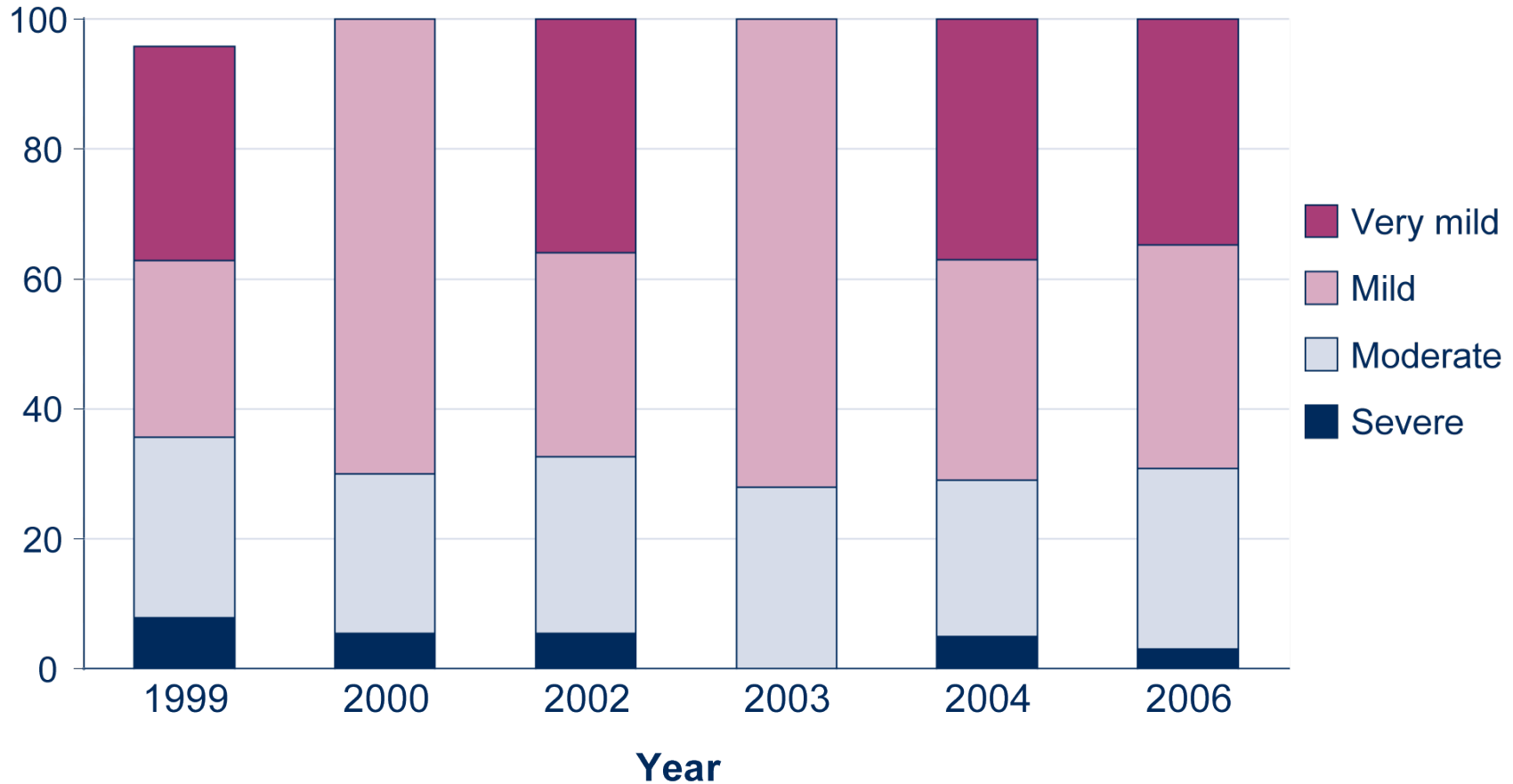


Severity of asthma among adults attending GPs

Australia, 1999–2006



Proportion of adults with asthma (per cent)

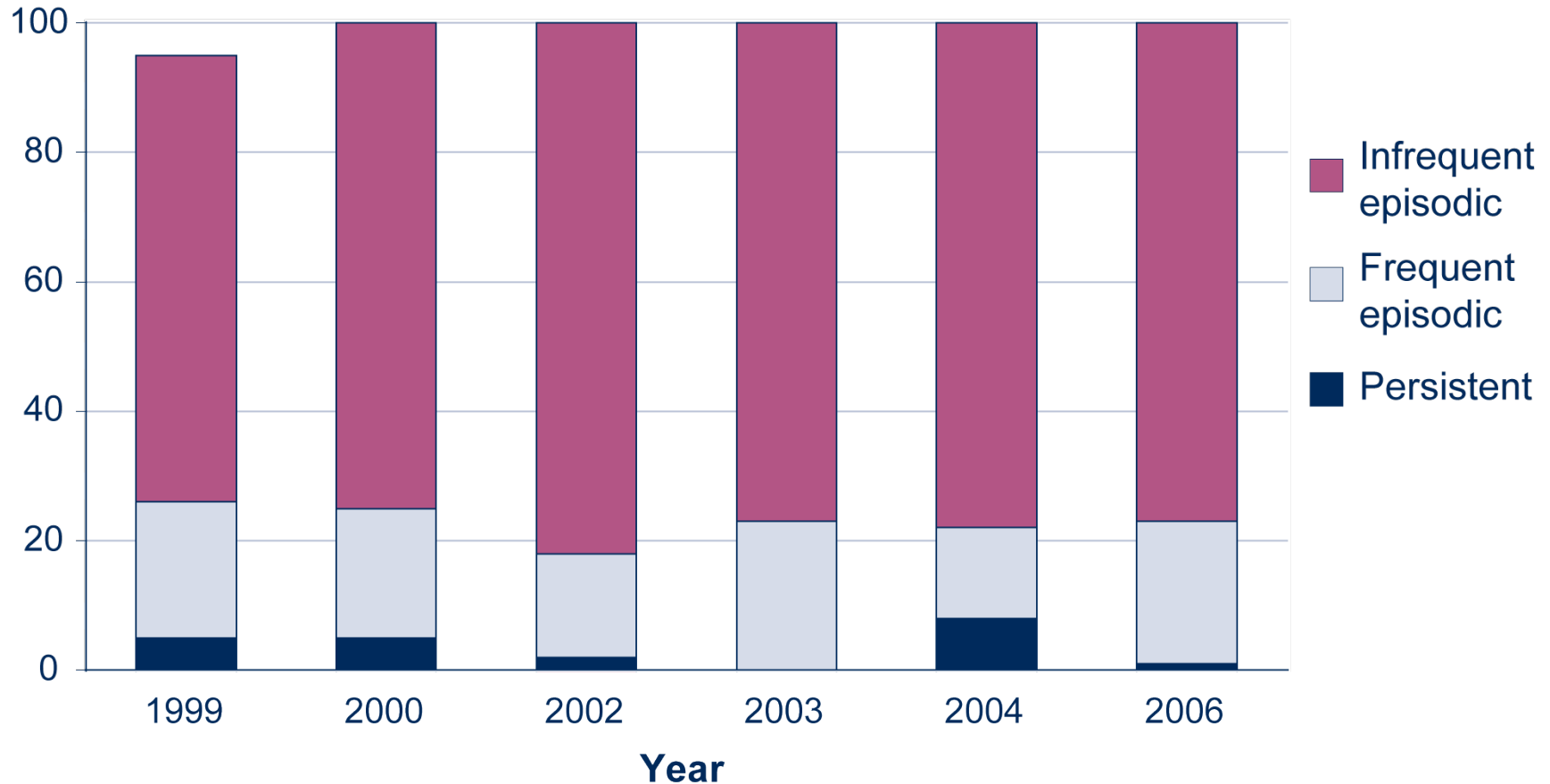


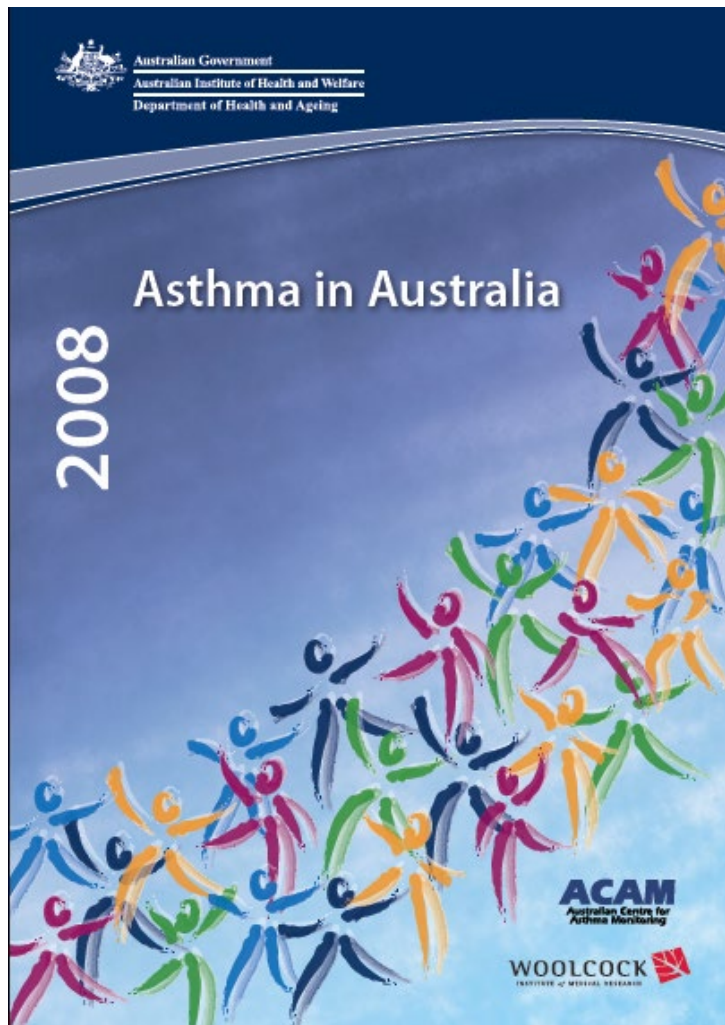
Severity of asthma among children attending GPs

Australia, 1999–2006



Proportion of children with asthma (per cent)





Asthma in Australia 2008

Mortality

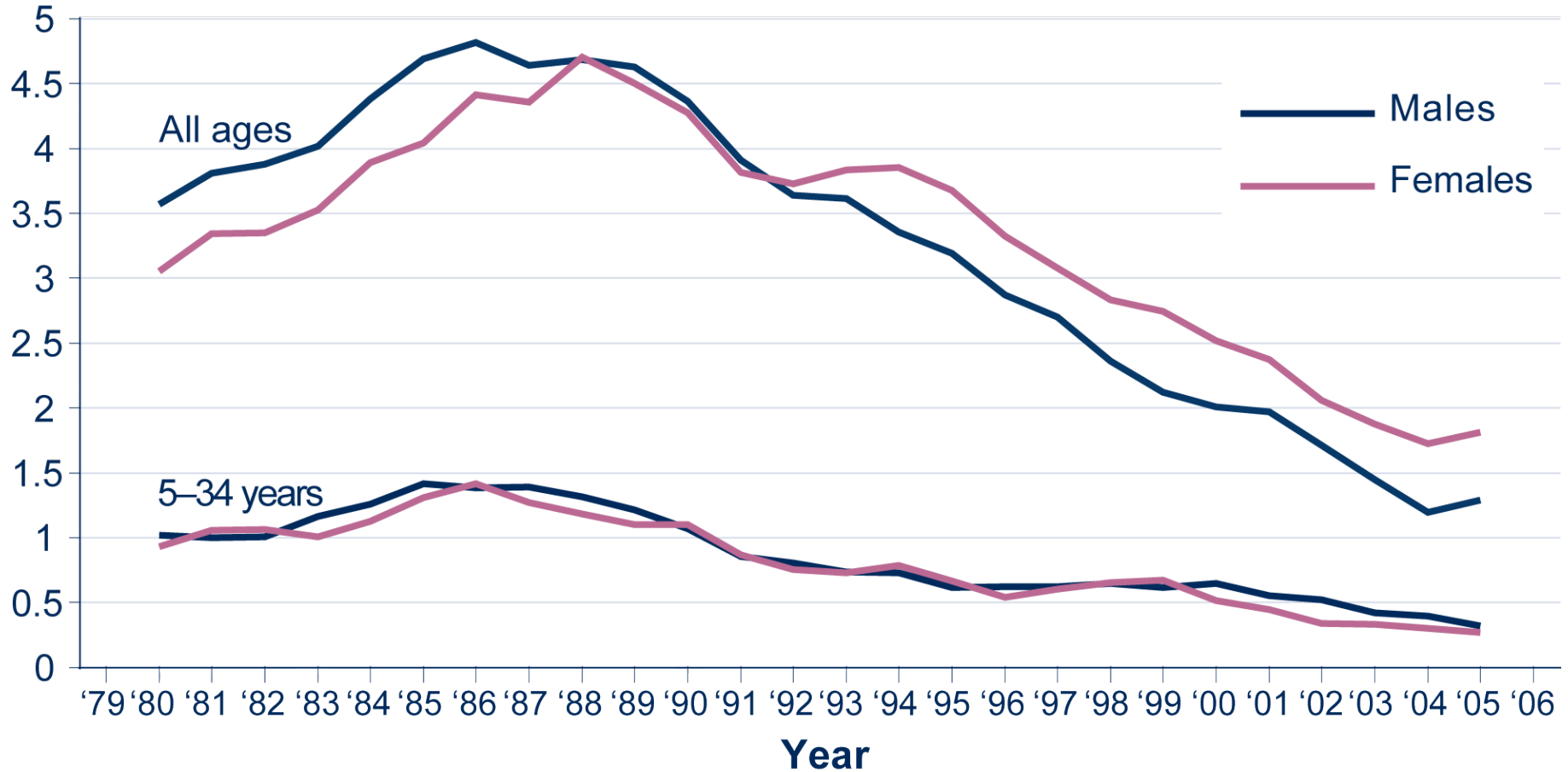


Time trends in asthma deaths, 3 year moving average by sex

Australia, 1979–2006



Deaths per 100,000 population

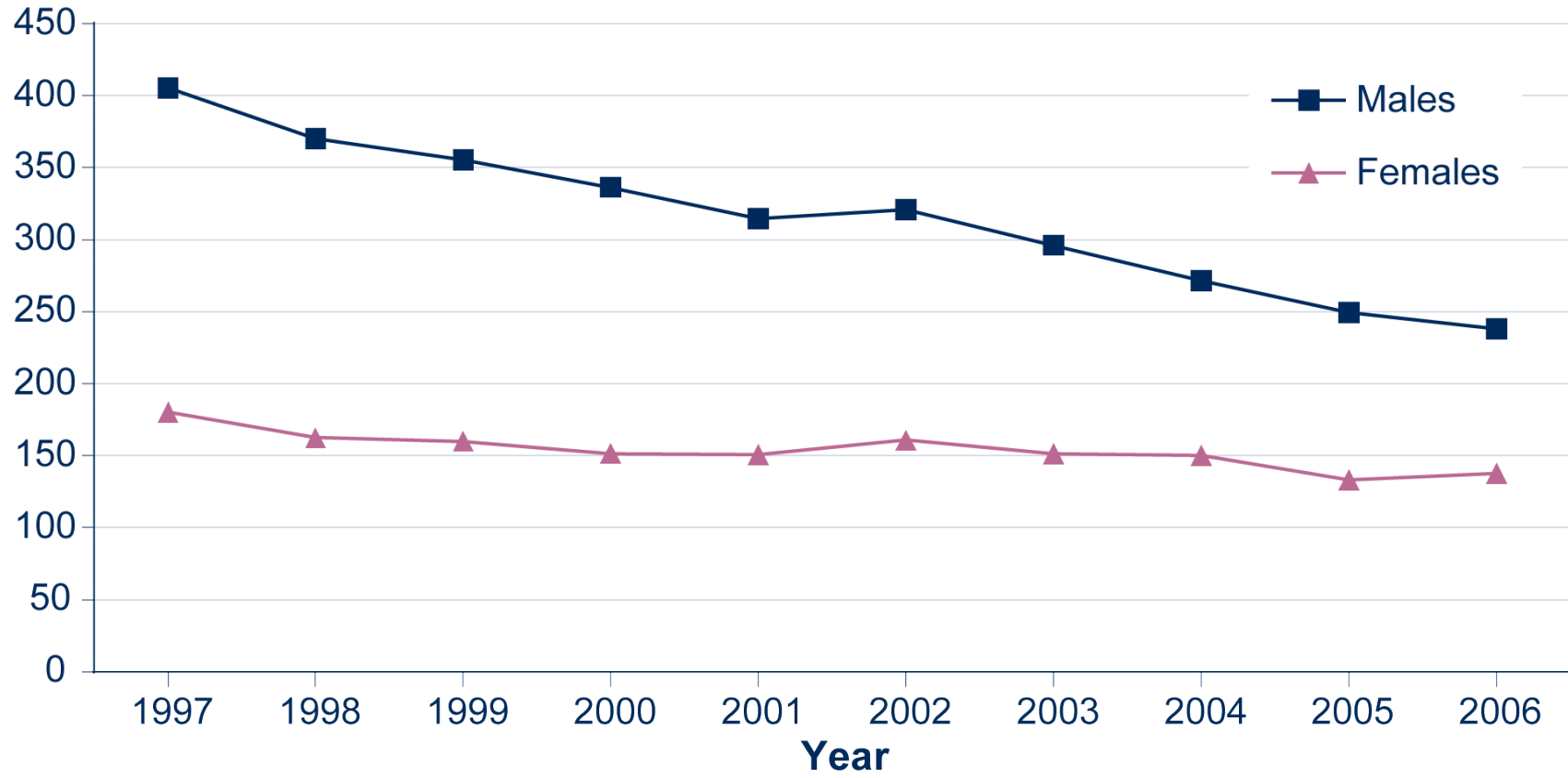


Deaths due to all obstructive lung disease by sex, people aged 65 years and over

Australia, 1997–2006

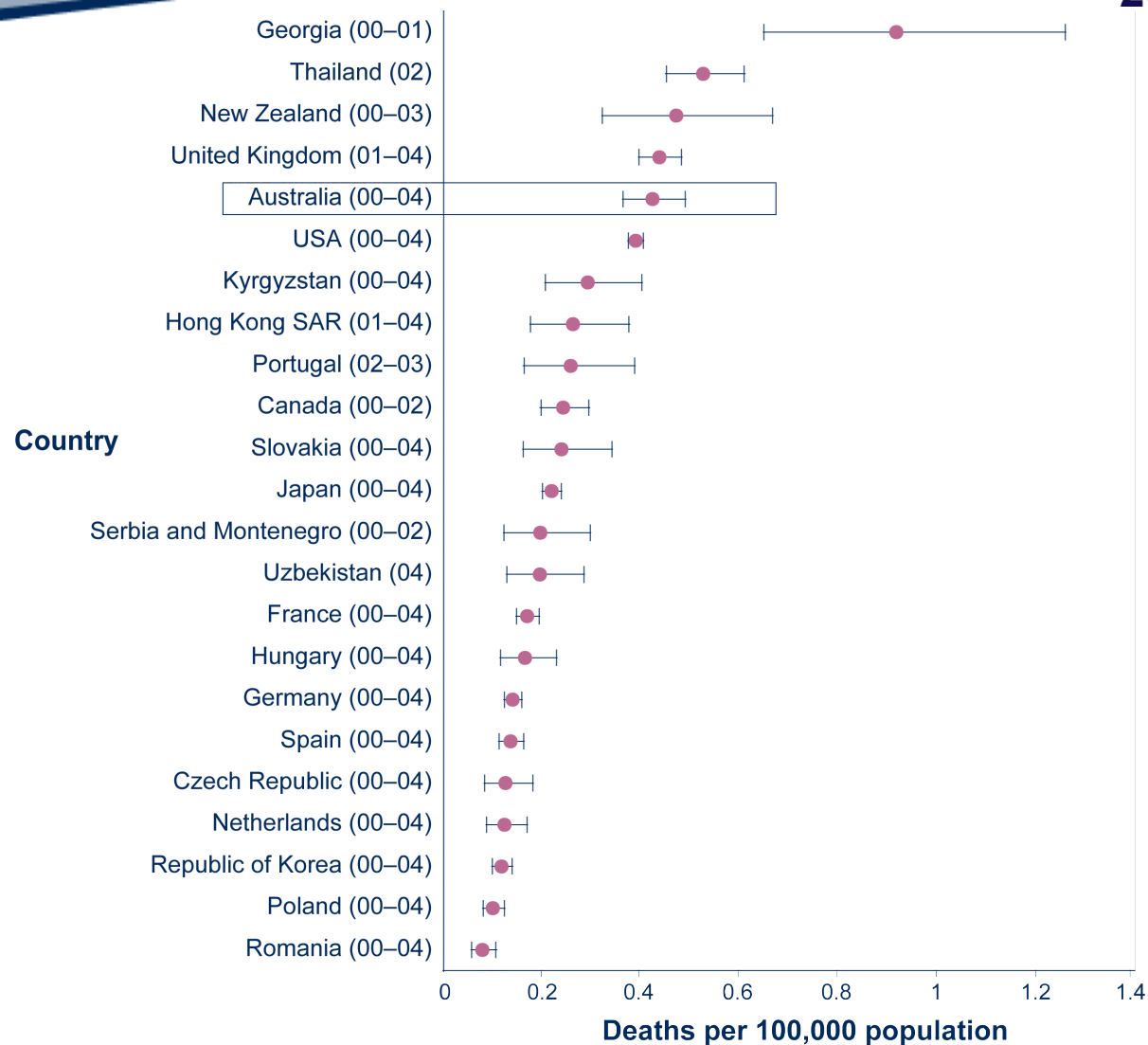


Deaths per 100,000 population



World ranking of asthma mortality, people aged 5–34 years

2000–2004

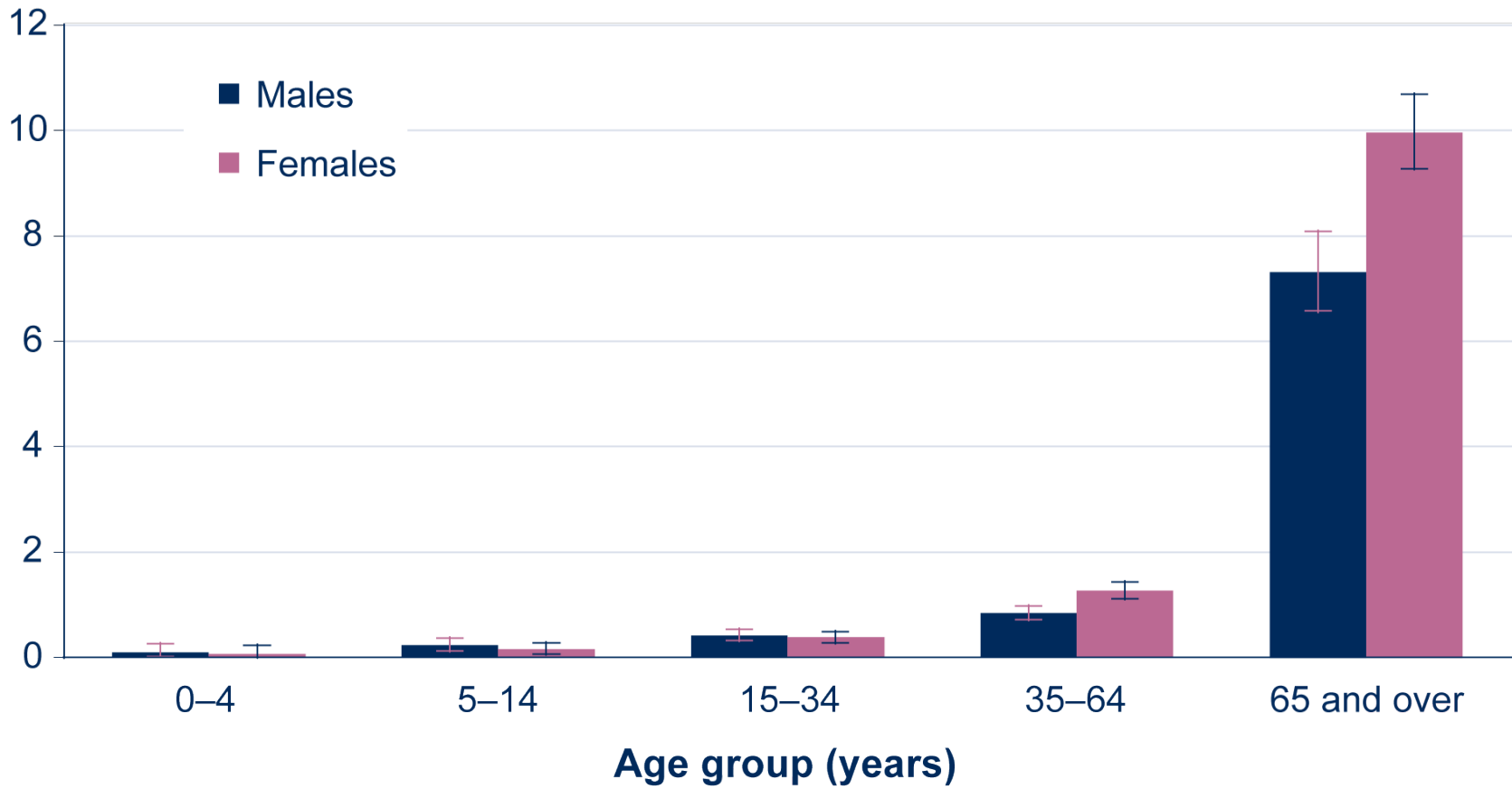


Deaths due to asthma by age and sex

Australia, 2002–2006



Deaths per 100,000 population

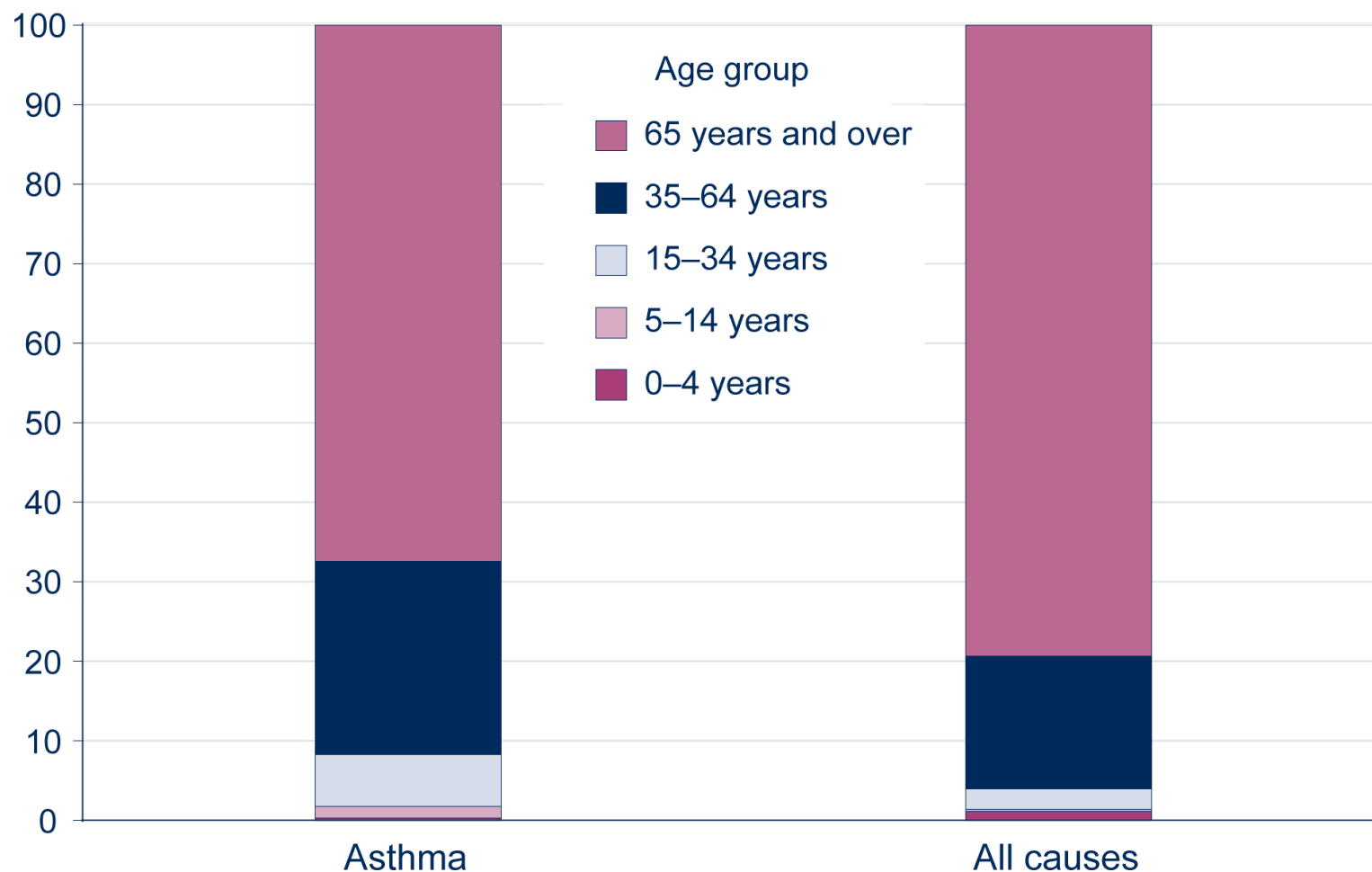


Age distribution for asthma and all cause mortality

Australia, 2002–2006



Proportion (per cent)

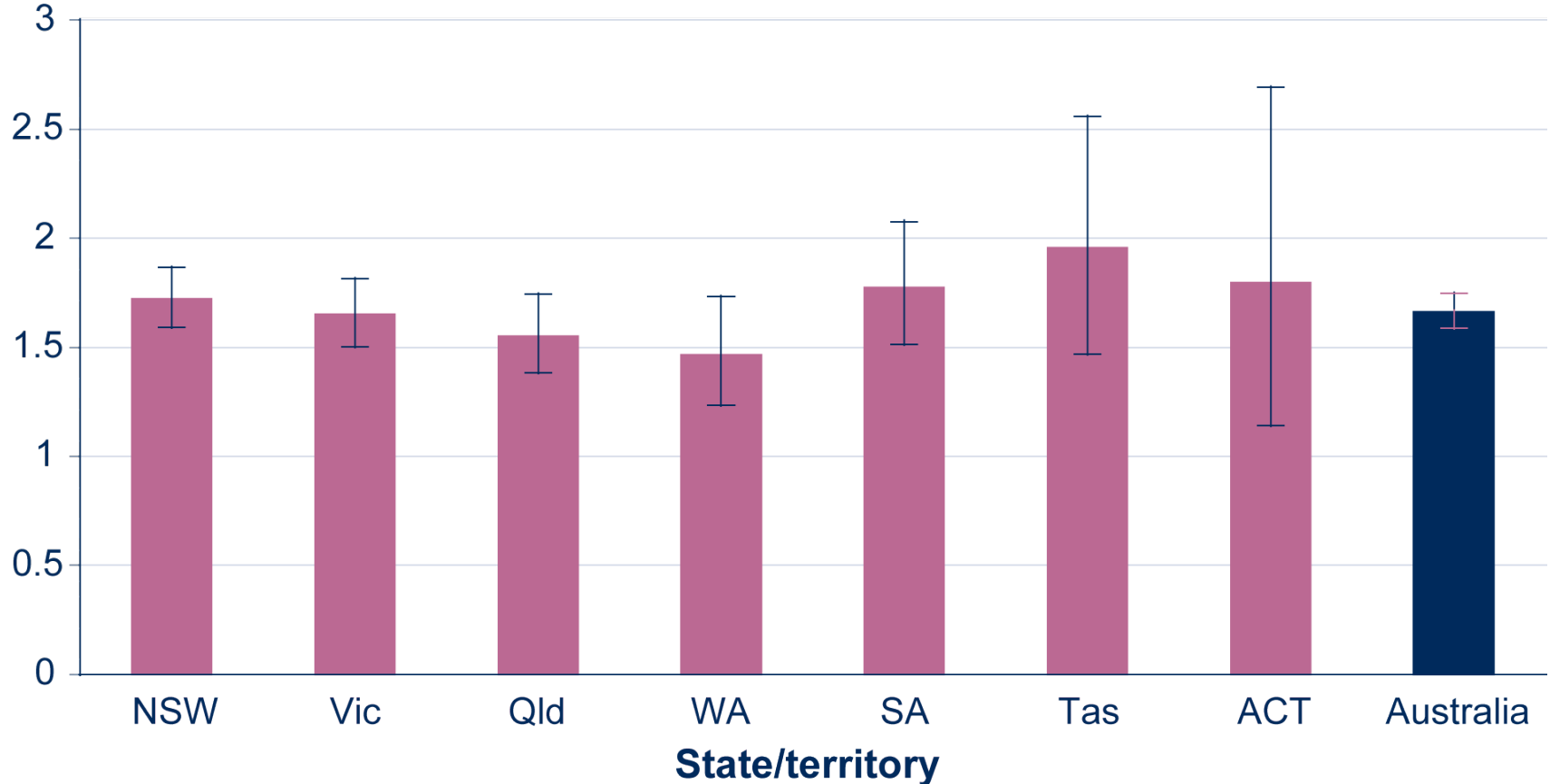


Deaths due to asthma by state/territory

Australia, 2002–2006

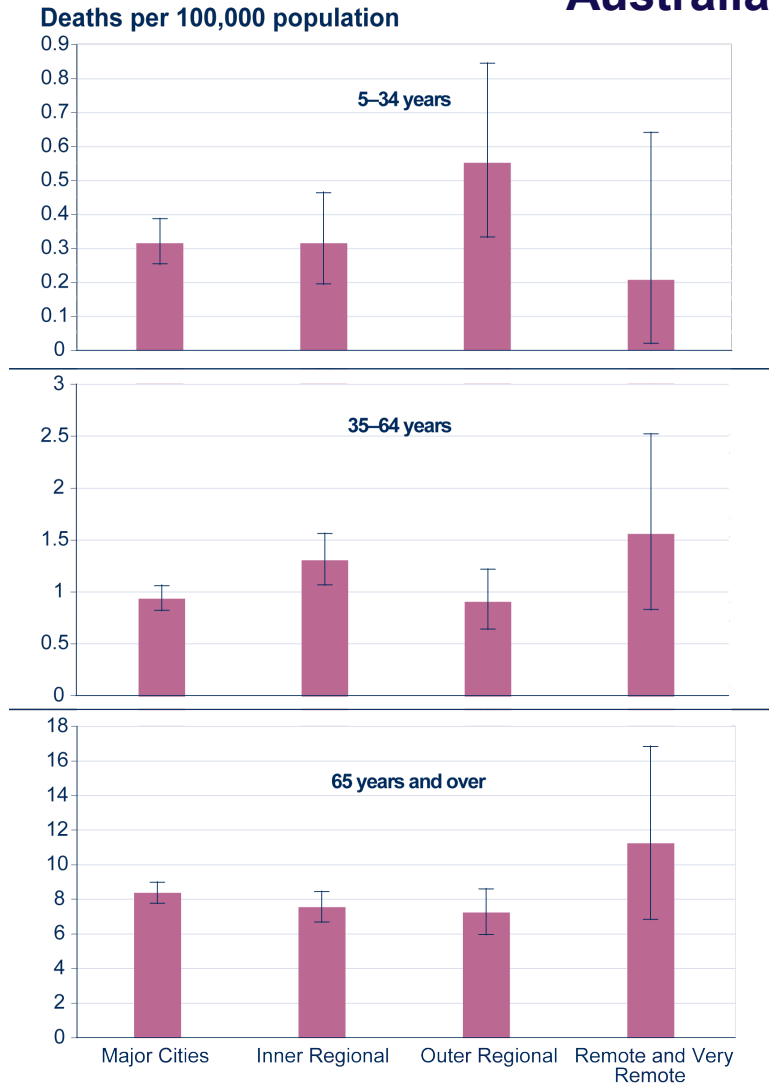


Deaths per 100,000 population



Deaths due to asthma by remoteness and age

Australia, 2002–2006

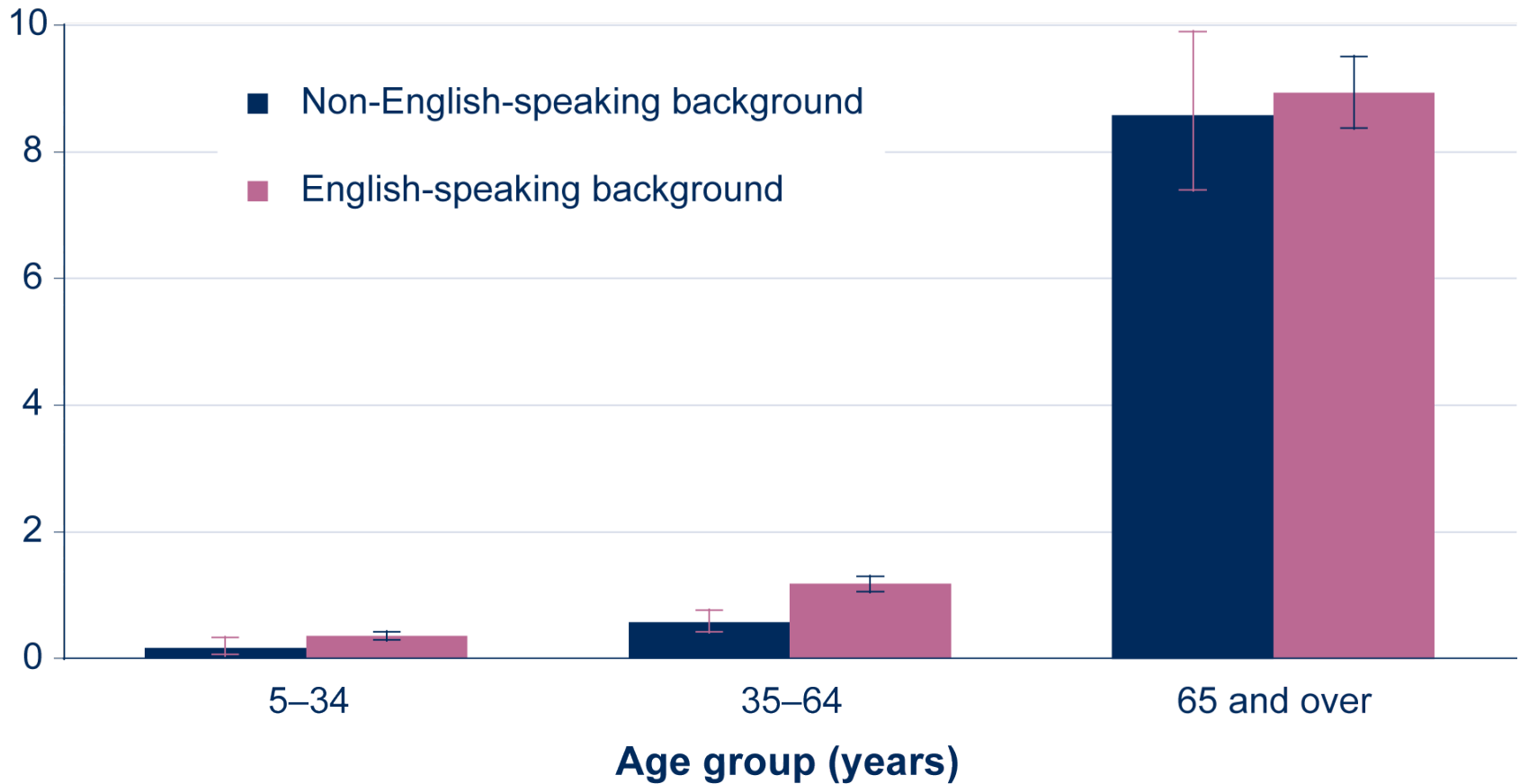


Deaths due to asthma by country of birth

Australia, 2002–2006



Deaths per 100,000 population

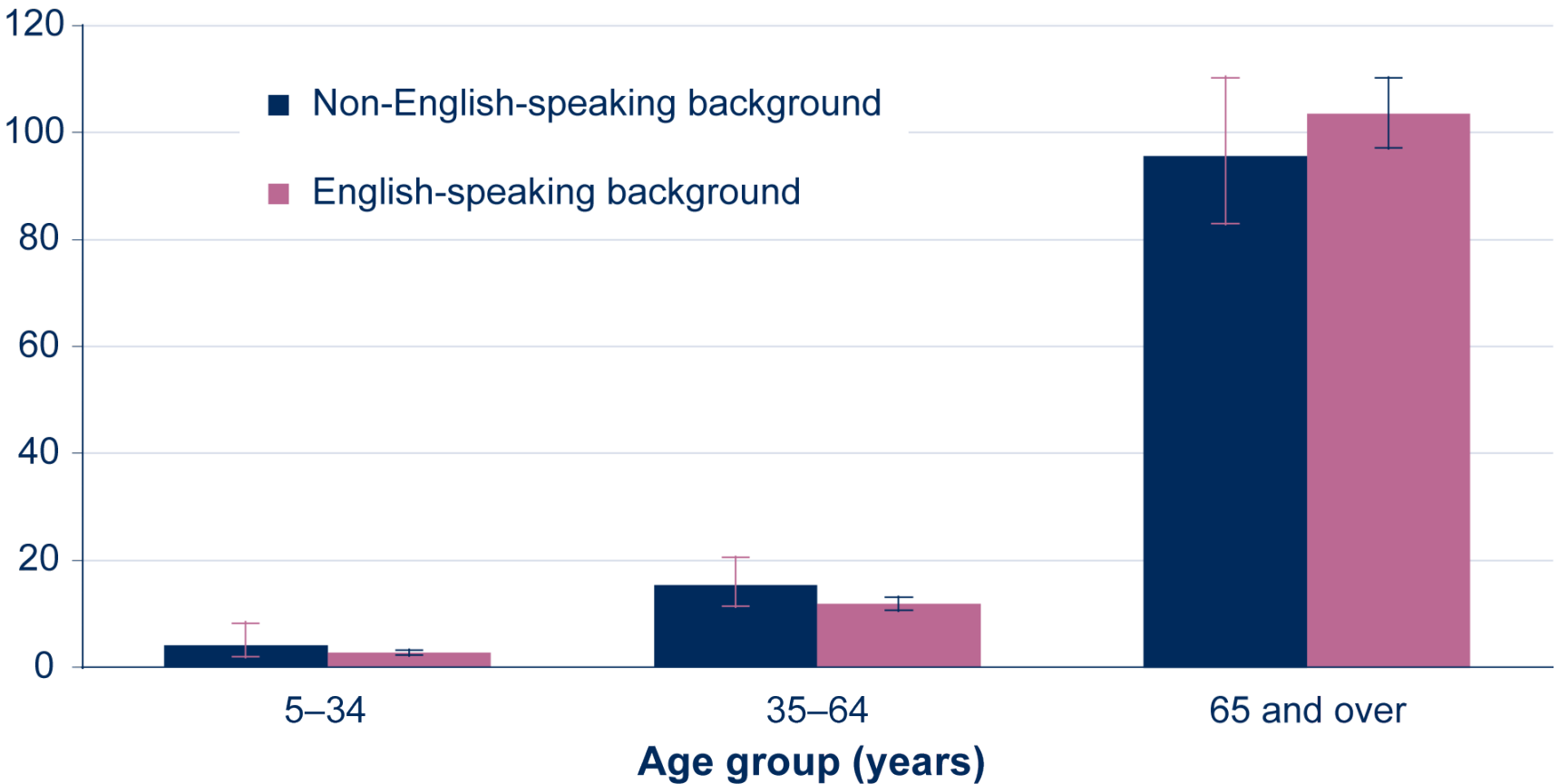


Deaths due to asthma (case rate) by country of birth

Australia, 2002–2006



Deaths per 100,000 people with asthma

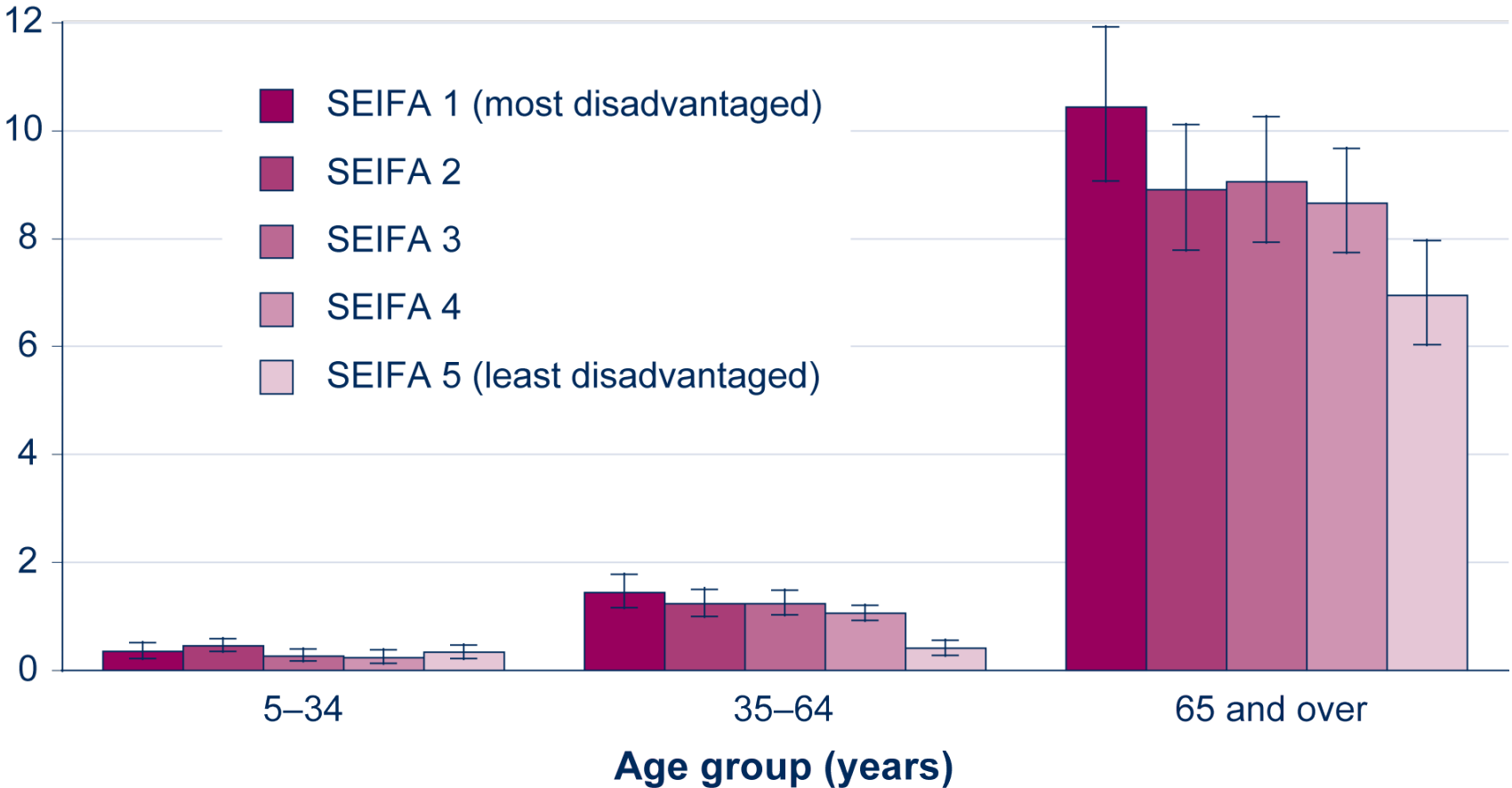


Deaths due to asthma by socioeconomic status

Australia, 2002–2006



Deaths per 100,000 population

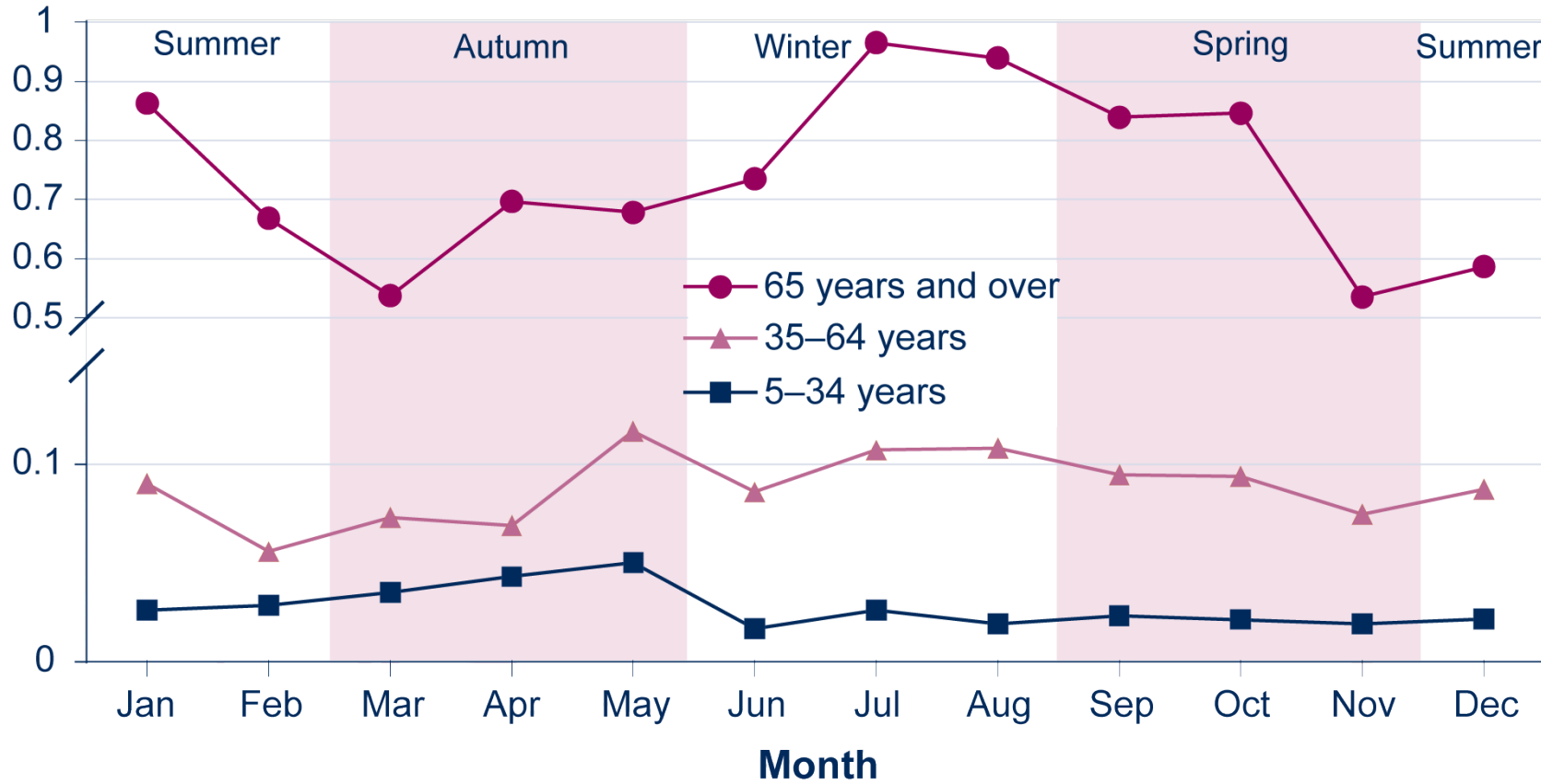


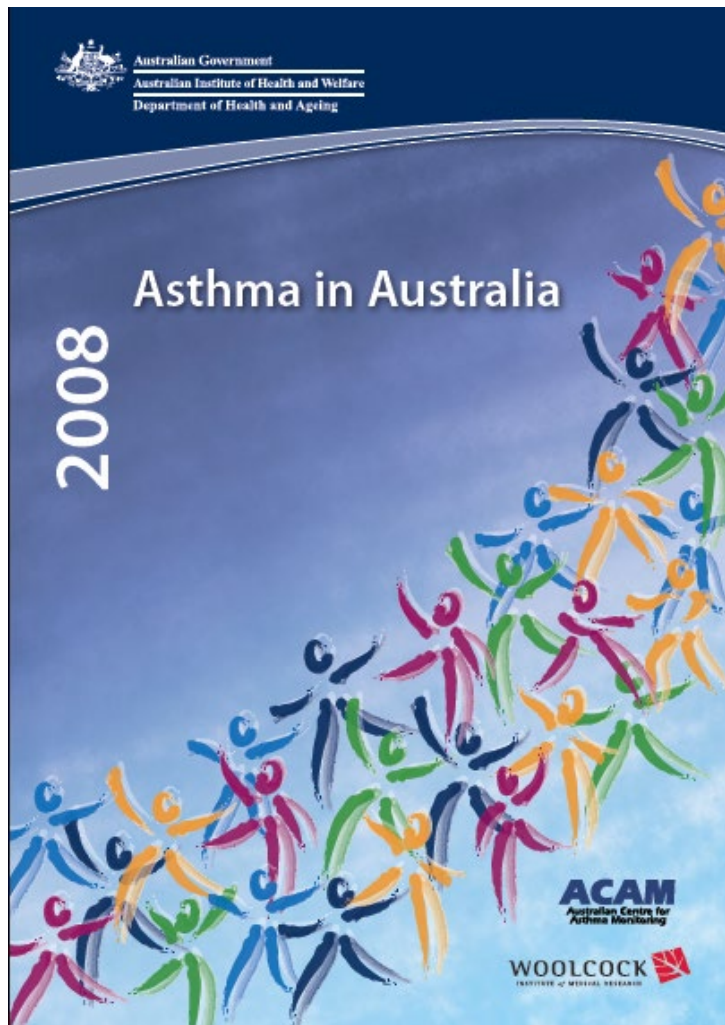
Seasonal variation in deaths due to asthma by age

Australia, 2002–2006



Deaths per 100,000 population





Asthma in Australia 2008

General practice encounters

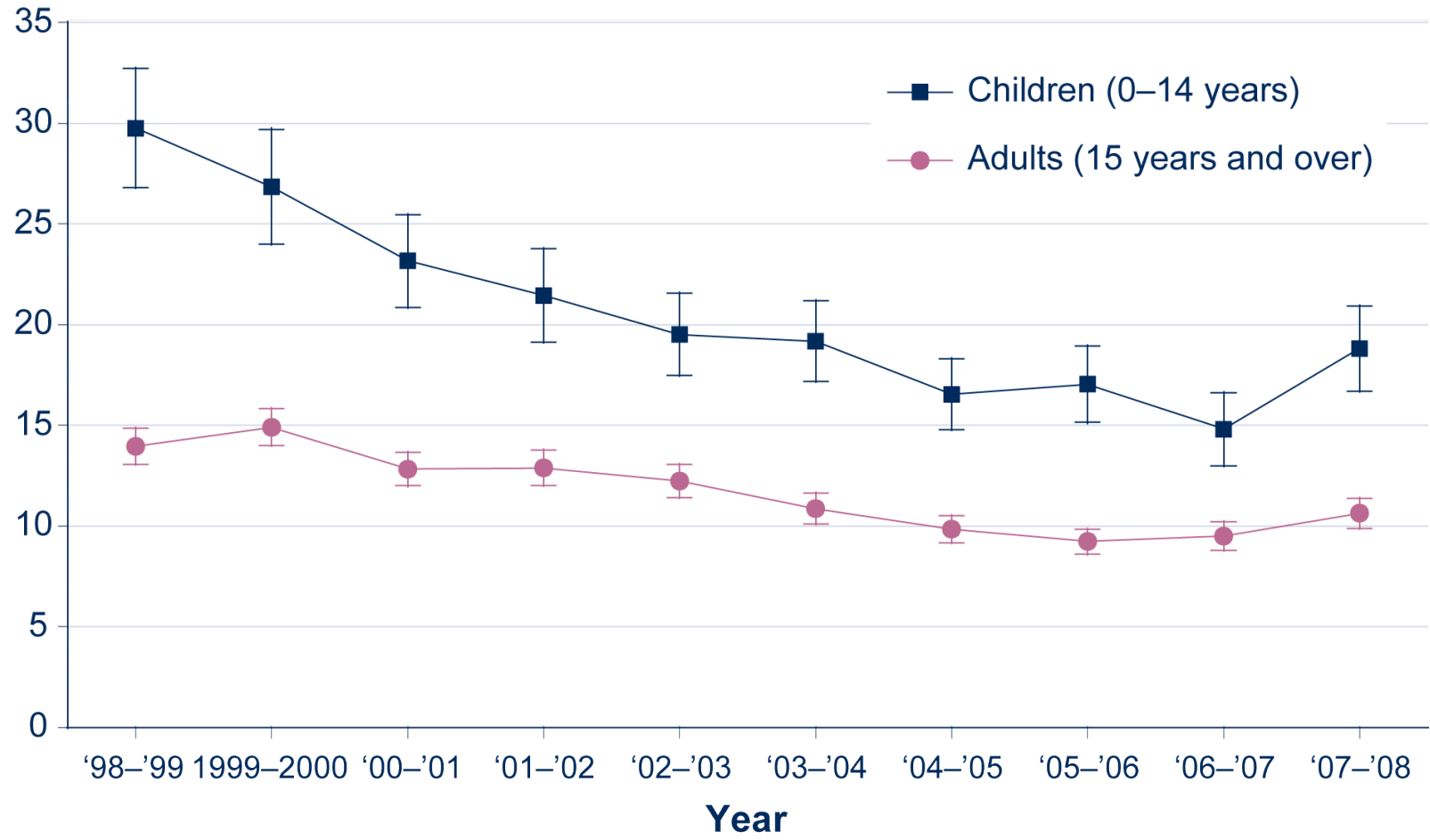


Time trends in general practice encounters for asthma

Australia, April 1998–March 2008



General practice encounters per 100 population

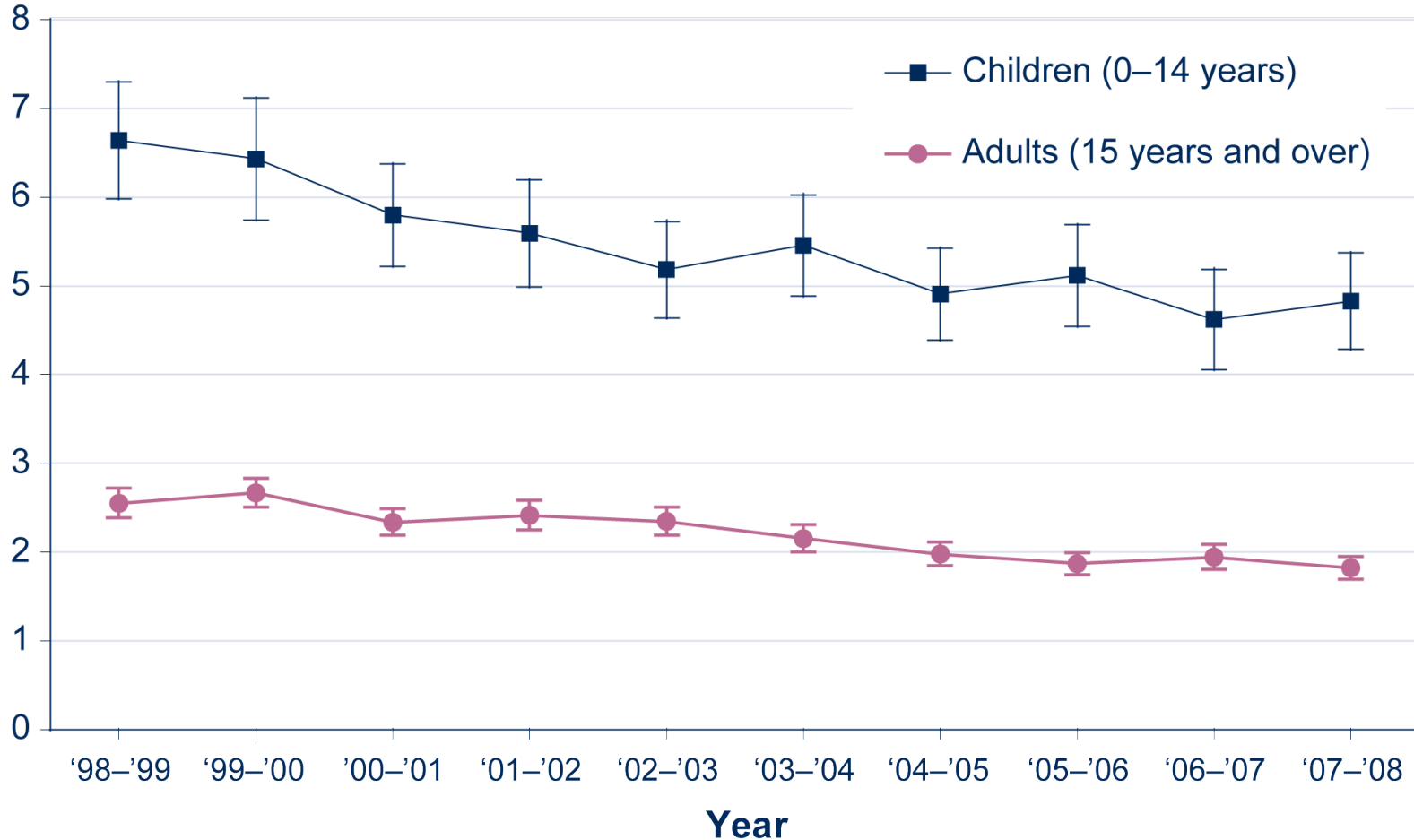


Time trends in the proportion of general practice encounters for asthma

Australia, April 1998–March 2008



Proportion of general practice encounters (per cent)

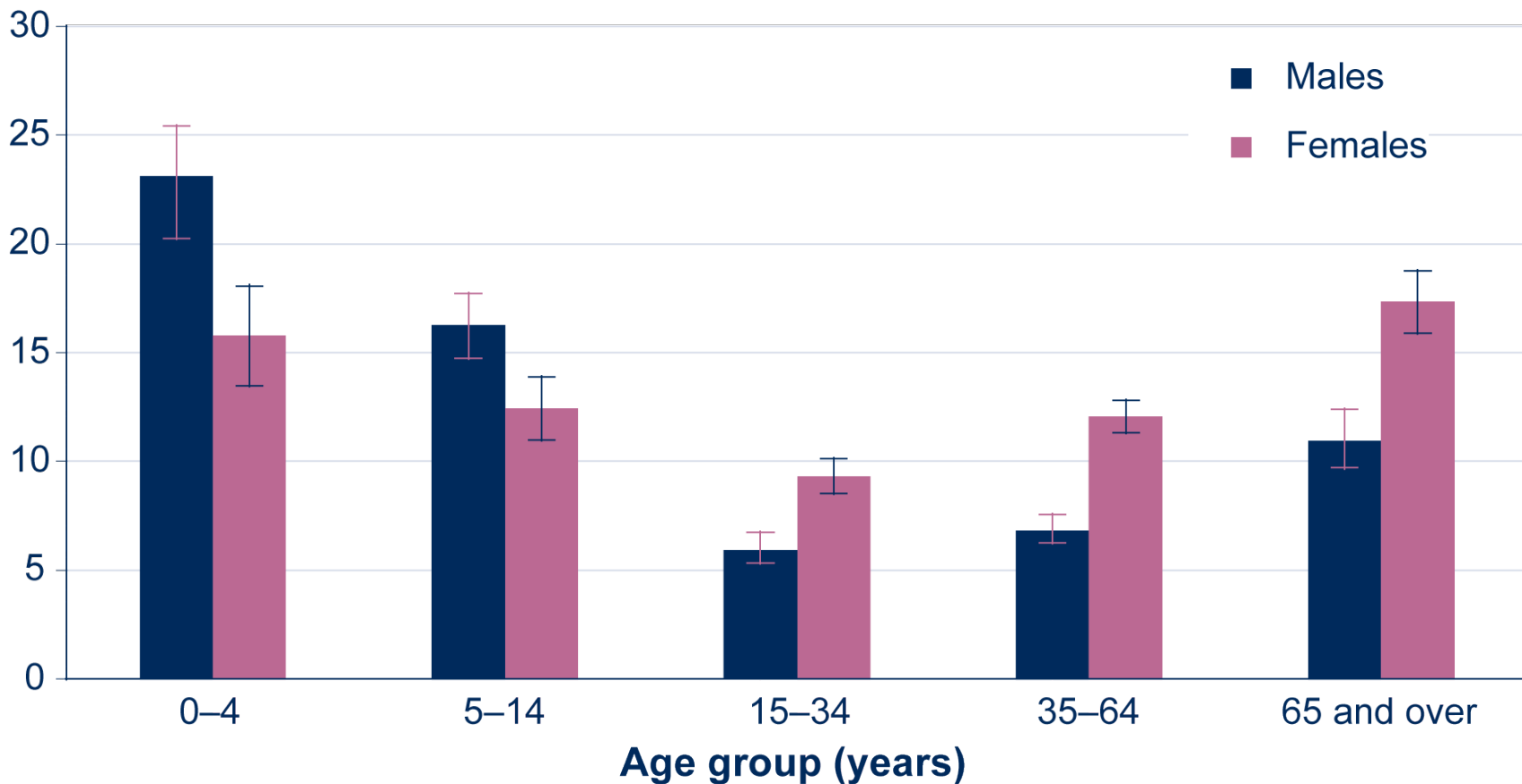


General practice encounters for asthma by age and sex

Australia, April 2004–March 2007



General practice encounters per 100 population

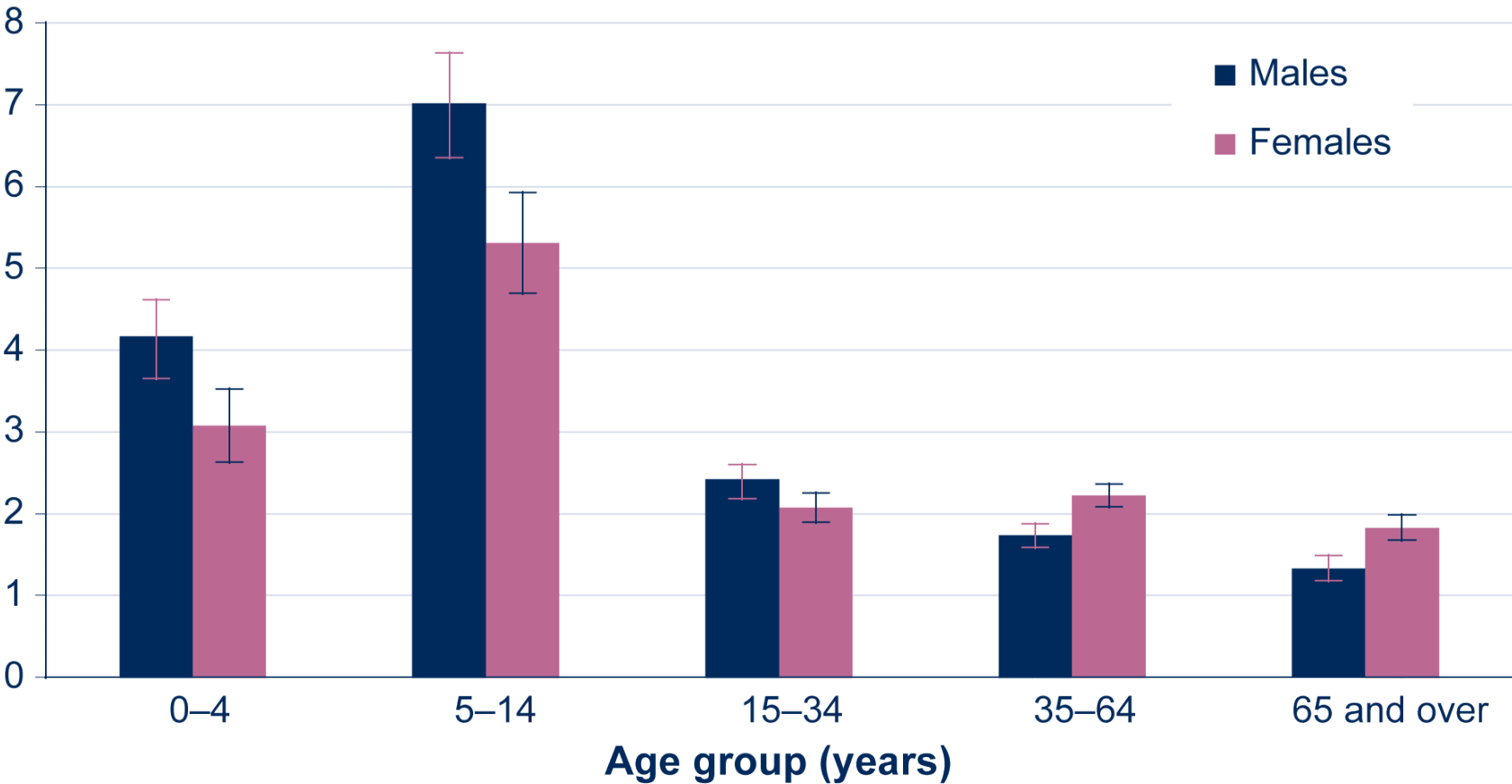


Proportion of general practice encounters for asthma by age and sex

Australia, April 2004–March 2007



Proportion of general practice encounters (per cent)

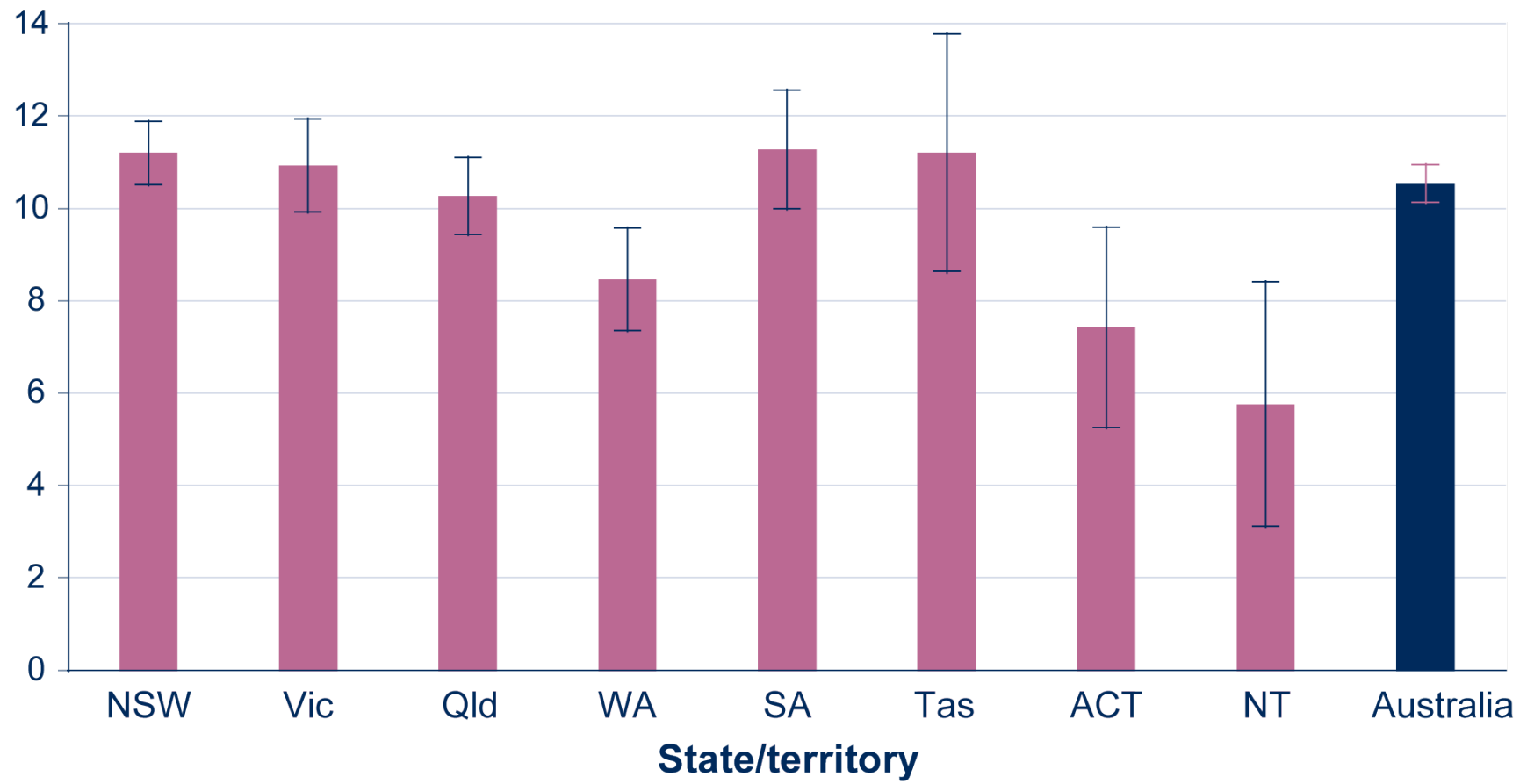


General practice encounters for asthma by state/territory

Australia, April 2004–March 2007



General practice encounters per 100 population

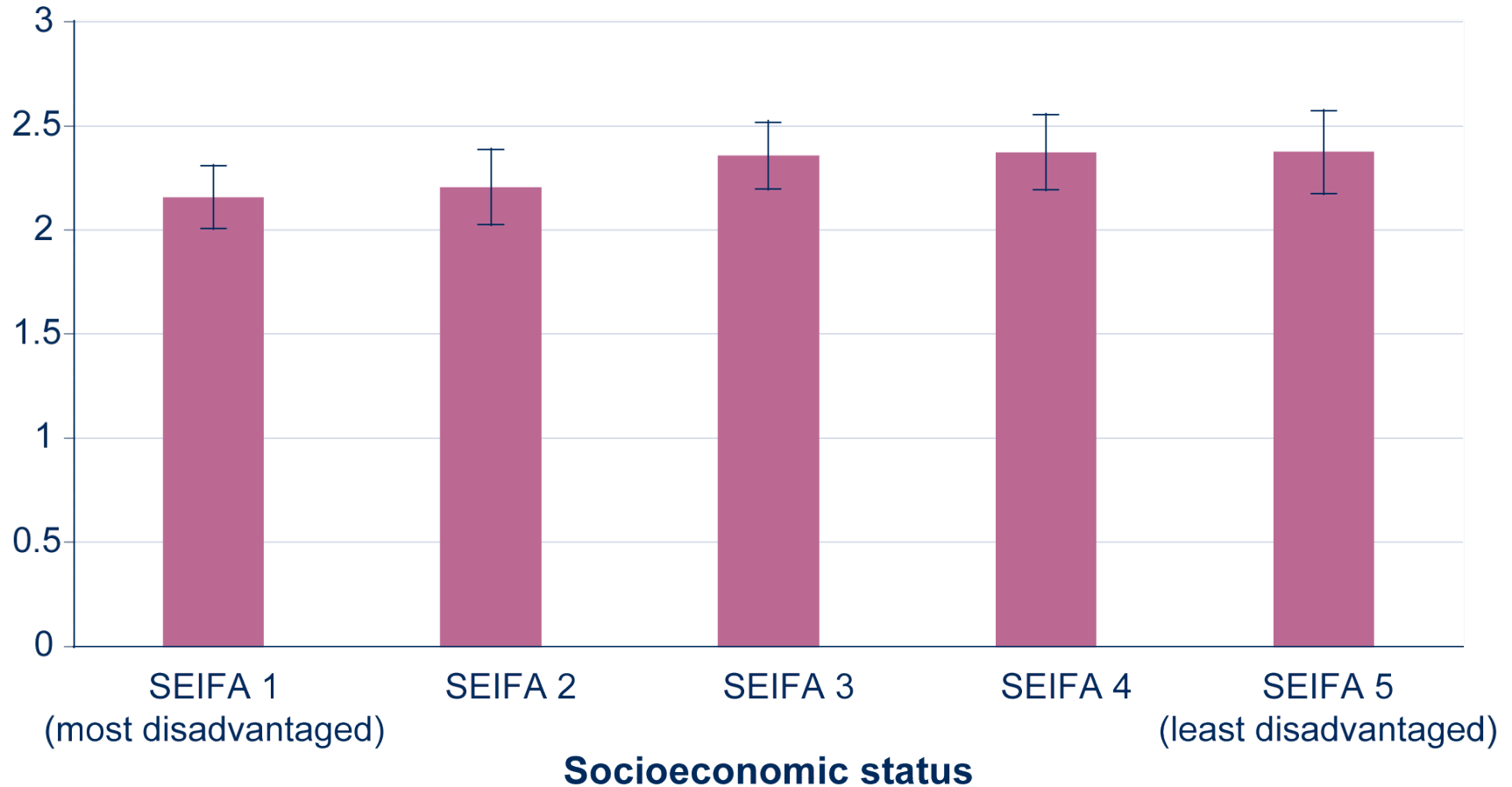


General practice encounters for asthma by socioeconomic status

Australia, April 2004–March 2007



Proportion of general practice encounters (per cent)

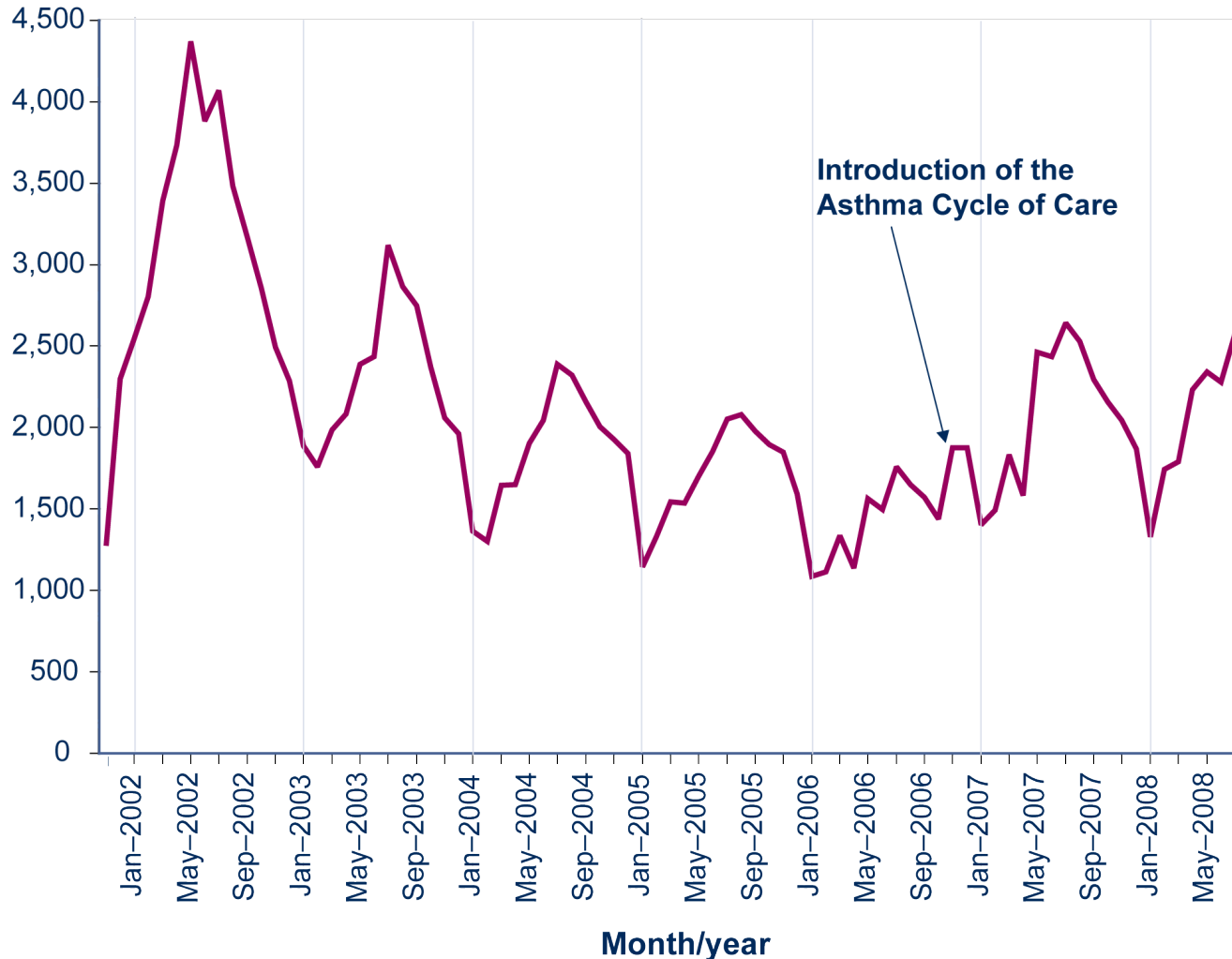


Time trends in claims for completed PIP Asthma Cycle of Care/Asthma 3+ Visit Plan

Australia, Nov 2001–Jul 2008



Number of claims

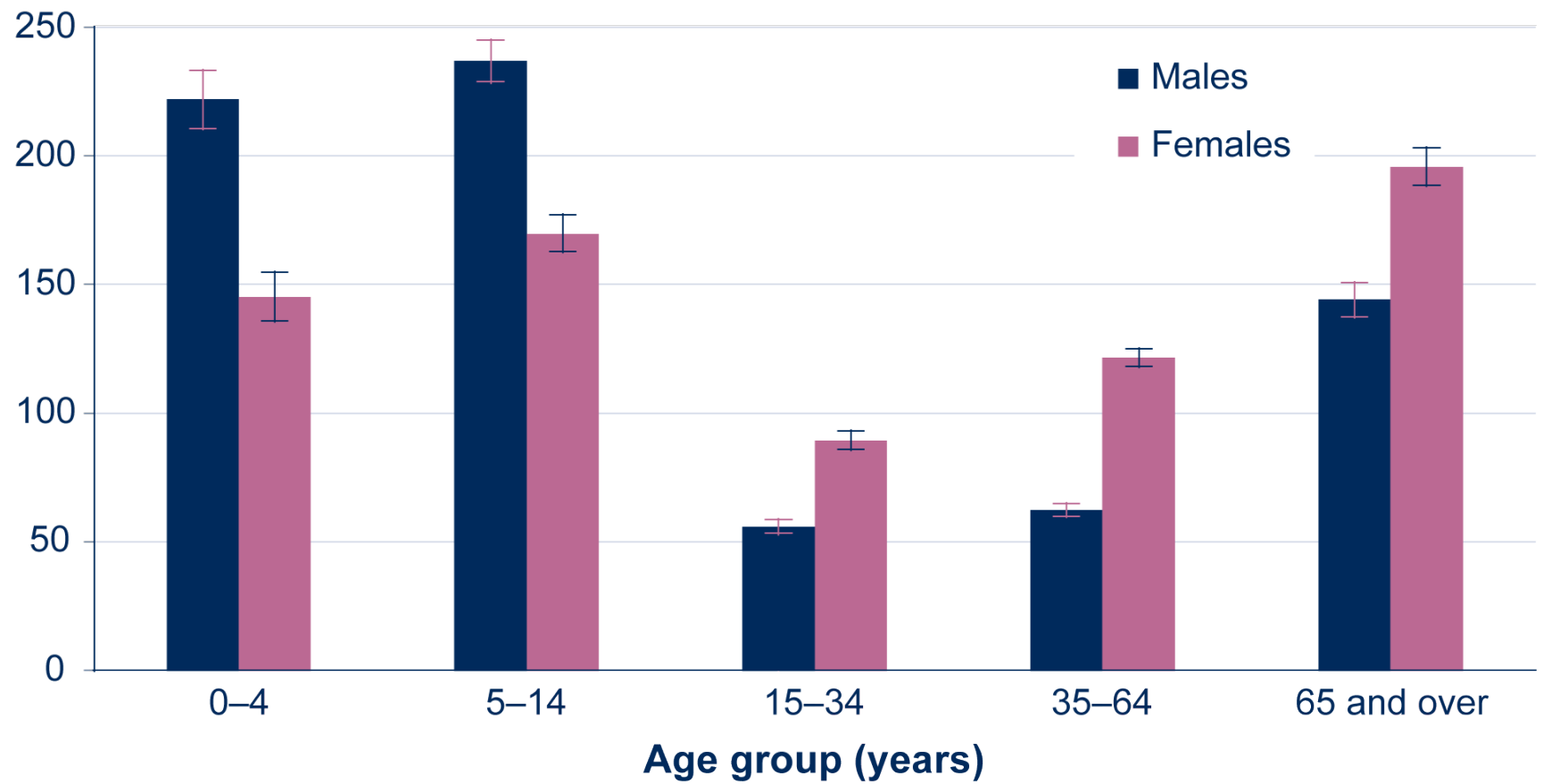


PIP Asthma Cycle of Care claims by age and sex

Australia, 2007



Claims per 100,000 population

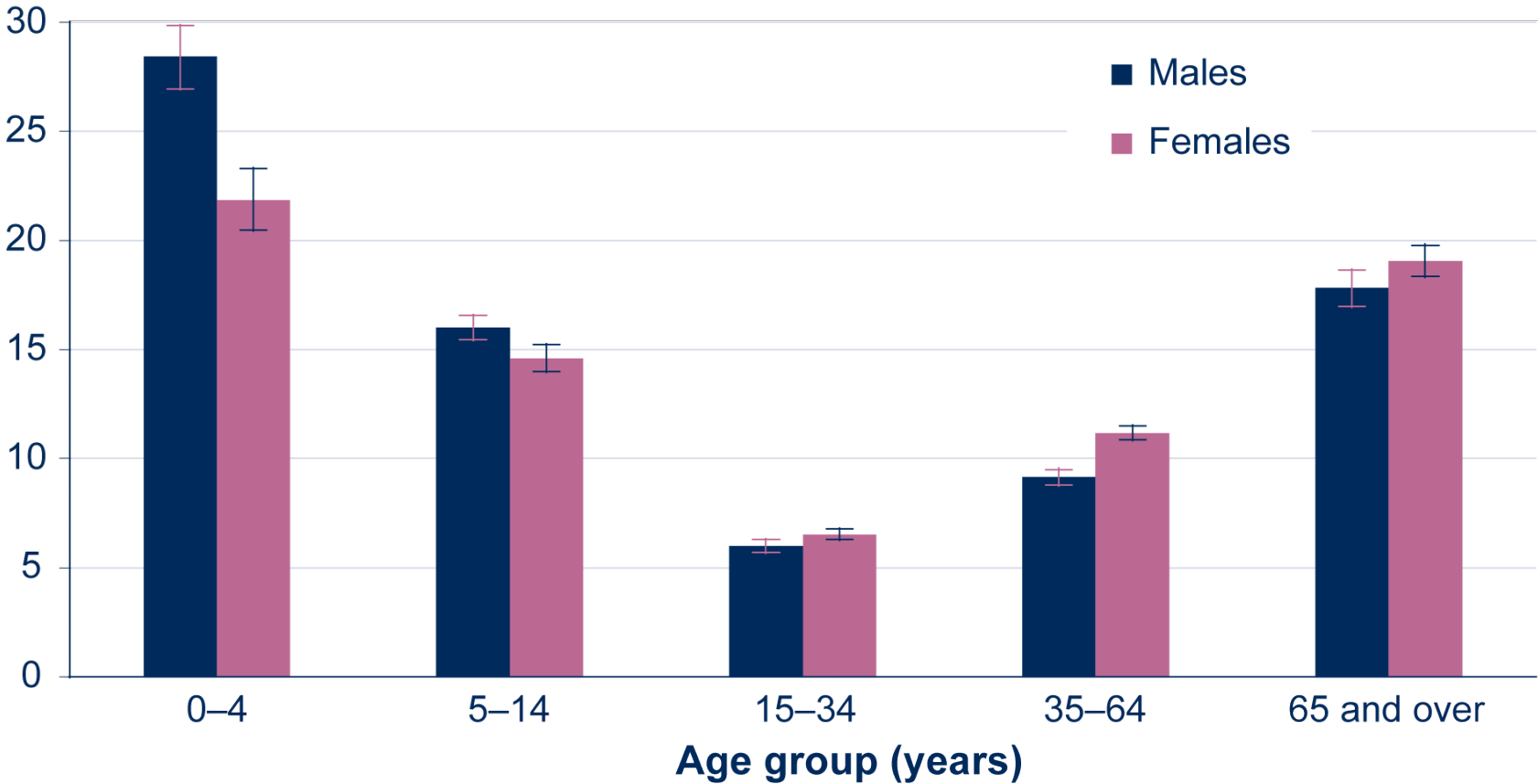


PIP Asthma Cycle of Care claims (case rate) by age and sex

Australia, 2007



Claims per 1,000 people with asthma



PIP Asthma Cycle of Care claims by state/territory

Australia, 2007



Claims per 100,000 population

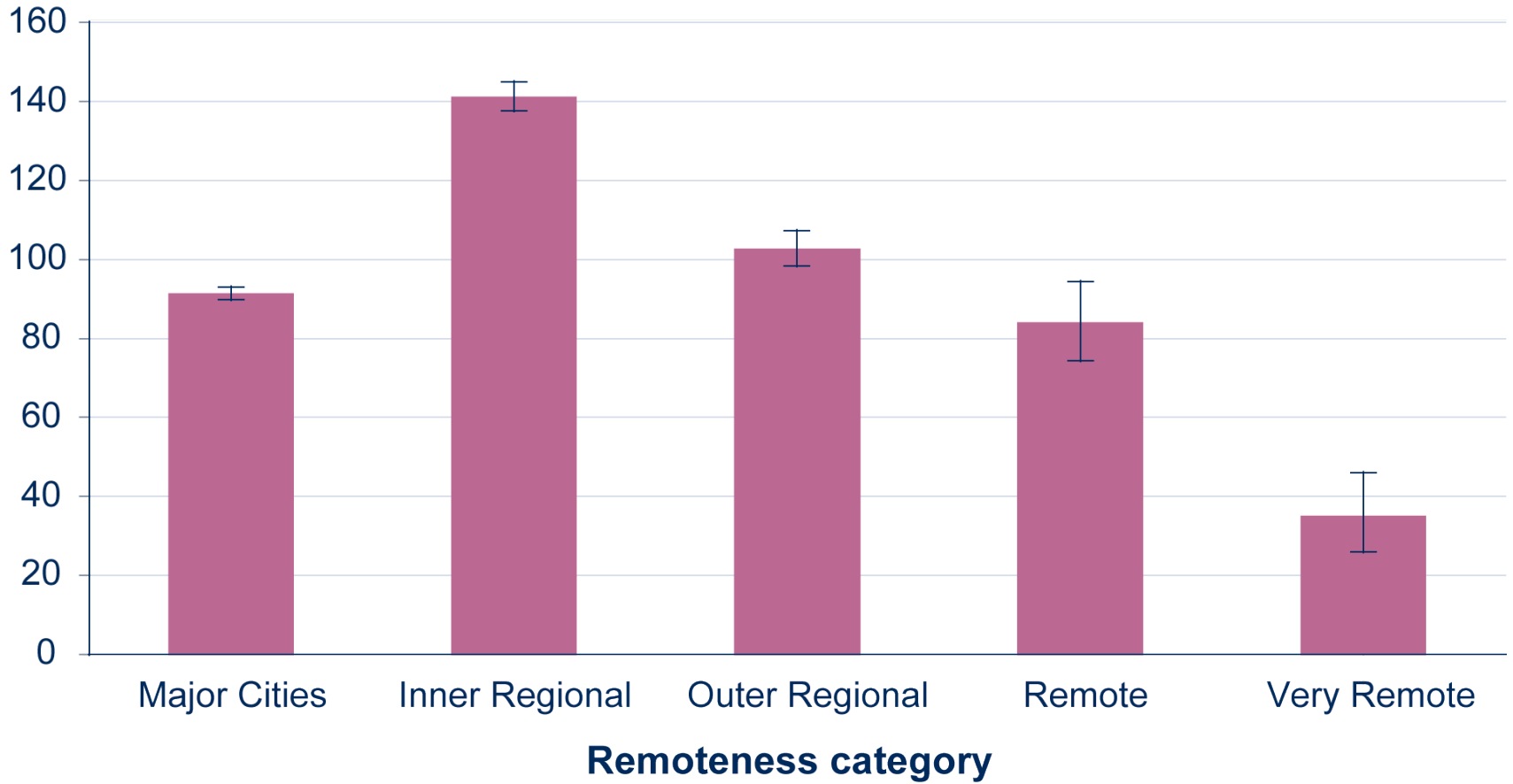


PIP Asthma Cycle of Care claims by remoteness

Australia, 2007



Claims per 100,000 population

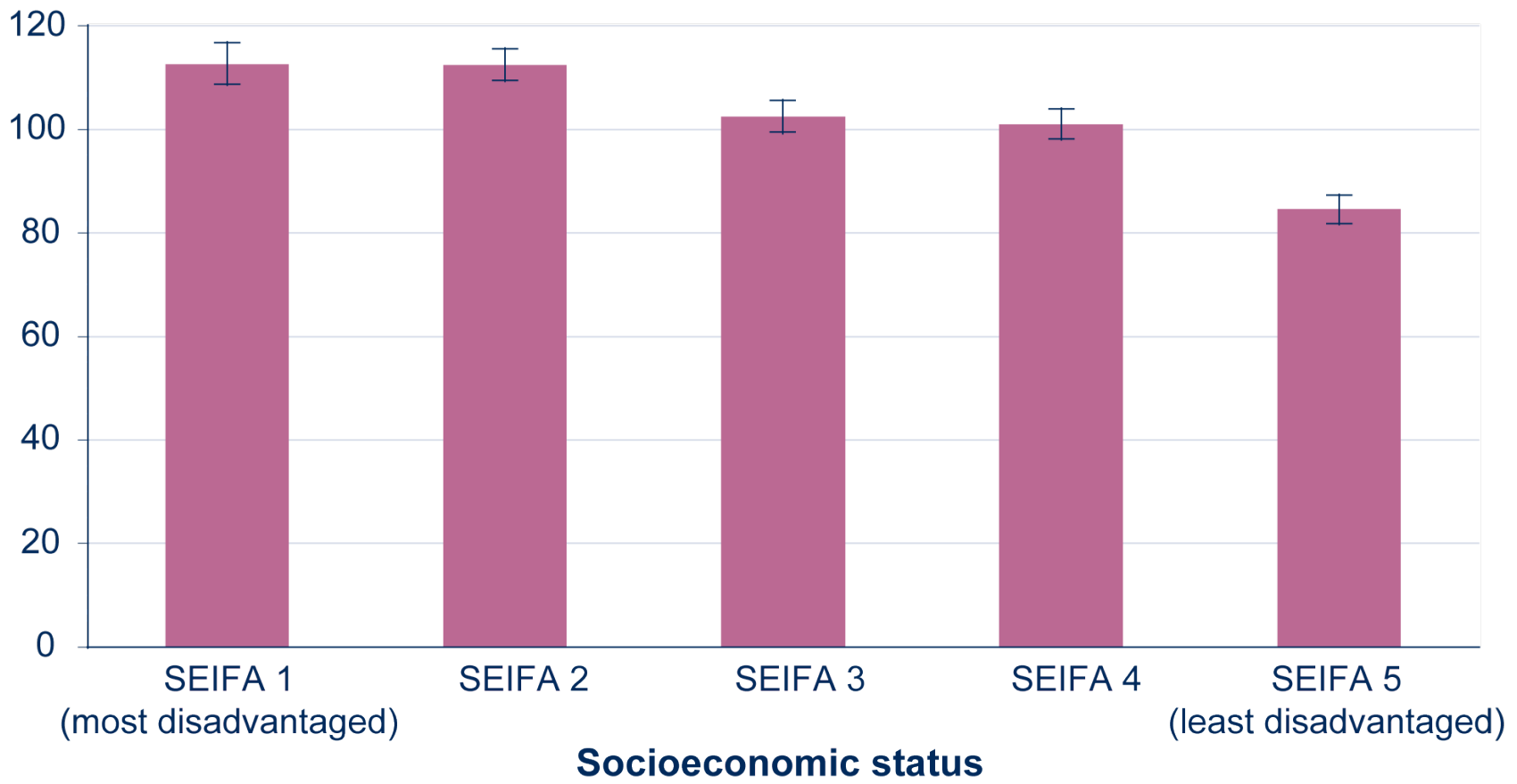


PIP Asthma Cycle of Care claims by socioeconomic status

Australia, 2007



Claims per 100,000 population

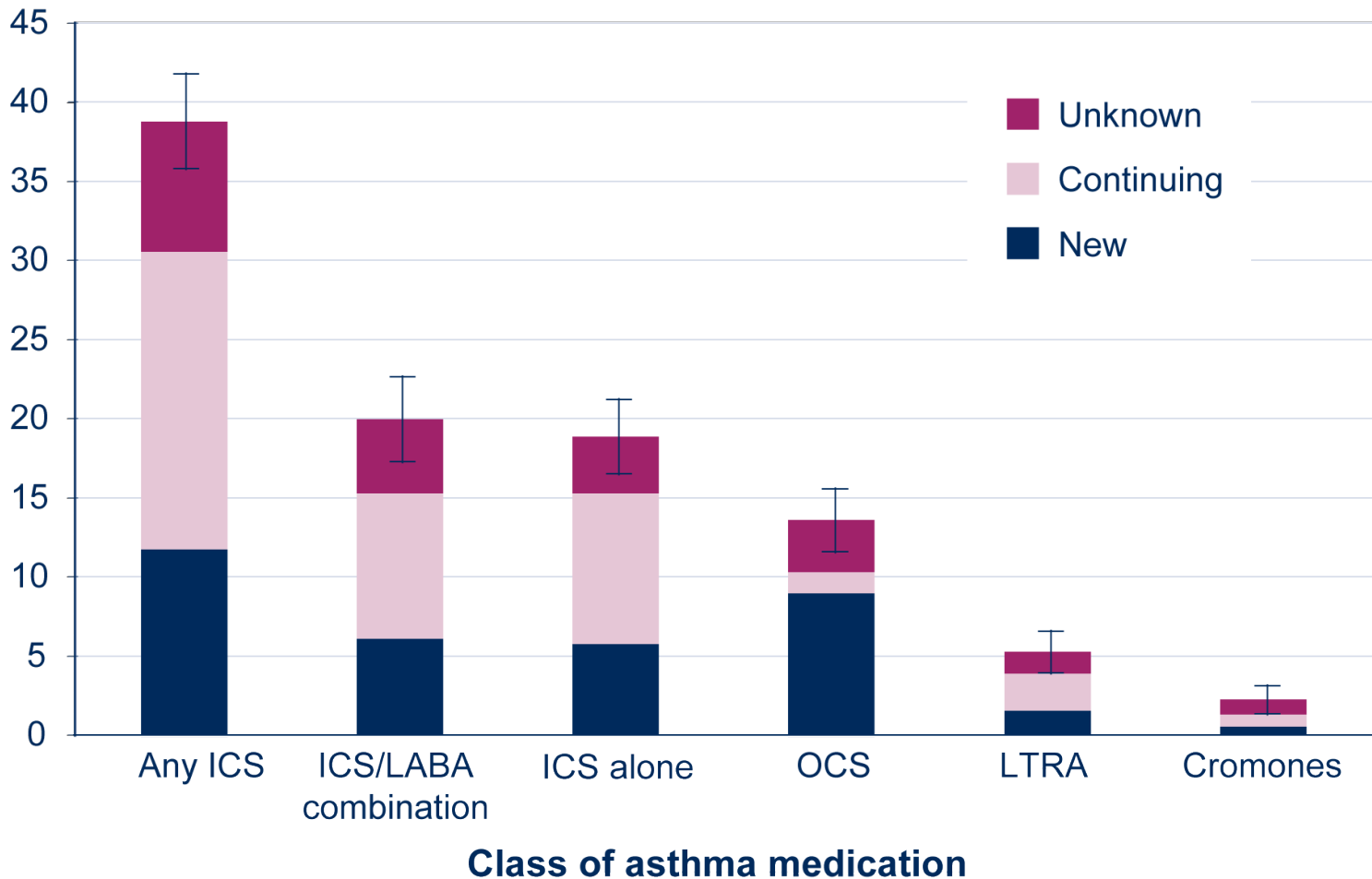


Medications prescribed for asthma by prescription status, children aged 0–14 years

Australia, April 2004–March 2007



Proportion of general practice encounters for asthma (per cent)

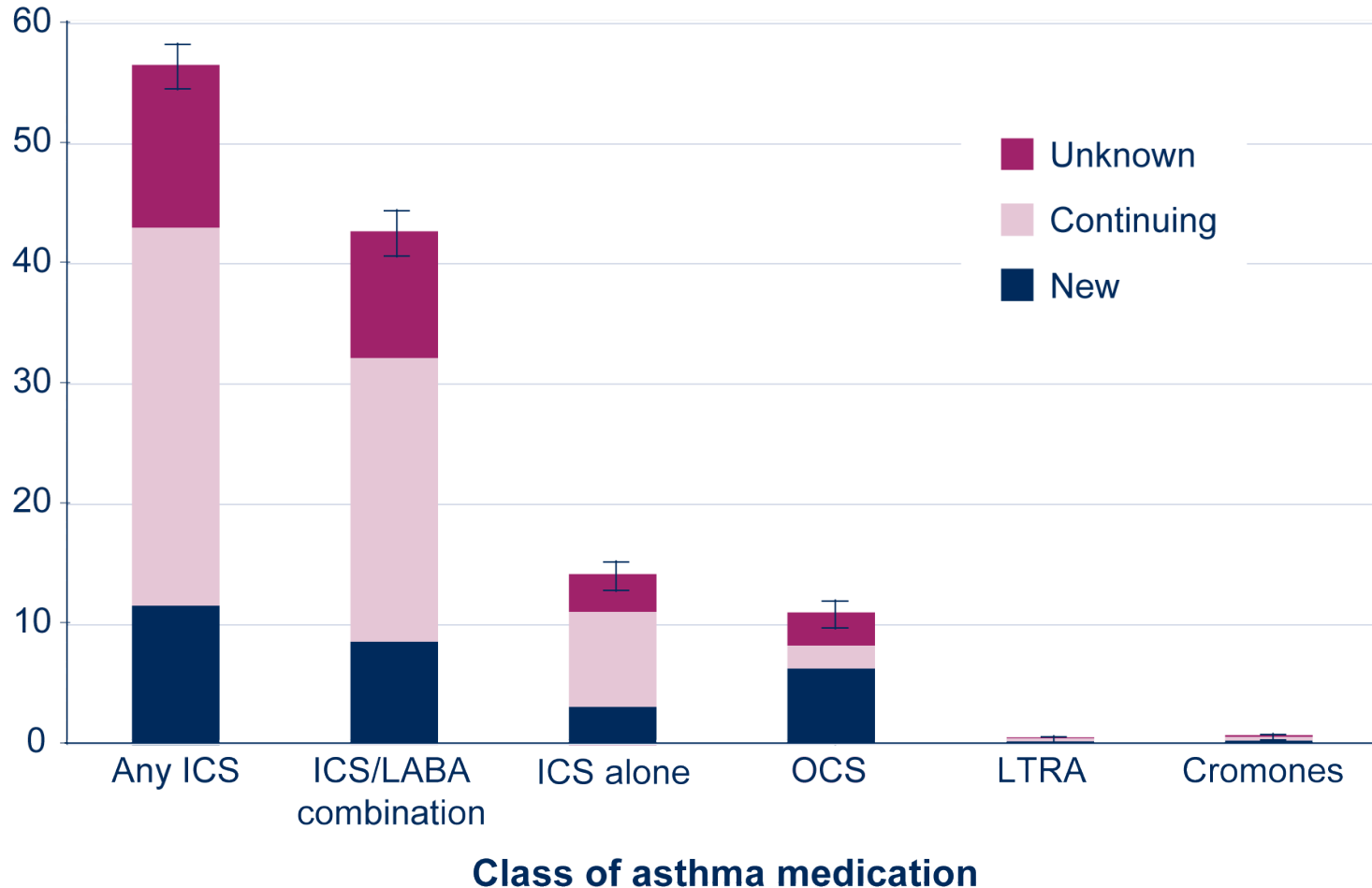


Medications prescribed for asthma by prescription status, people aged 15 years and over

Australia, April 2004–March 2007



Proportion of general practice encounters for asthma (per cent)

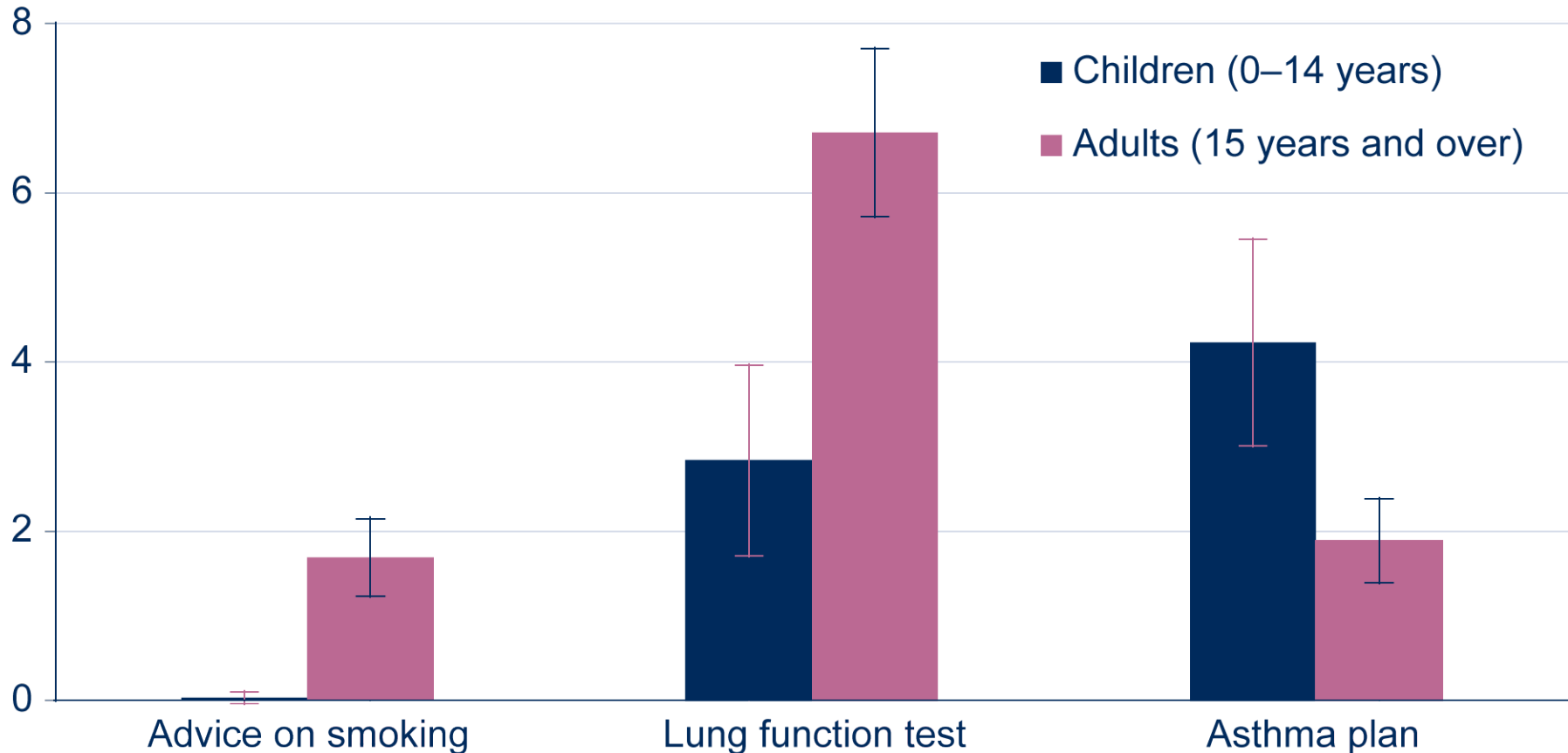


Procedures, other treatments and counselling for asthma in general practice

Australia, April 2004–March 2007



Proportion of general practice encounters for asthma (per cent)

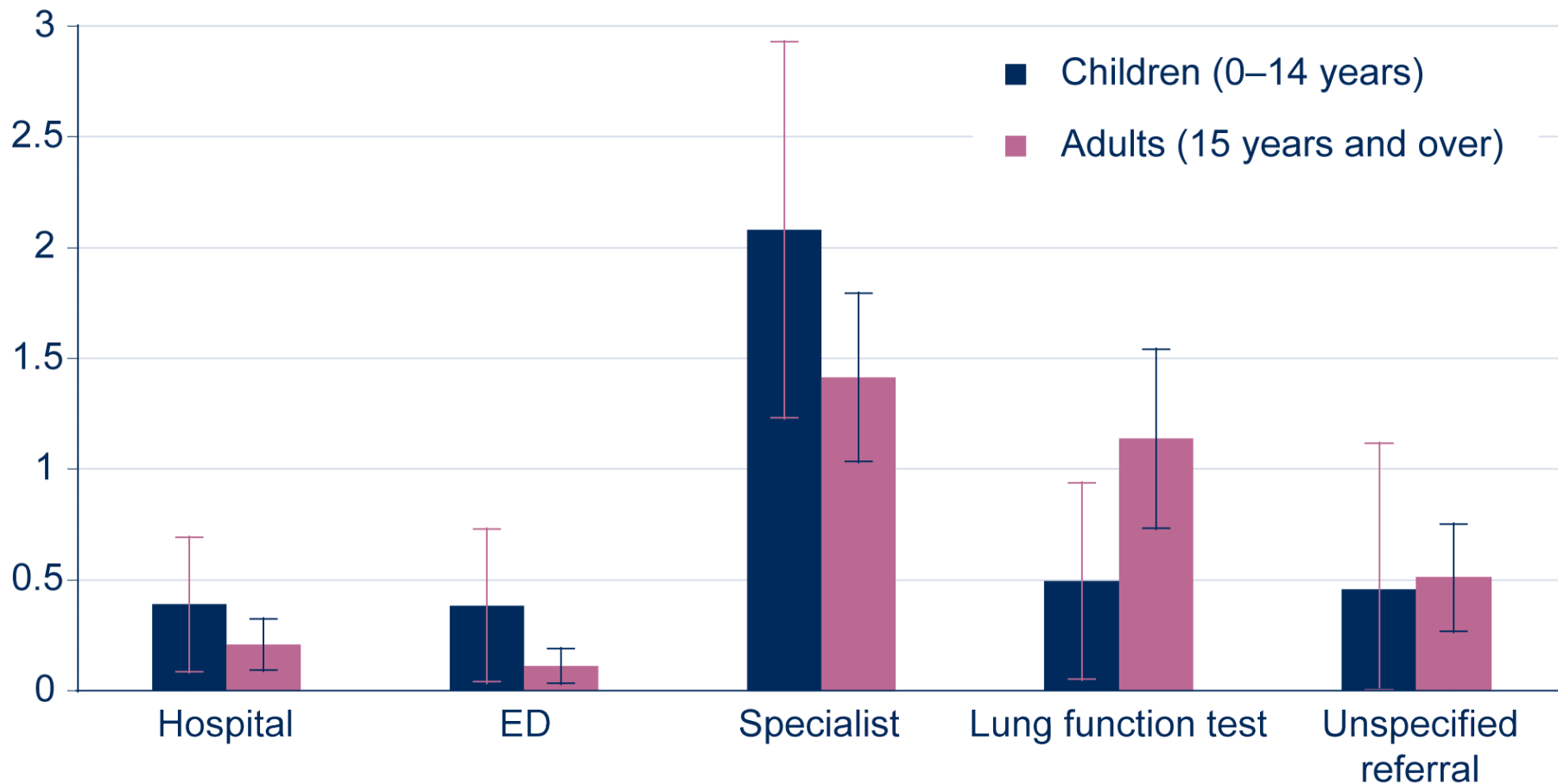


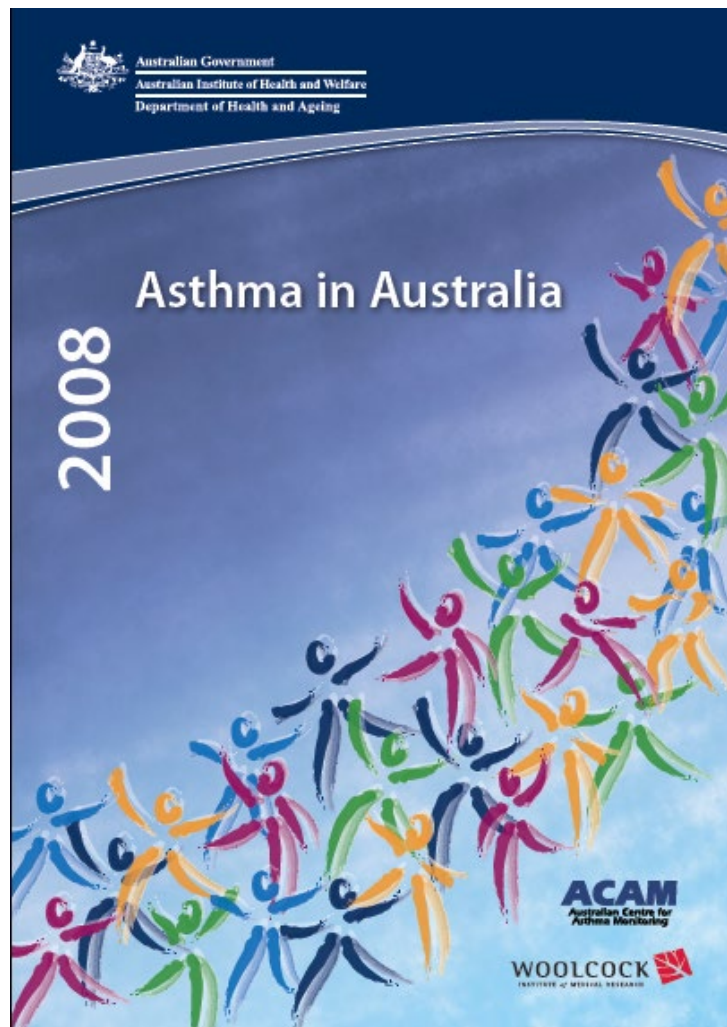
Referrals provided during asthma-related general practice encounters

Australia, April 2004–March 2007



Proportion of general practice encounters for asthma (per cent)





Asthma in Australia 2008

Hospitalisations and emergency department visits

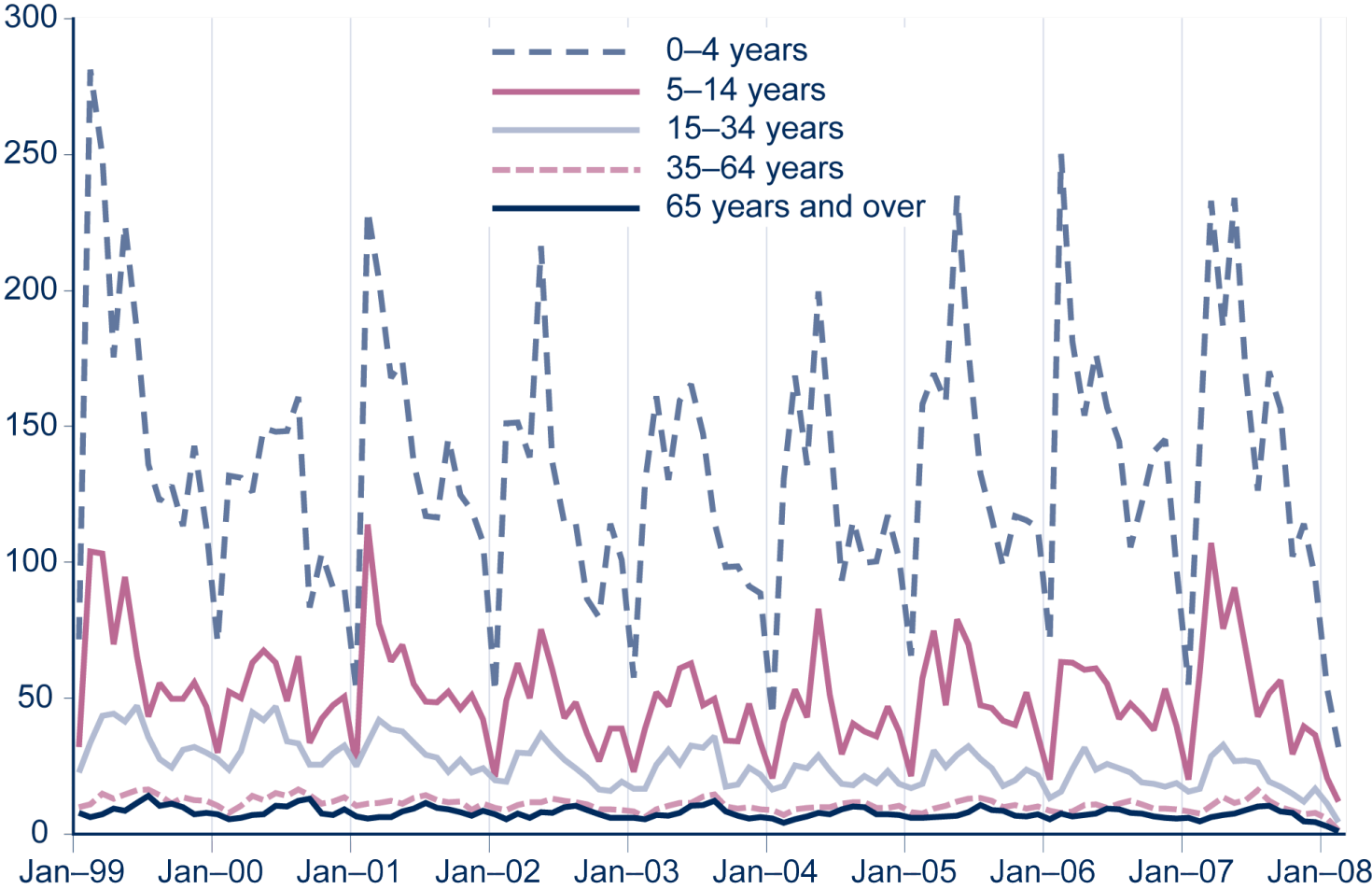


ED visits for asthma, by age and month

New South Wales, 1999–2007



ED visits per 100,000 population

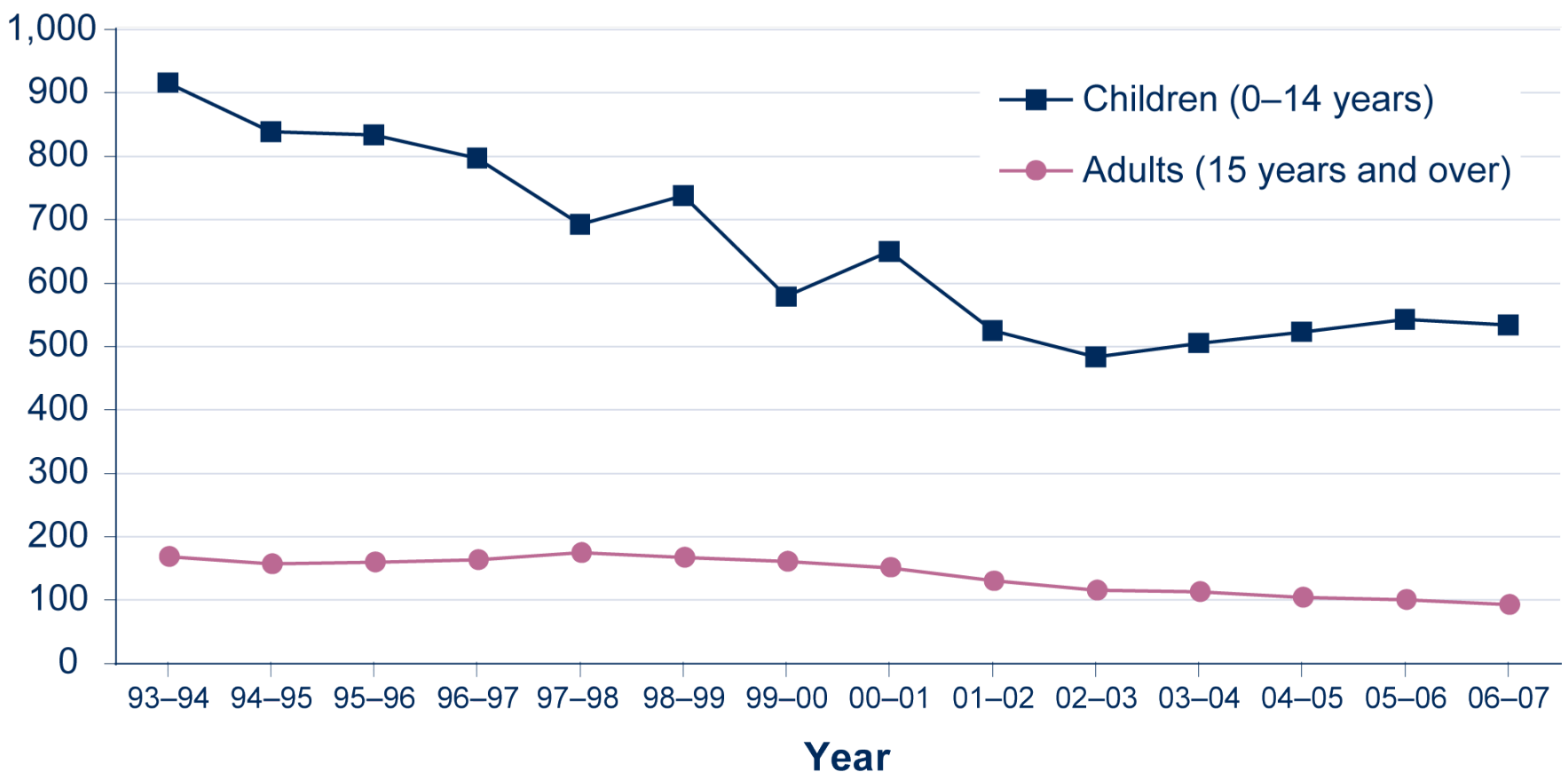


Month/year

Time trends in hospital separations for asthma

Australia, 1993-94 to 2006-07 

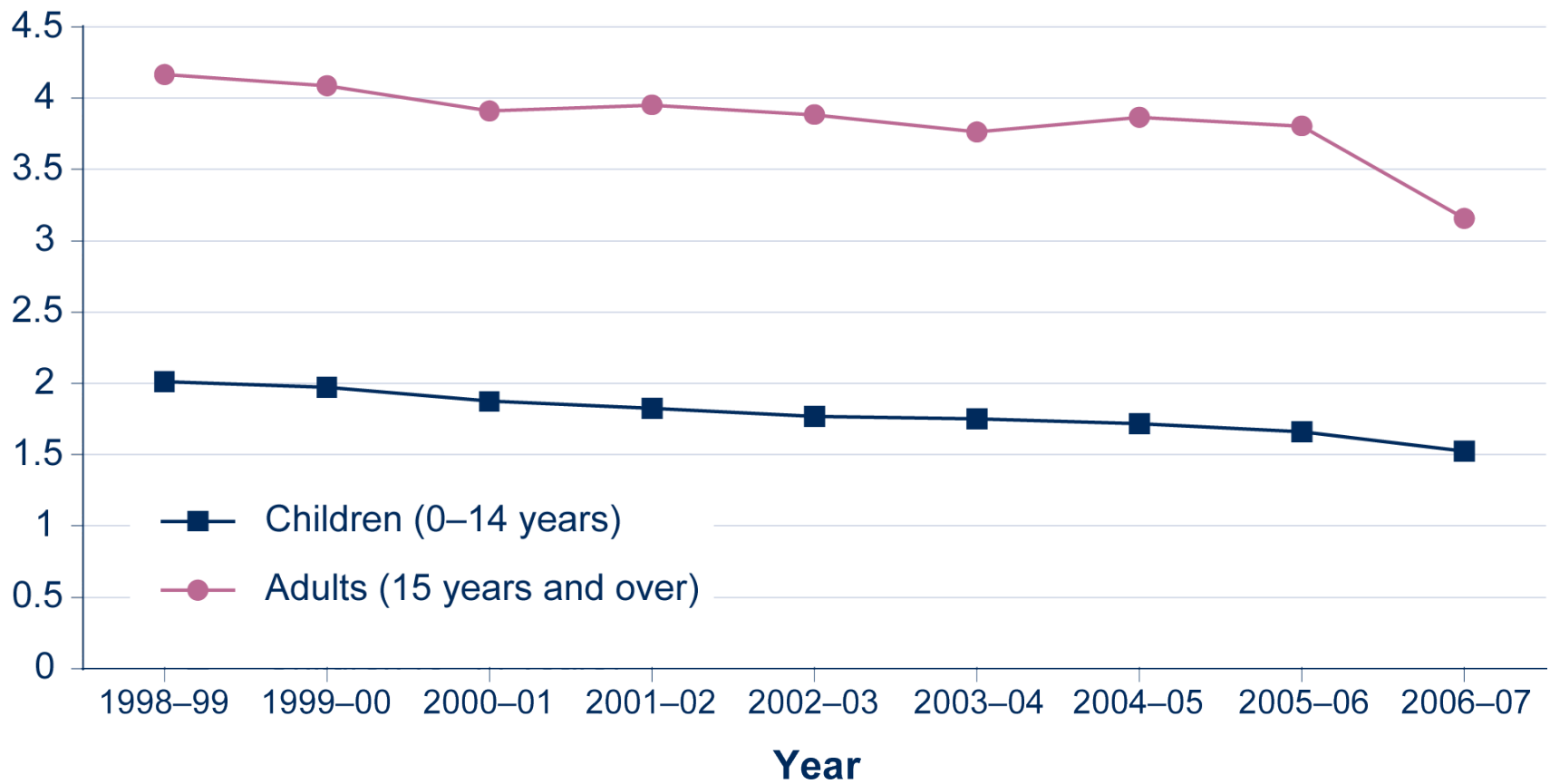
Hospital separations per 100,000 population



Time trends in average length of stay for asthma

Australia, 1998–99 to 2006–07 

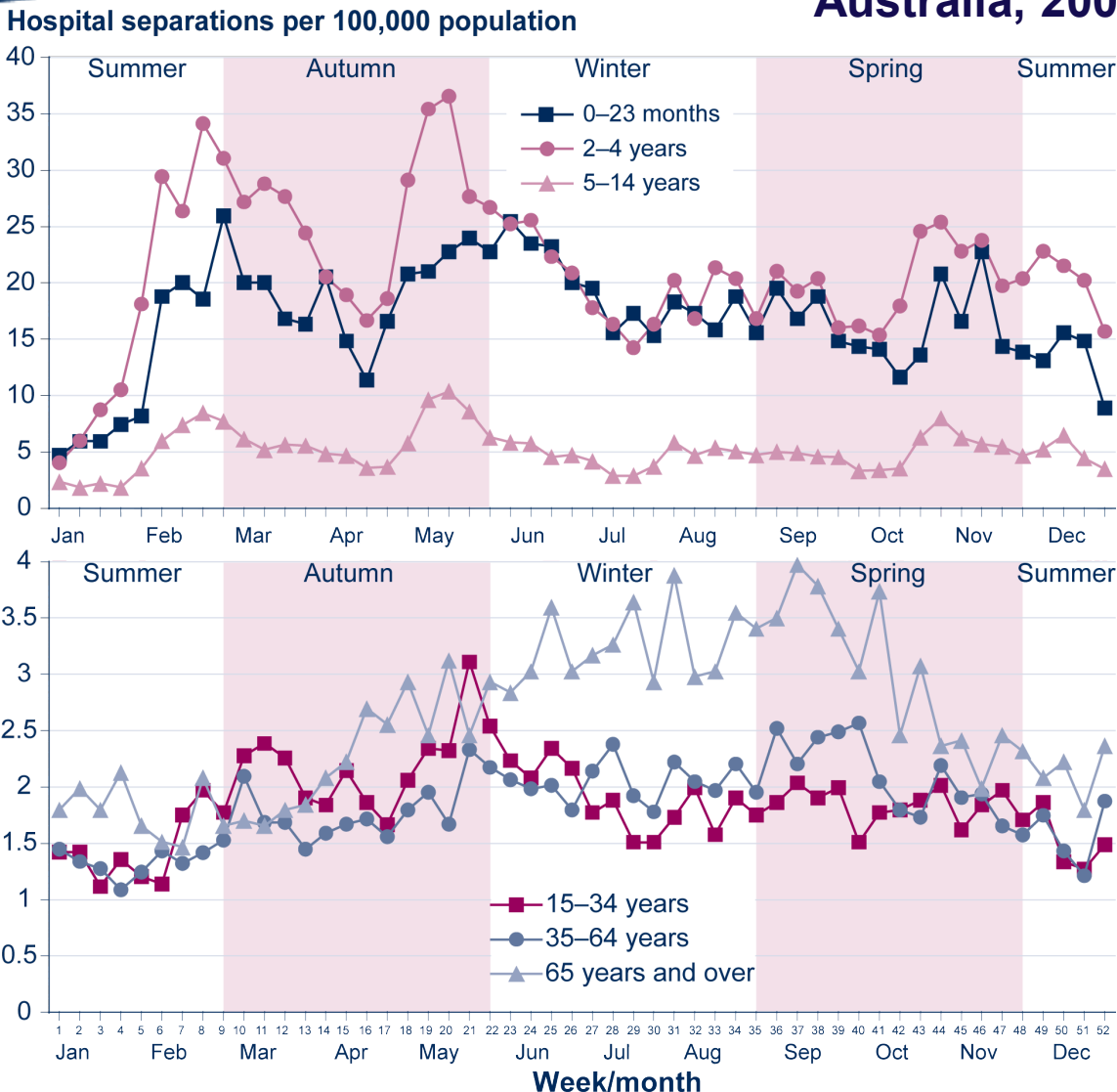
Average length of stay (days)



Seasonal variation in hospital separations for asthma, by age



Australia, 2004



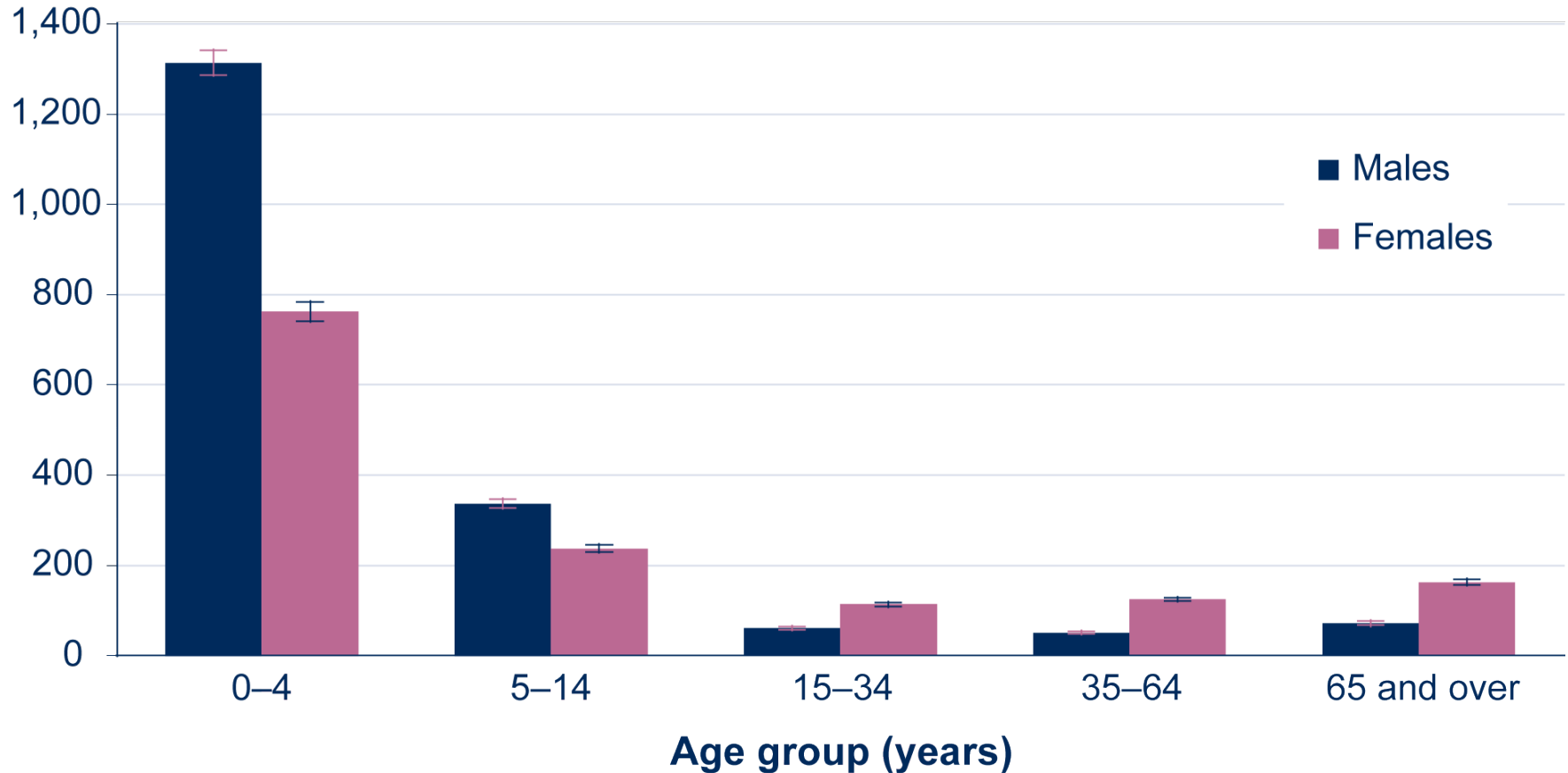
Note: Queensland excluded.

Hospital separations for asthma by age and sex

Australia, 2006–07



Hospital separations per 100,000 population

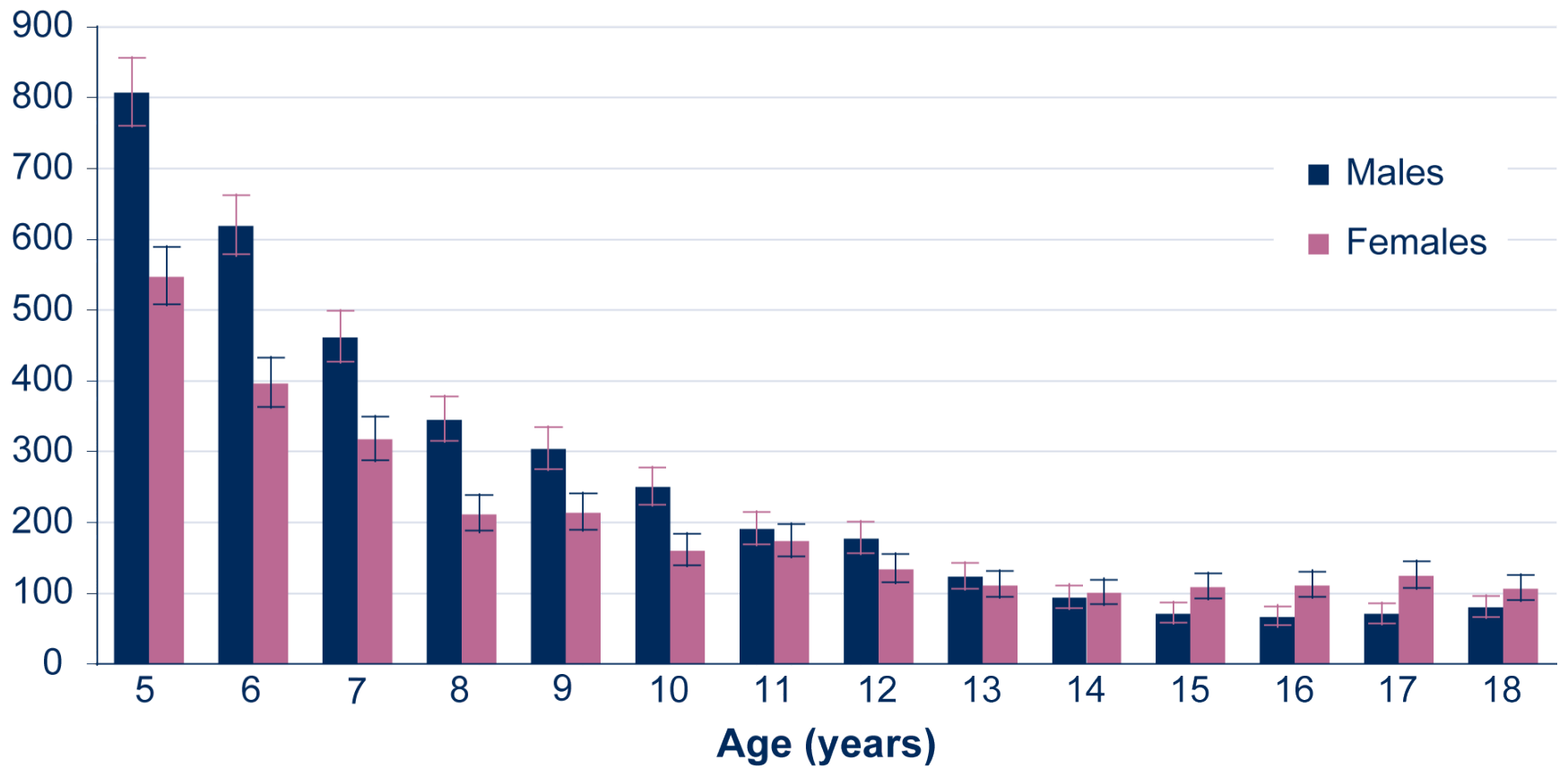


Hospital separations for asthma by 1-year age group and sex

Australia, 2006–07



Hospital separations per 100,000 population

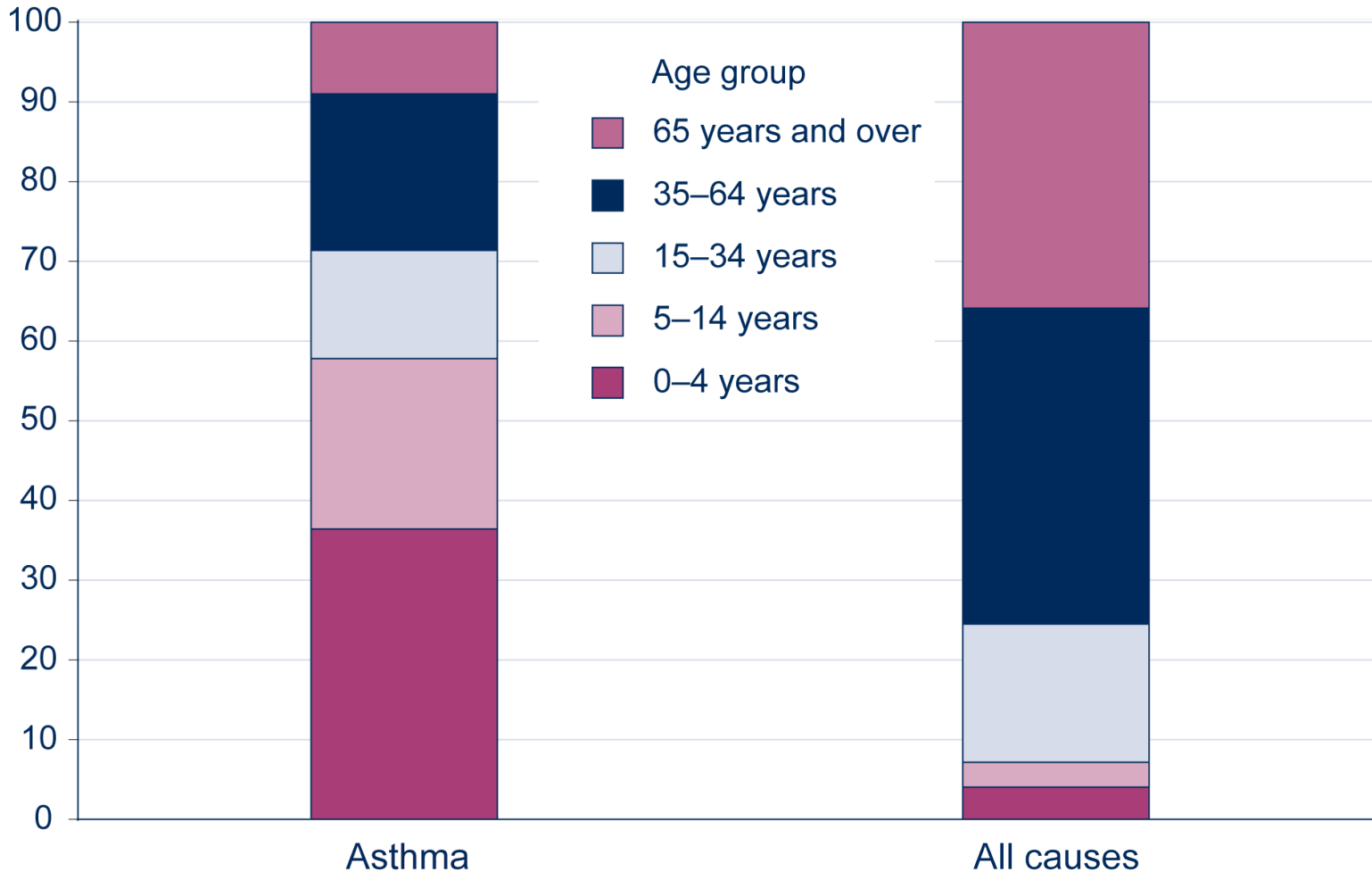


Age distribution for hospital separations for asthma and all causes

Australia, 2006–07



Proportion (per cent)

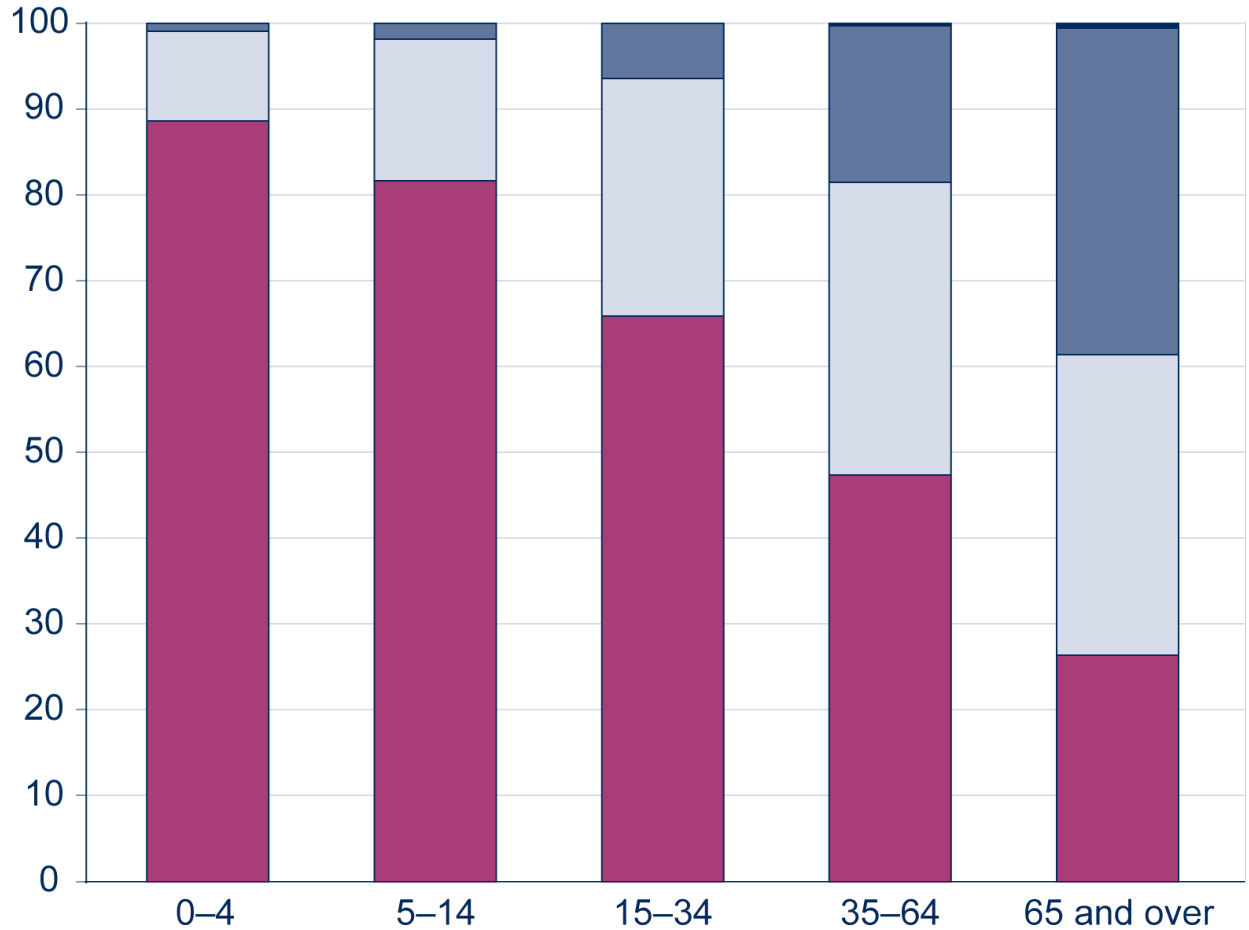


Relative frequency of length of stay for asthma by age

Australia, 2006–07



Proportion (per cent)



- 30 days and over
- 6-30 days
- 3-5 days
- 1-2 days

Hospital separations for asthma by state/territory



Australia, 2006–07

Hospital separations per 100,000 population

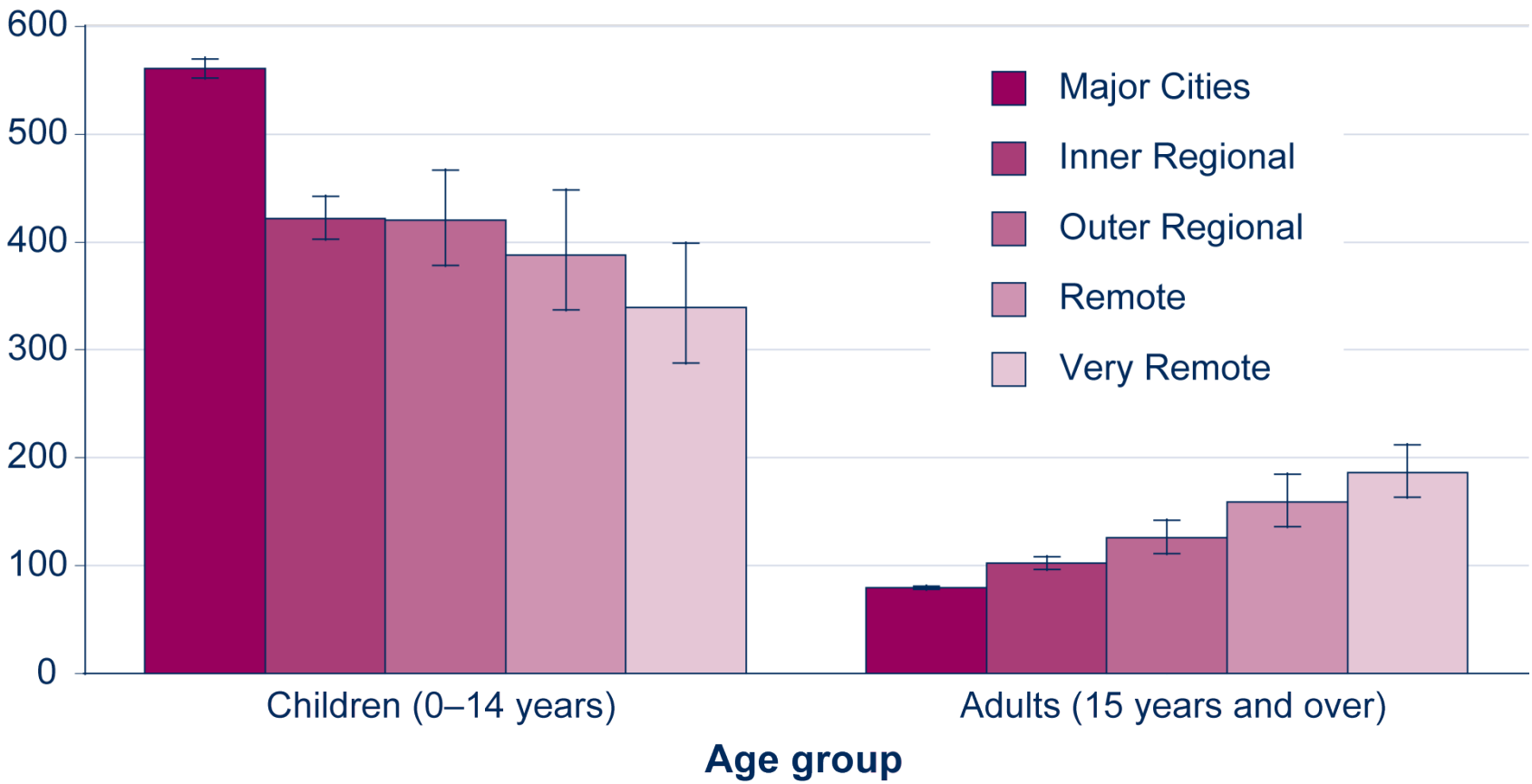


Hospital separations for asthma by remoteness

Australia, 2006–07



Hospital separations per 100,000 population

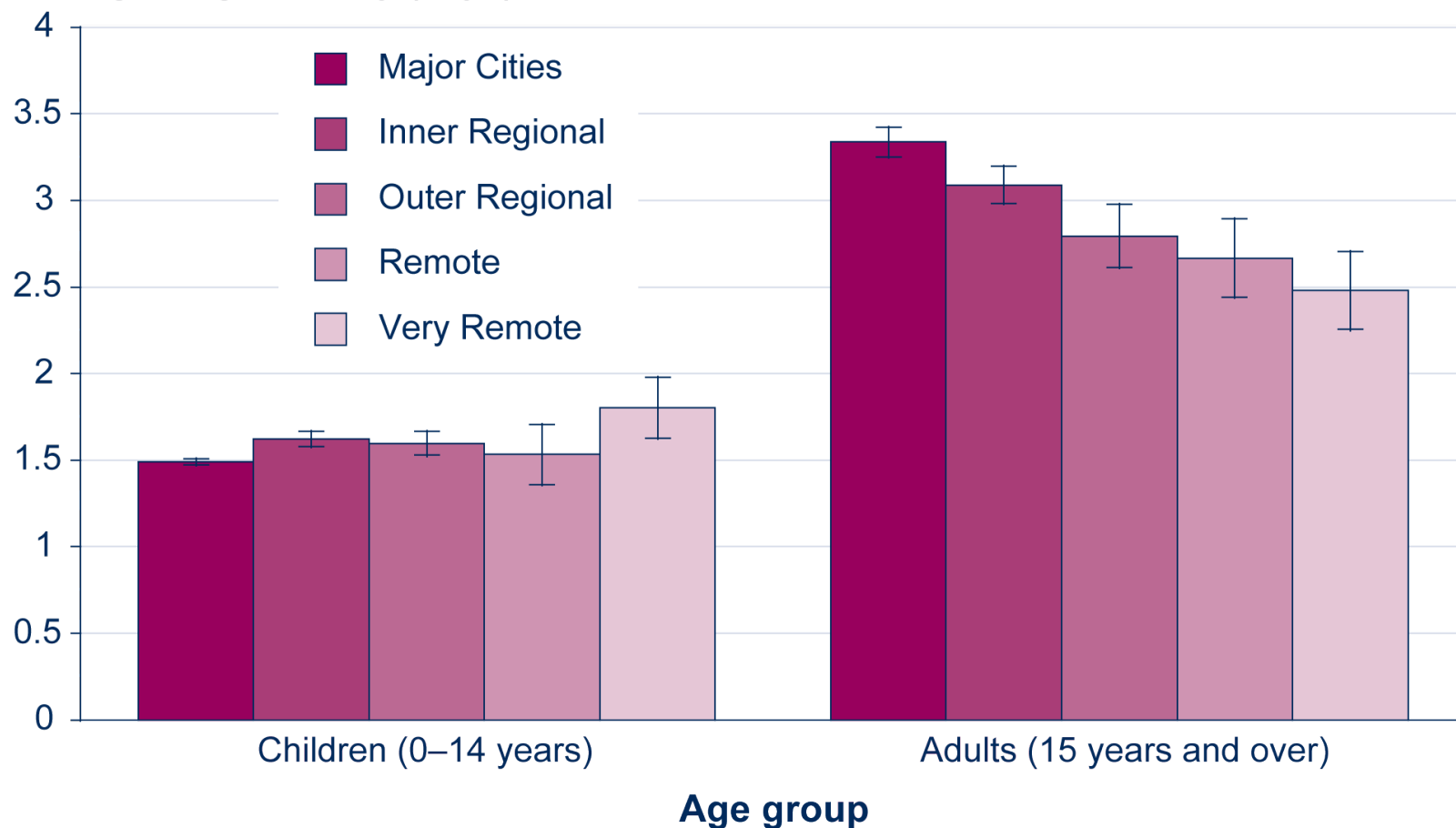


Average length of stay for asthma by remoteness

Australia, 2006–07



Average length of stay (days)

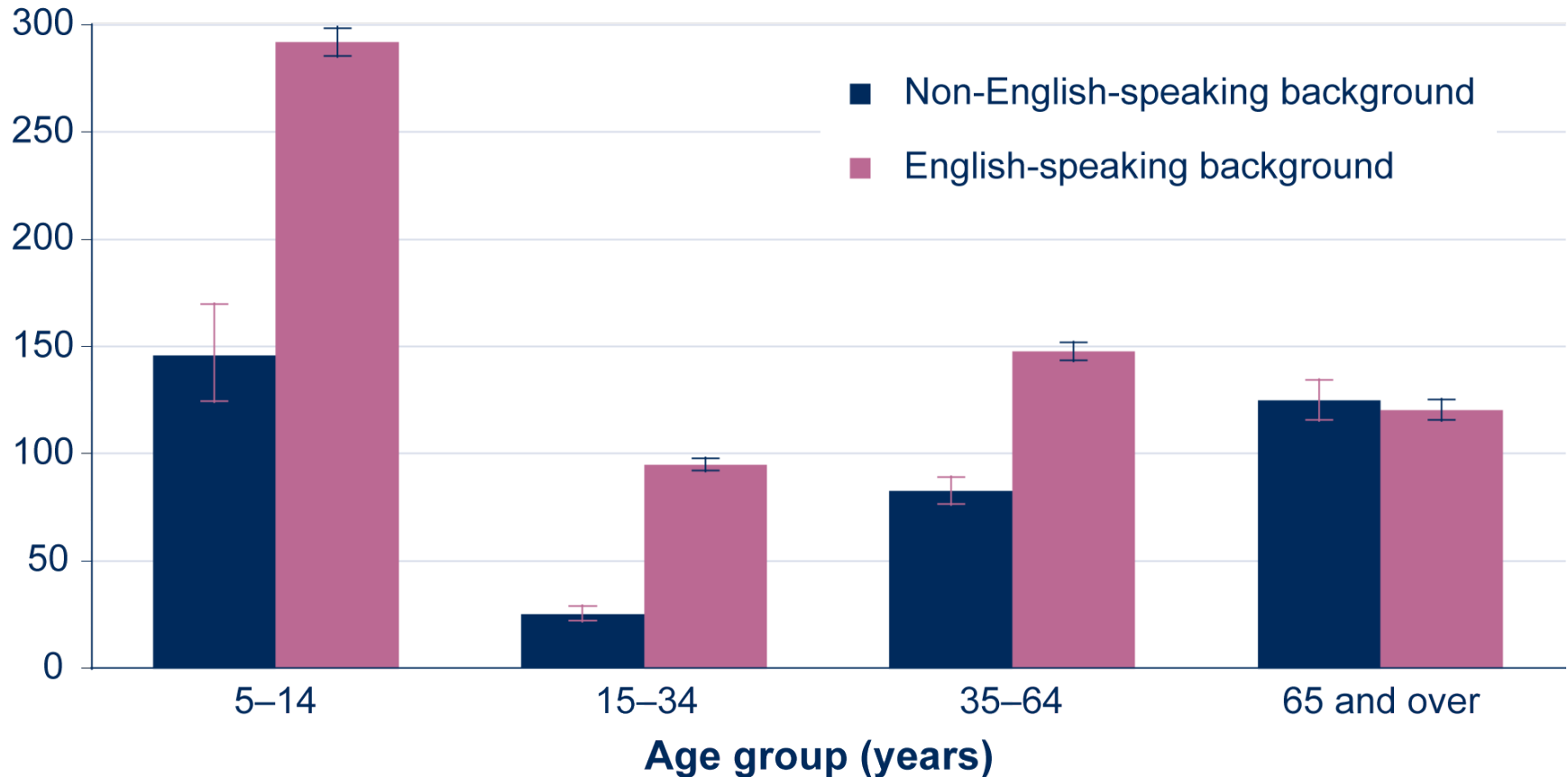


Hospital separations for asthma by country of birth

Australia, 2006–07



Hospital separations per 100,000 population

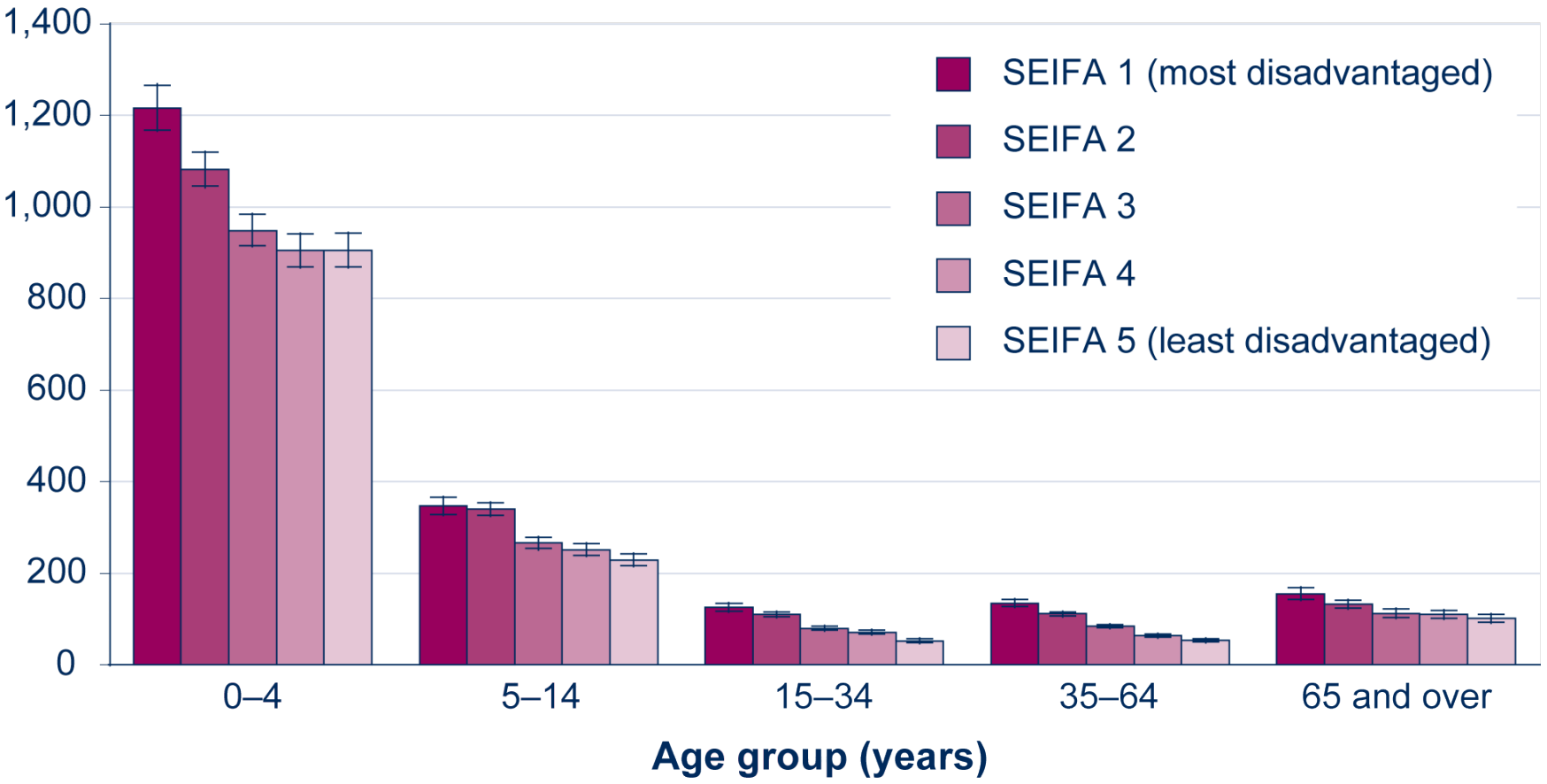


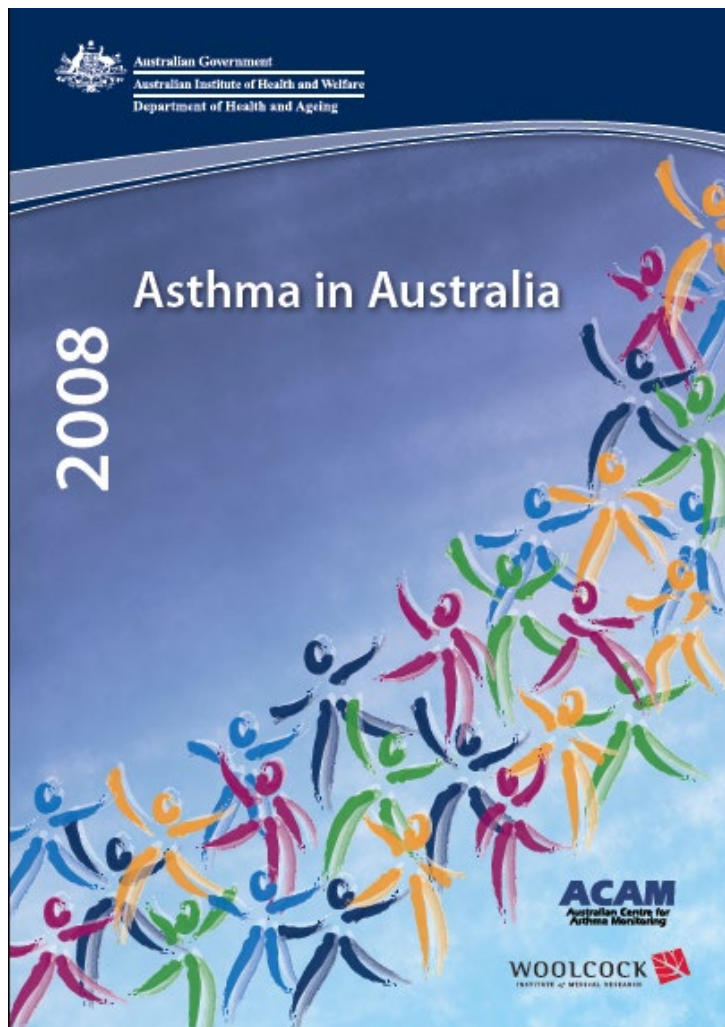
Hospital separations for asthma by socioeconomic status

Australia, 2006–07



Hospital separations per 100,000 population





Asthma in Australia 2008

Invasive mechanical ventilation

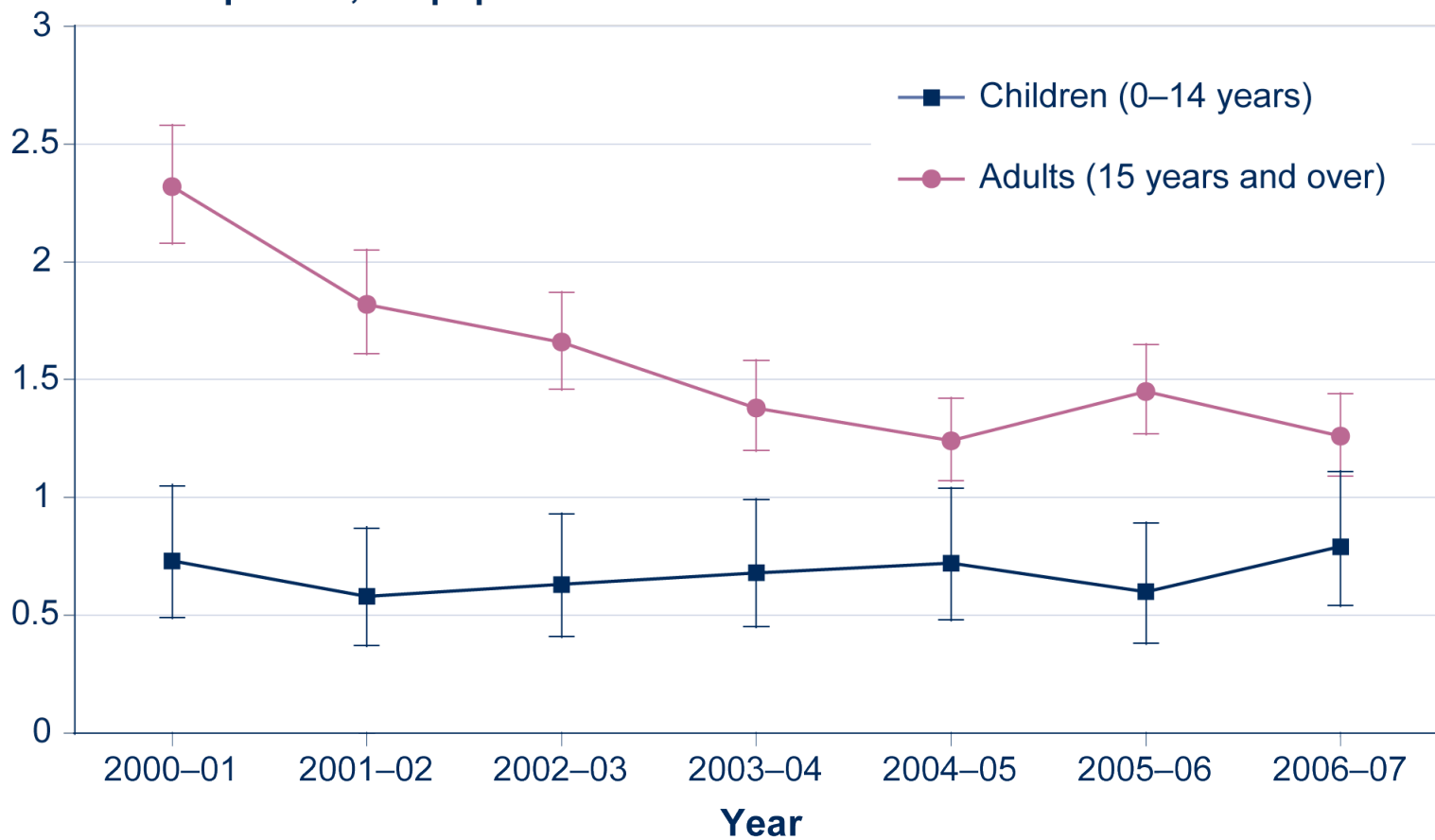


Time trends in mechanical ventilation for asthma population rate

Australia, 2000-01 to 2006-07



Ventilations per 100,000 population

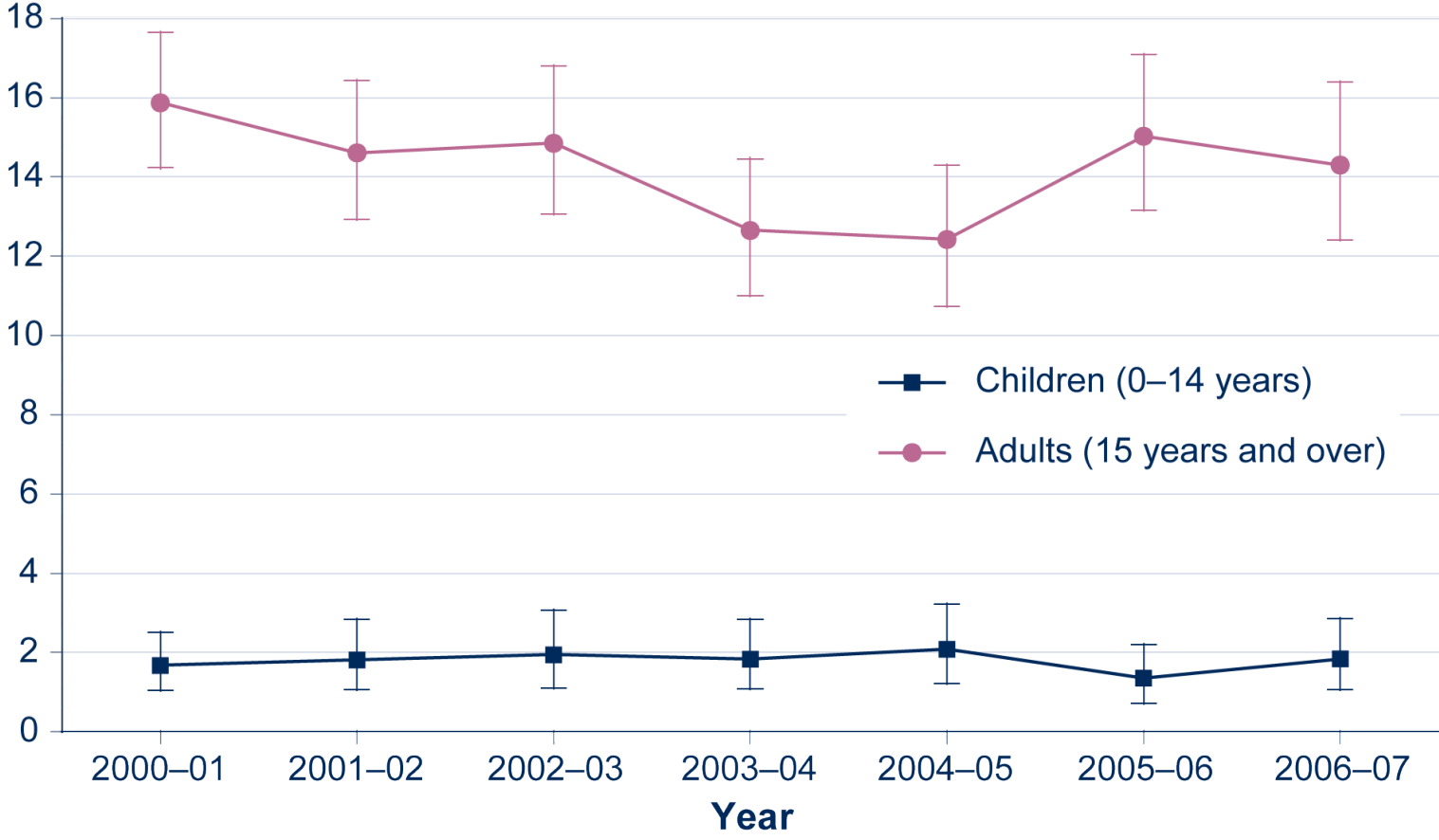


Time trends in mechanical ventilation for asthma case rate

Australia, 2000-01 to 2006-07



Ventilations per 1,000 hospital separations for asthma

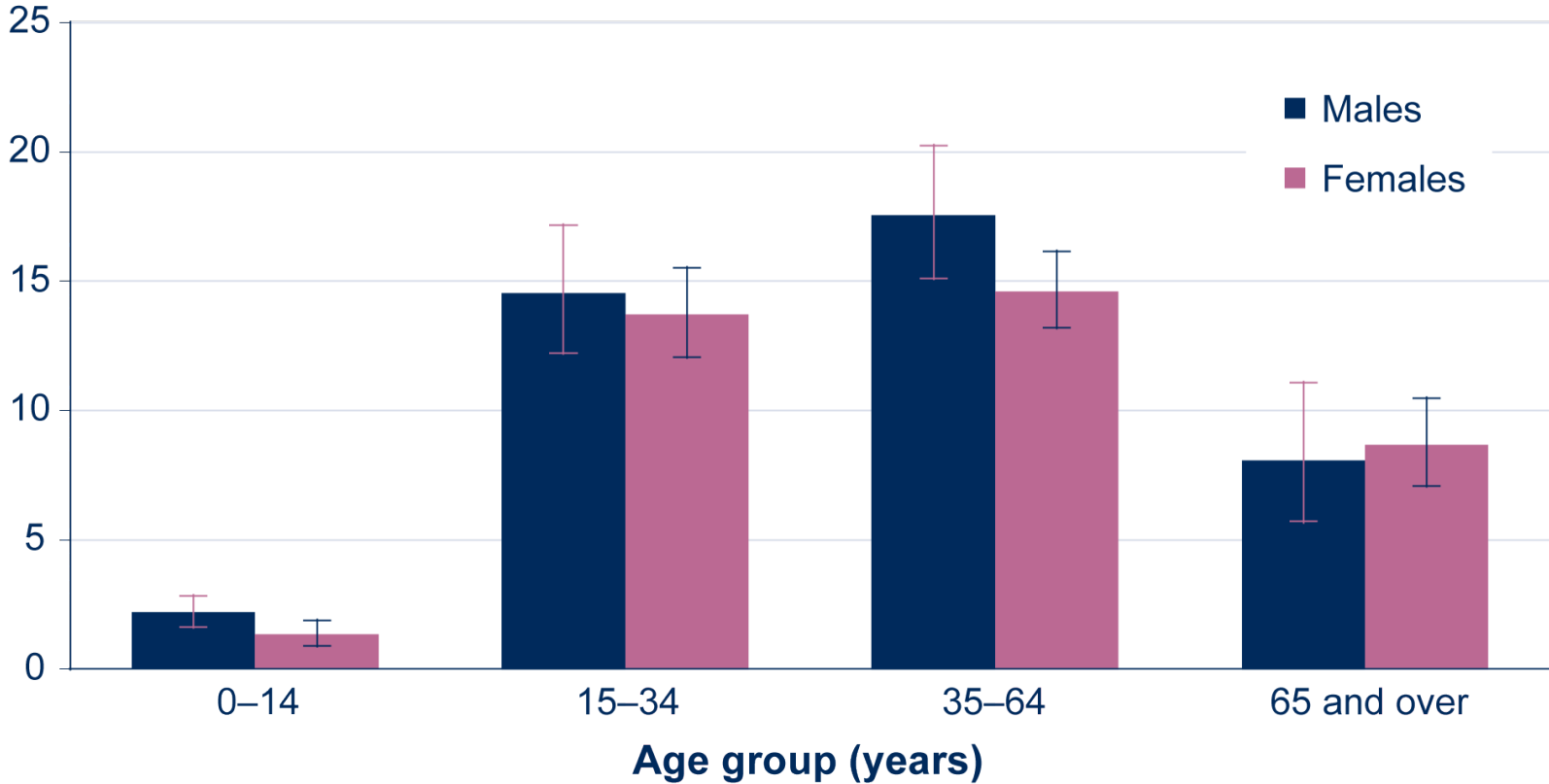


Mechanical ventilation for asthma by age and sex

Australia, 2006–07



Ventilations per 1,000 hospital separations for asthma

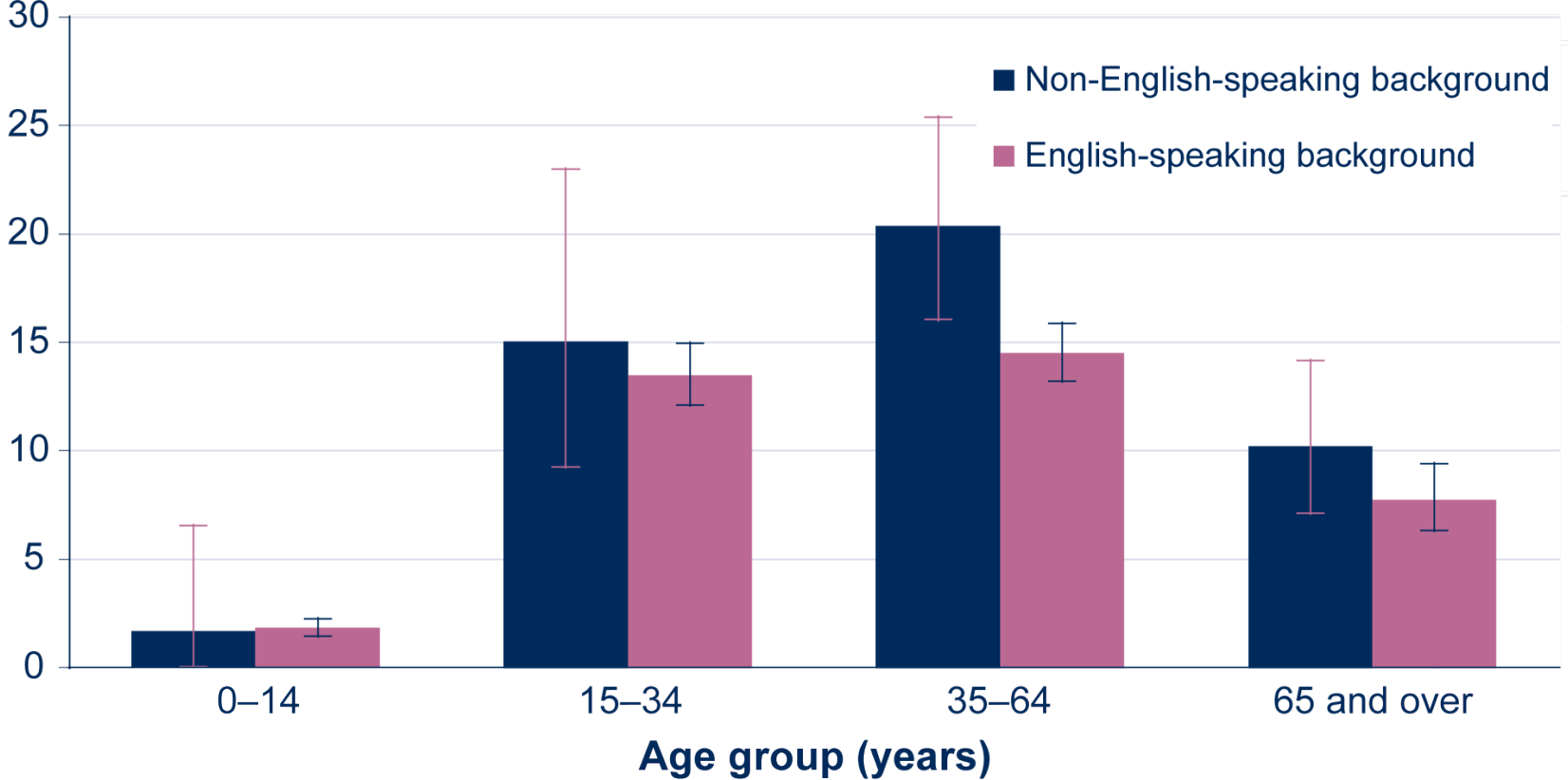


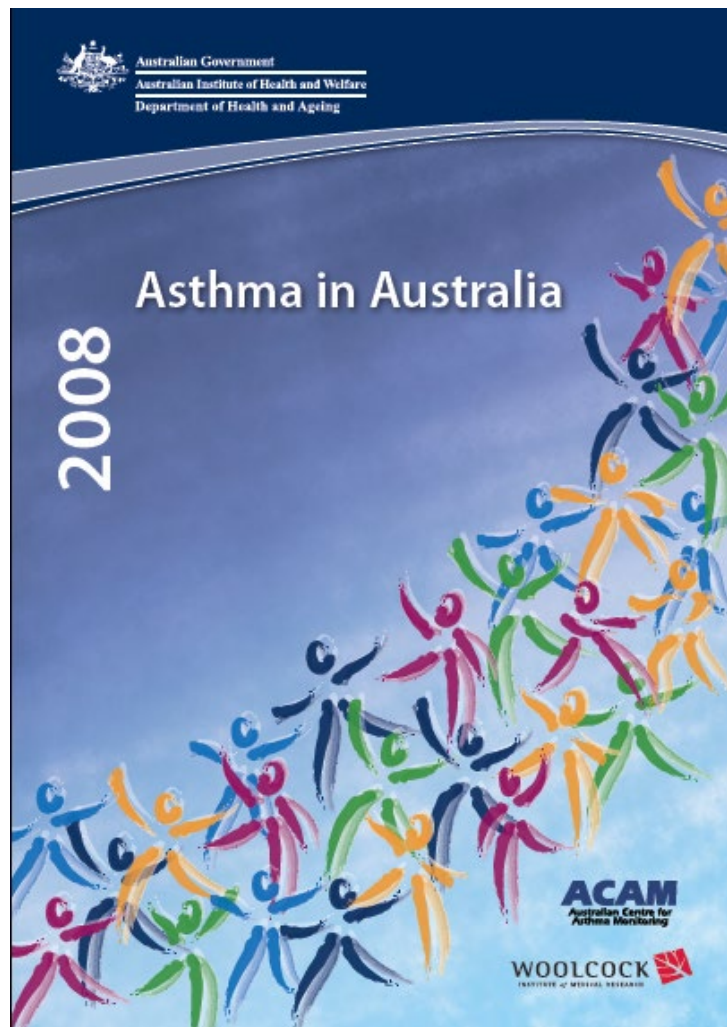
Mechanical ventilation for asthma by country of birth

Australia, 2006–07



Ventilations per 1,000 hospital separations for asthma





Asthma in Australia 2008

Health-care expenditure due to asthma

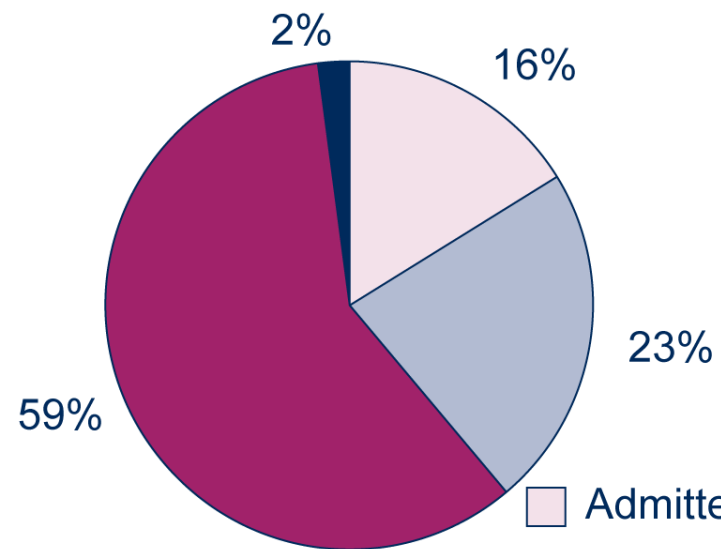


Allocated expenditure for asthma and total recurrent health expenditure, by sector

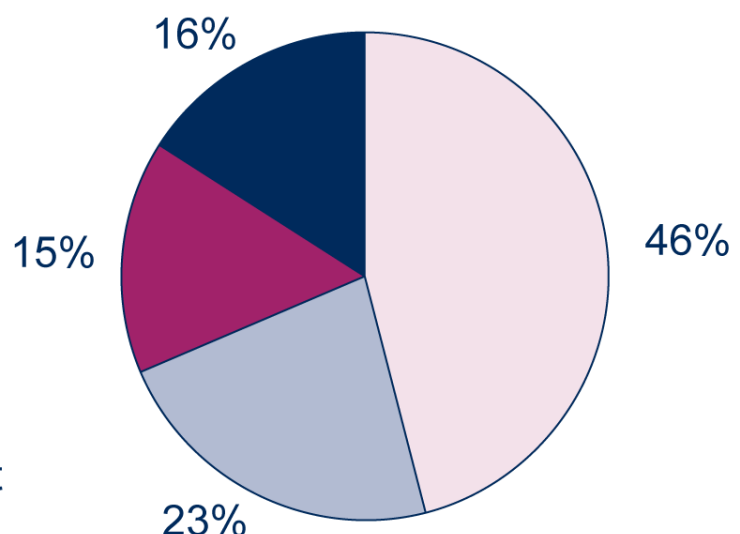
Australia, 2004–05



Allocated asthma expenditure



Total allocated recurrent health expenditure



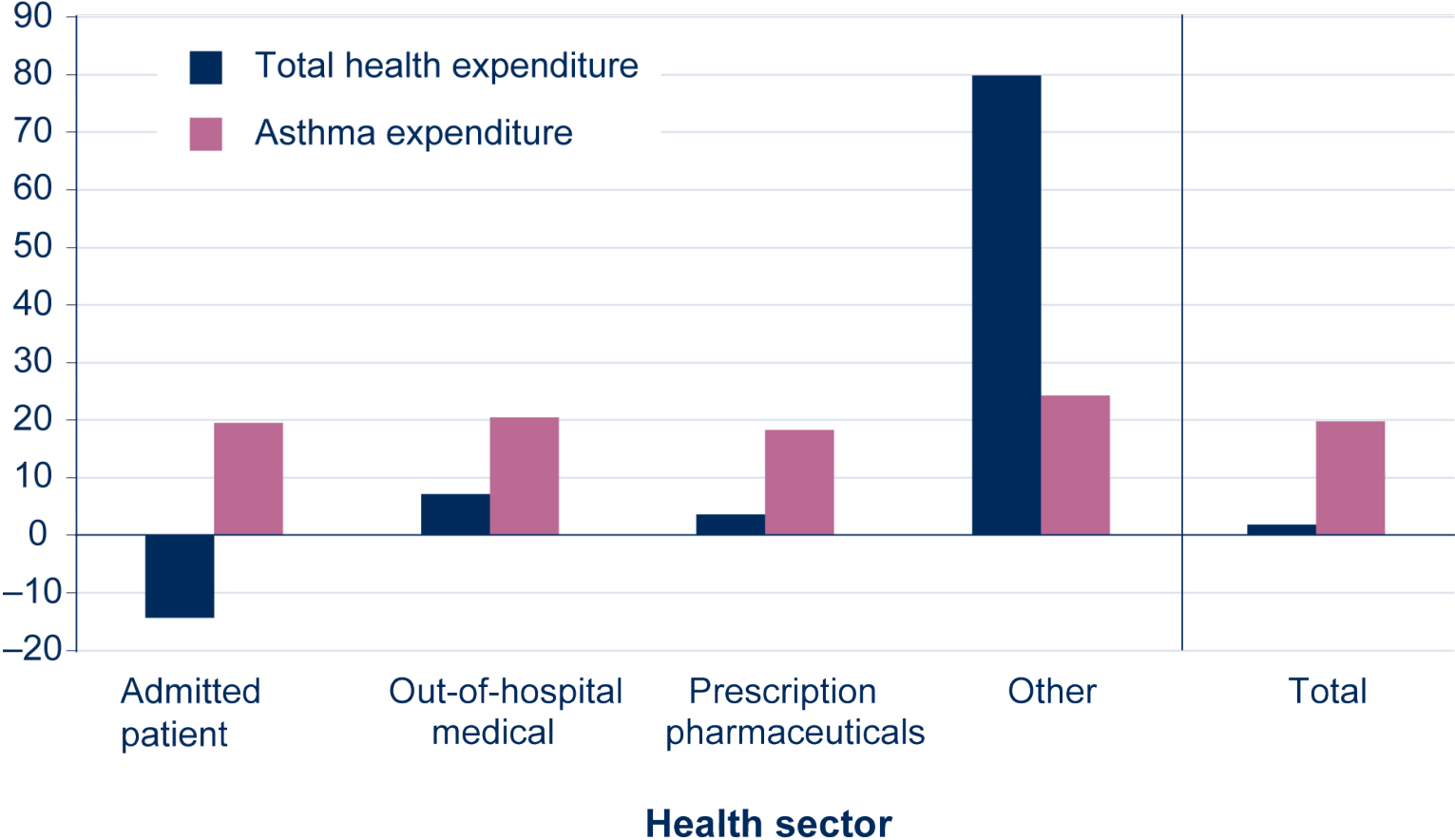
- Admitted patient
- Out-of-hospital medical
- Prescription pharmaceuticals
- Other

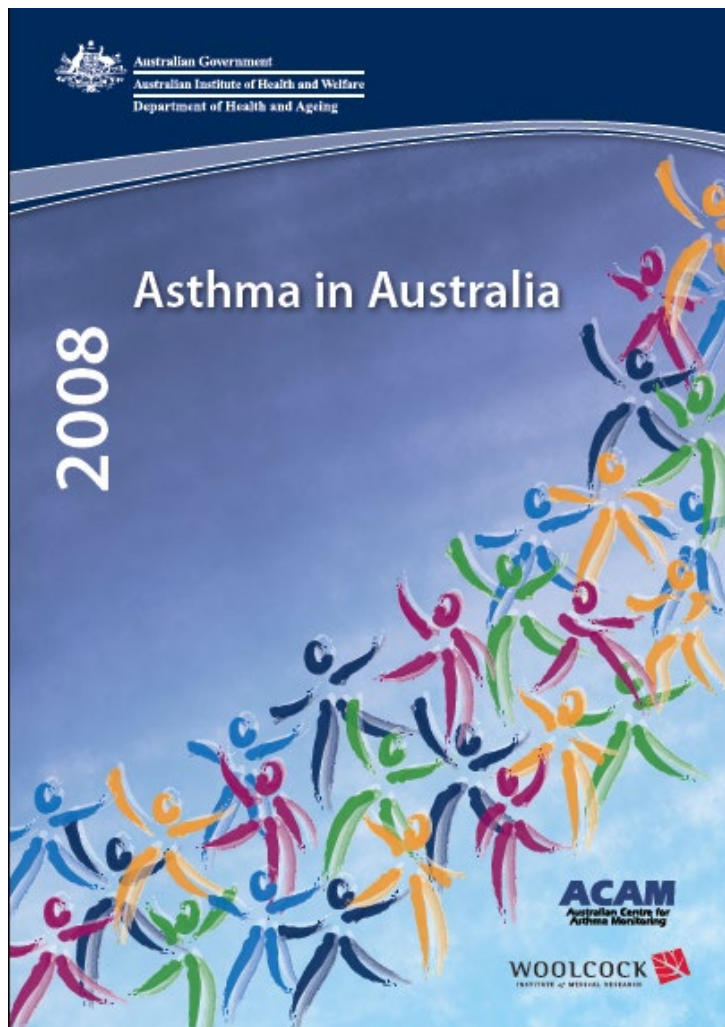
Change in allocated health expenditure, by sector

Australia, 2000–01 to 2004–05
(2004–05 prices)



Change (per cent)





Asthma in Australia 2008

Written asthma action plans



Australian Government
Australian Institute of Health and Welfare

ACAM
Australian Centre for
Asthma Monitoring

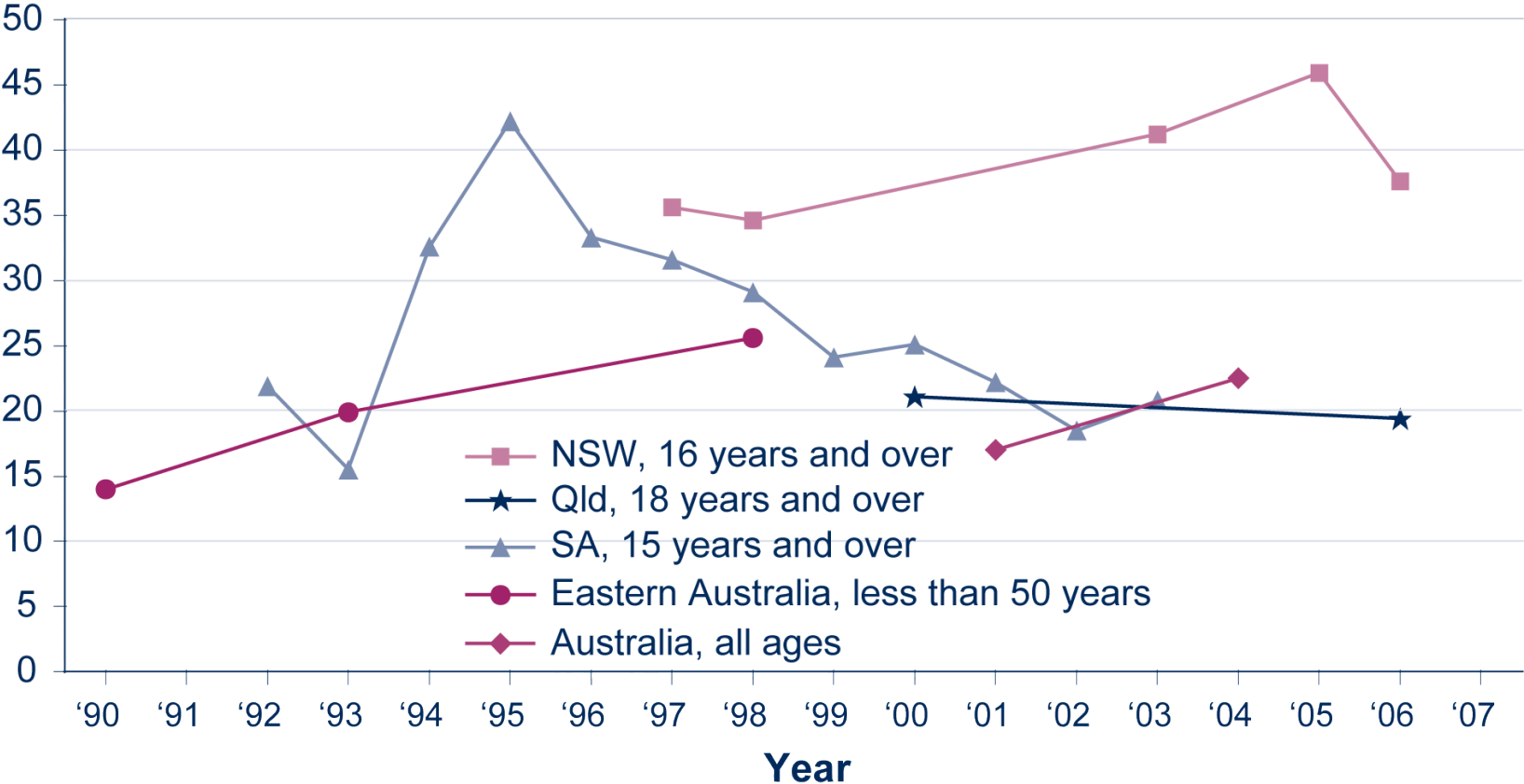
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Possession of asthma action plans by adults

Australia, 1990–2007

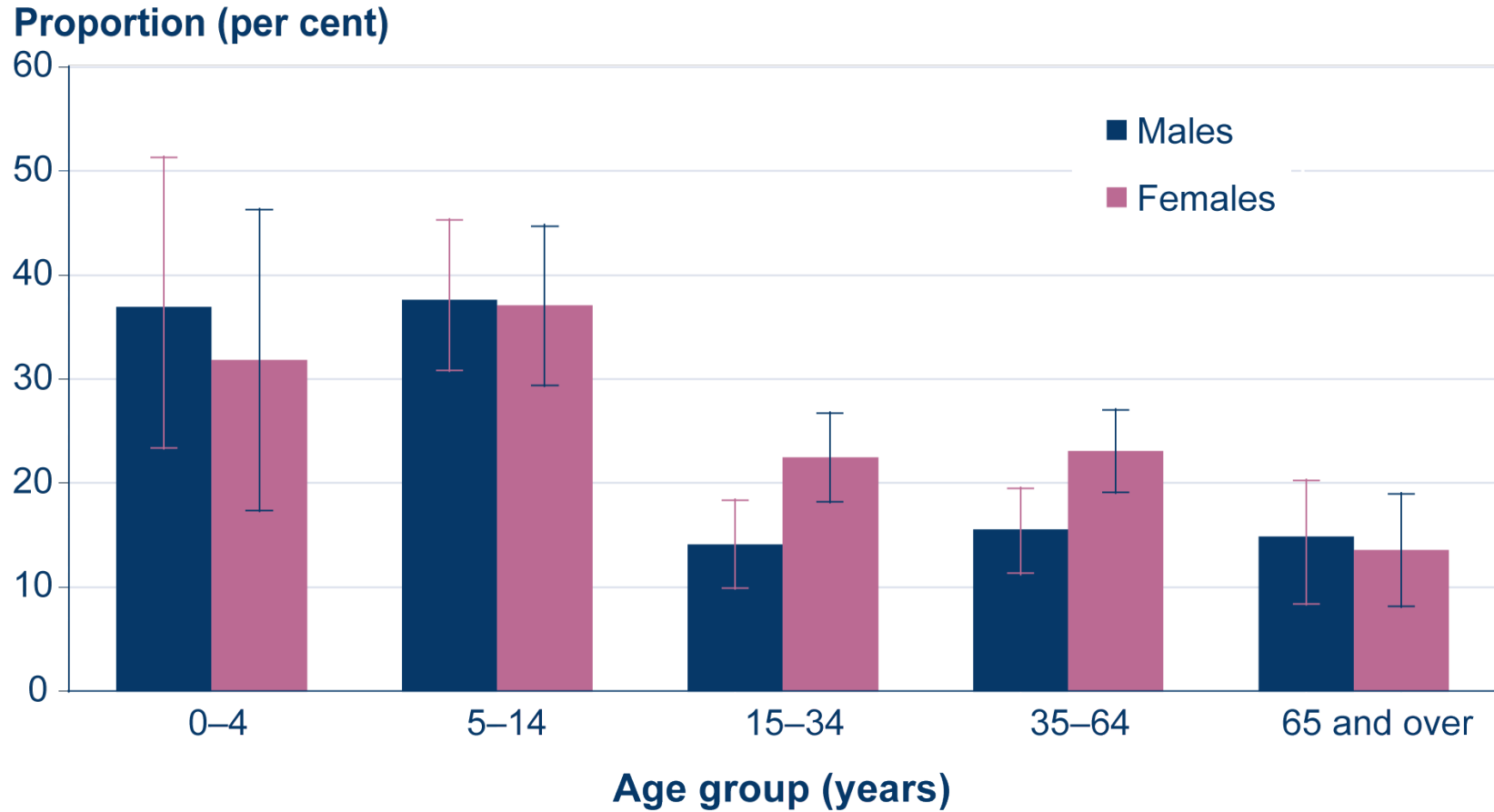


Proportion (per cent)



Possession of a written asthma action plan, by age and sex

Australia, 2004–05

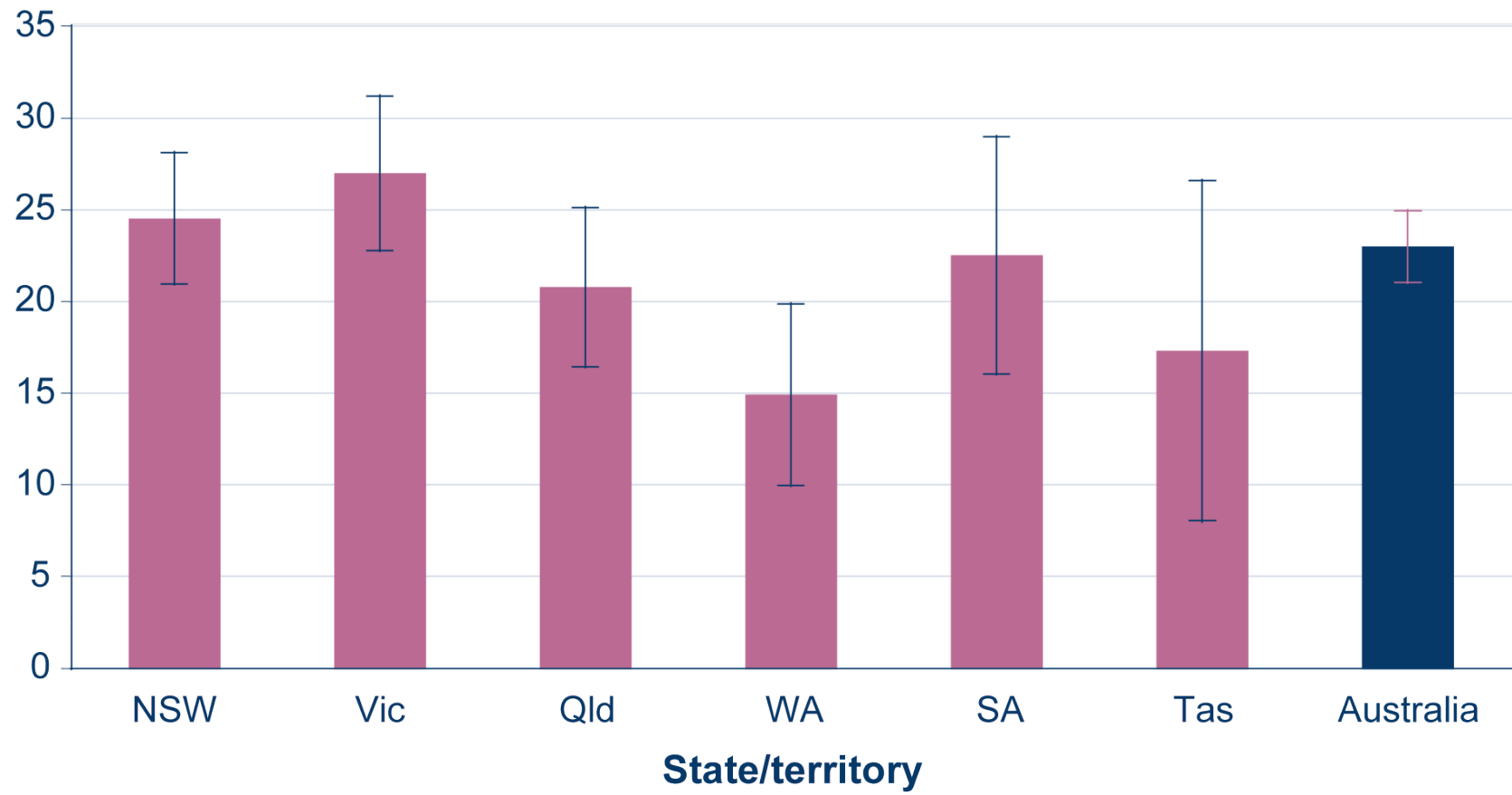


Prevalence of current asthma by state/territory

Australia, 2004–05

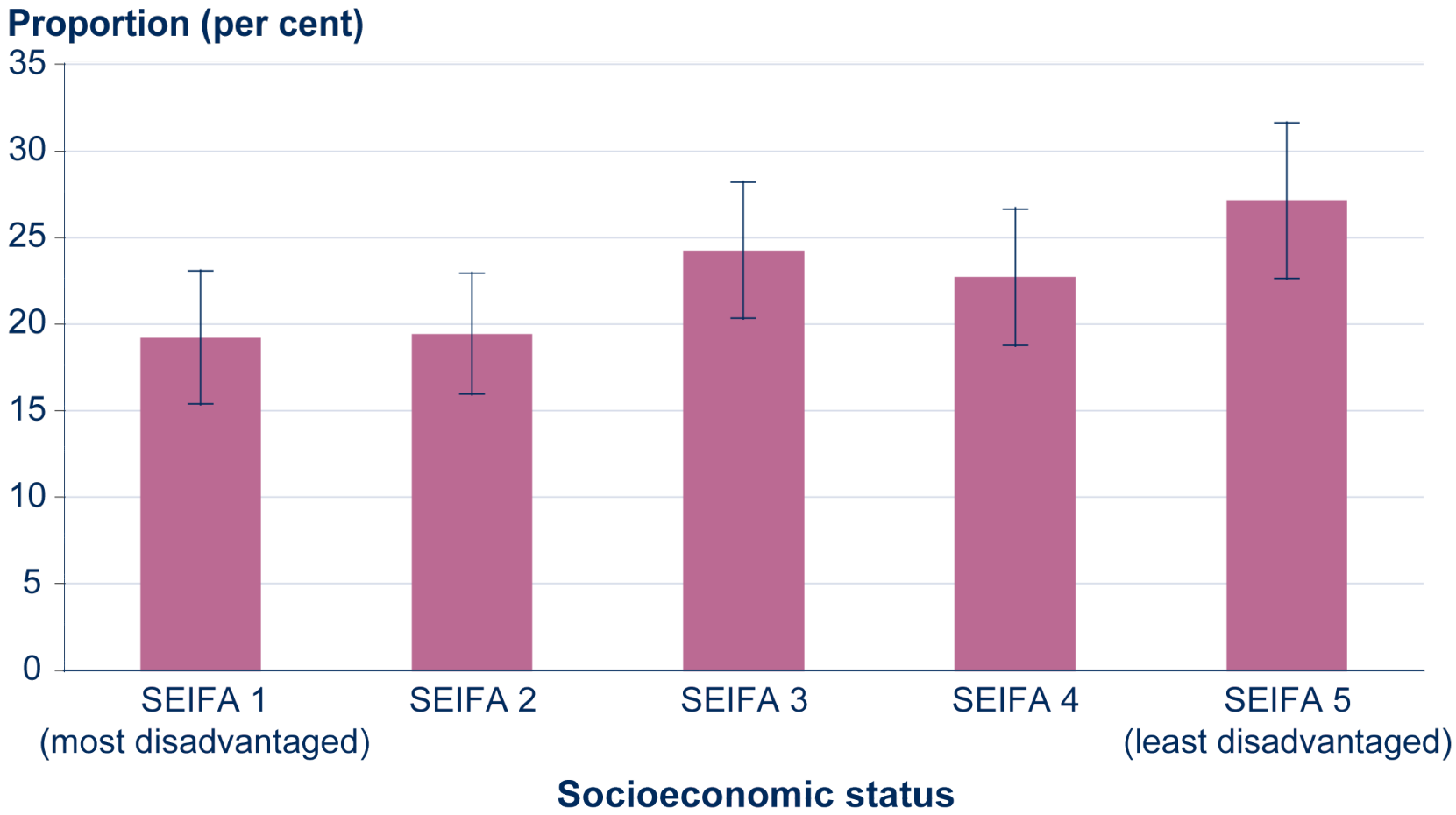


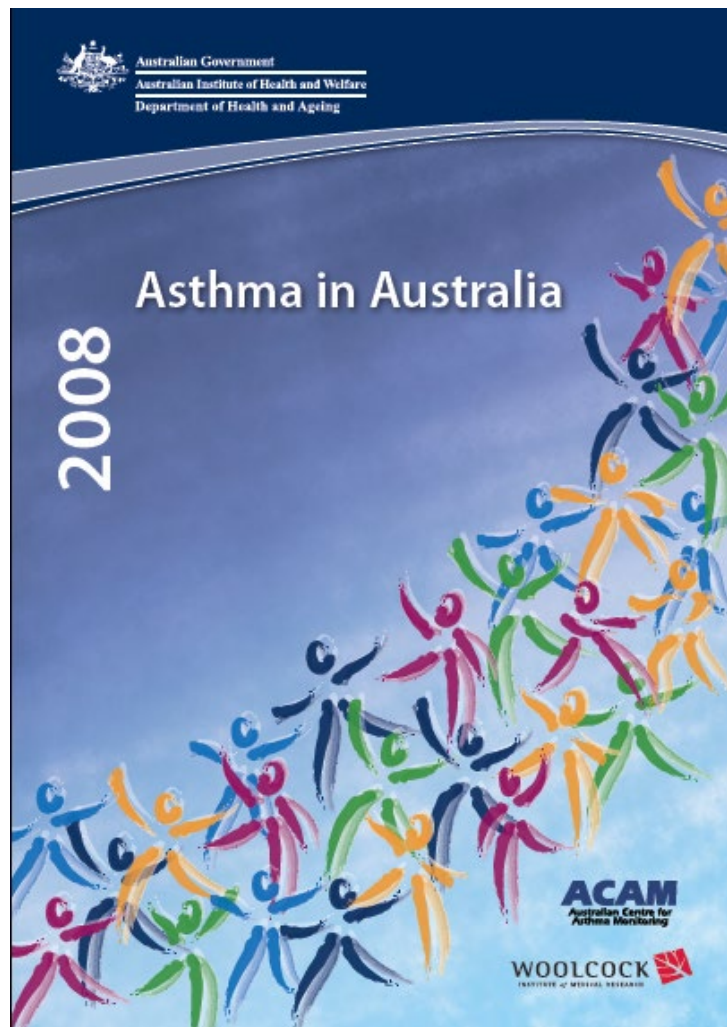
Proportion (per cent)



Possession of asthma action plans by socioeconomic status

Australia, 2004–05





Asthma in Australia 2008

Medications used to treat asthma

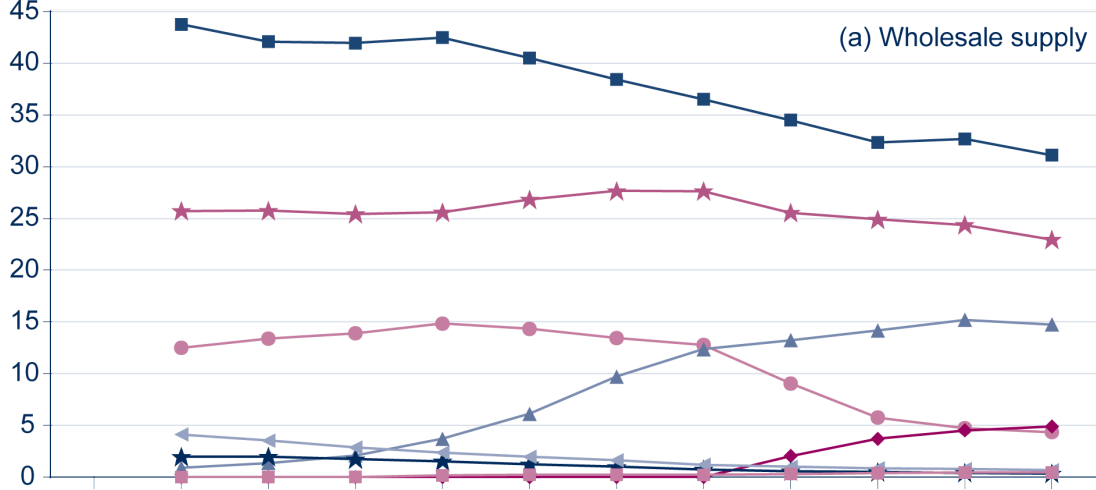


Respiratory medications (a) supplied by wholesalers and (b) reimbursed prescriptions

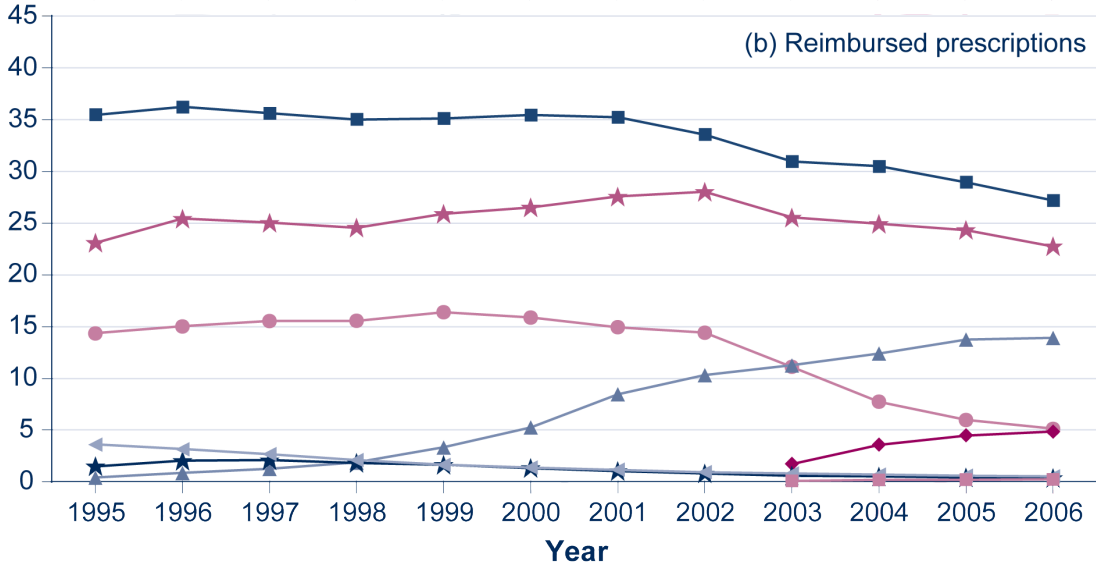
Australia, 1995–2006



DDD per 1,000 persons per day



(b) Reimbursed prescriptions



- Short-acting beta-agonists
- Short-acting anticholinergics
- ▲ Long-acting beta-agonists
- ◆ Long-acting anticholinergics
- ★ Cromones
- ★ Inhaled corticosteroids
- ◀ Theophylline
- Leukotriene receptor antagonists

Inhaled corticosteroids supplied by wholesalers separately or as part of combined therapy

Australia, 1996–2006



DDD per 1,000 persons per day



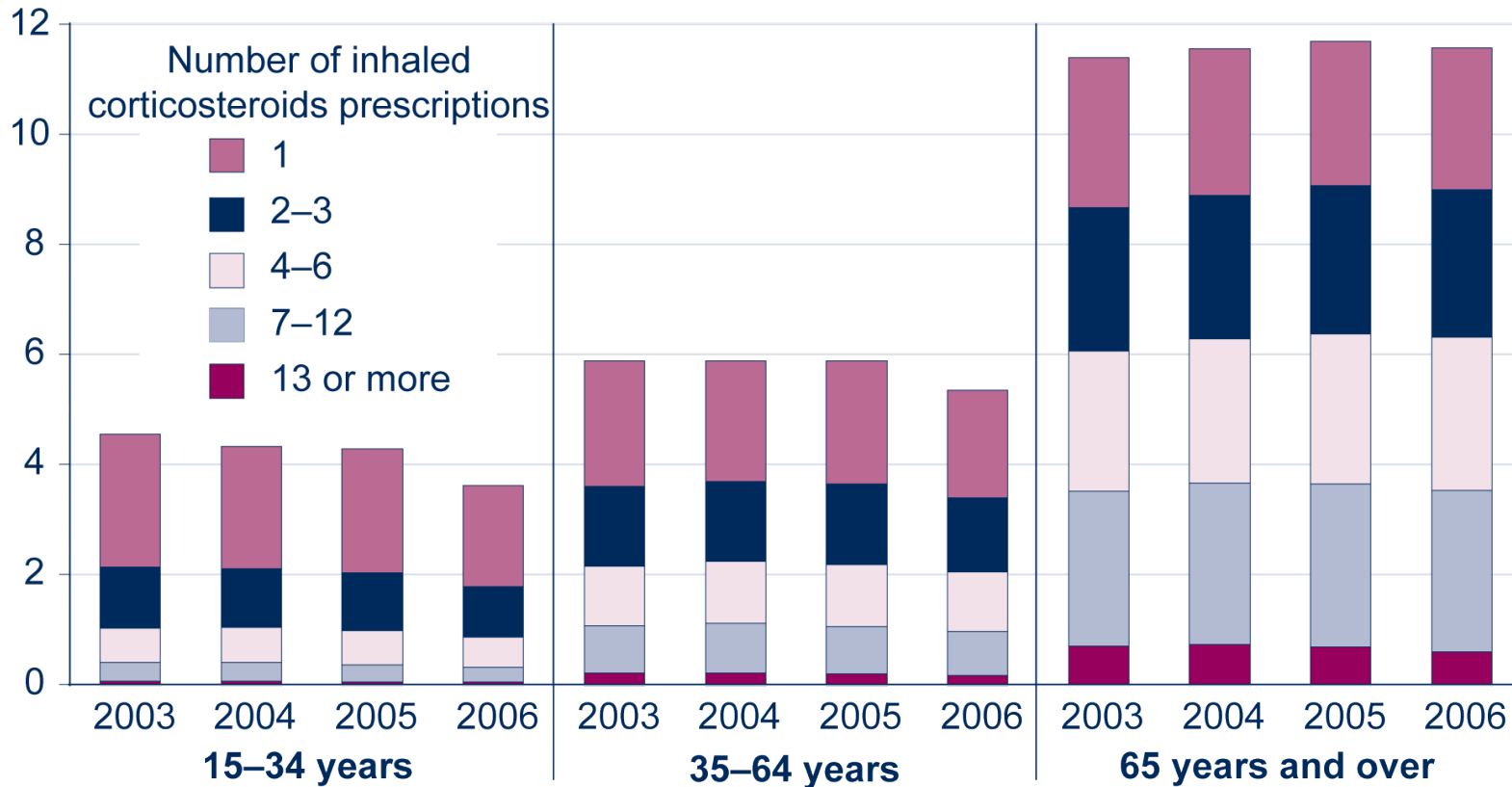
Use of inhaled corticosteroids in adults, by age, number of prescriptions and year

Australia, 2003–2006

(includes ICS alone or in combination with LABA)



Proportion of adults (per cent)



Year/age group



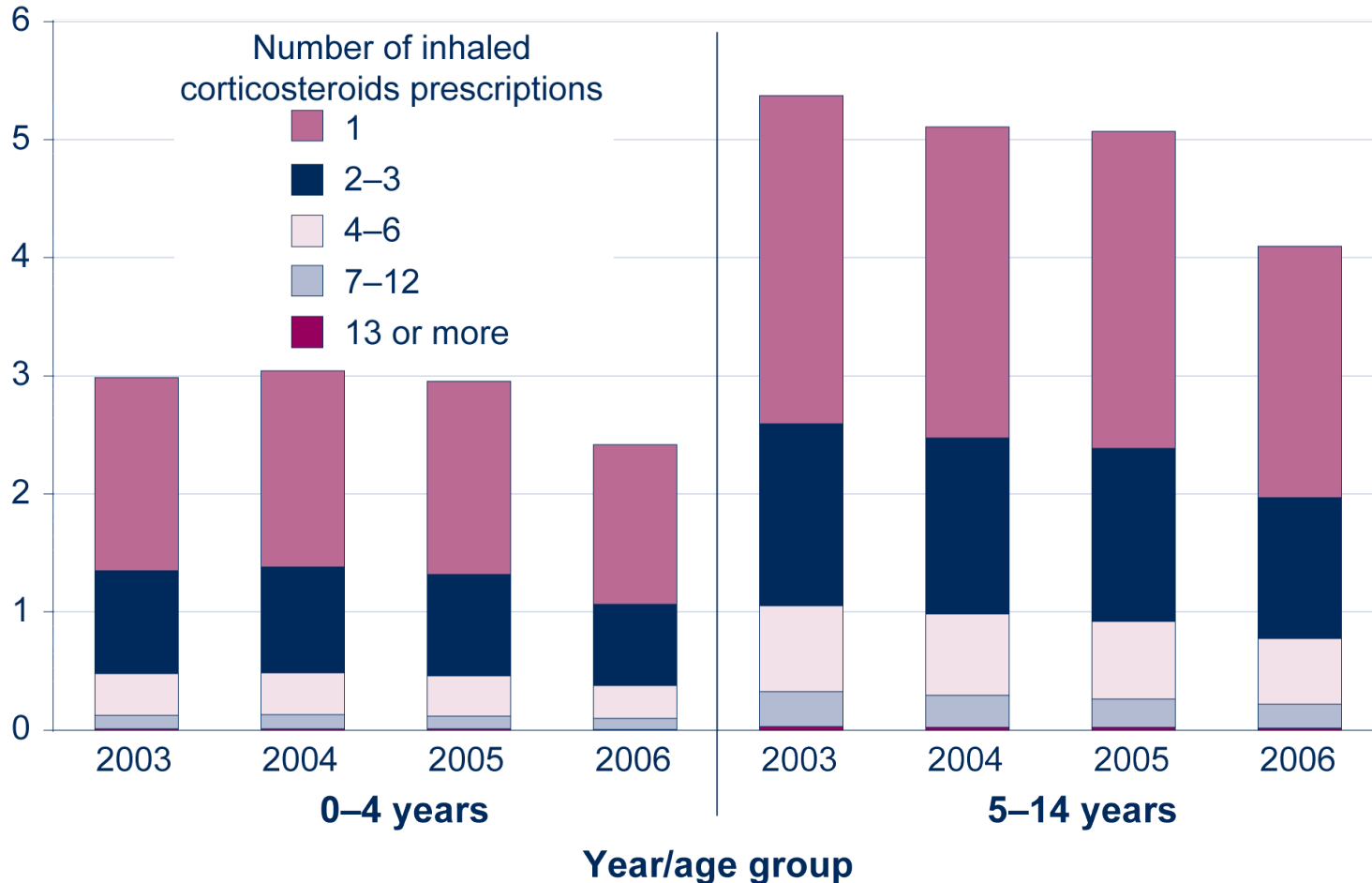
Use of inhaled corticosteroids in children, by age, number of prescriptions and year

Australia, 2003–2006

(includes ICS alone or in combination with LABA)



Proportion of children (per cent)

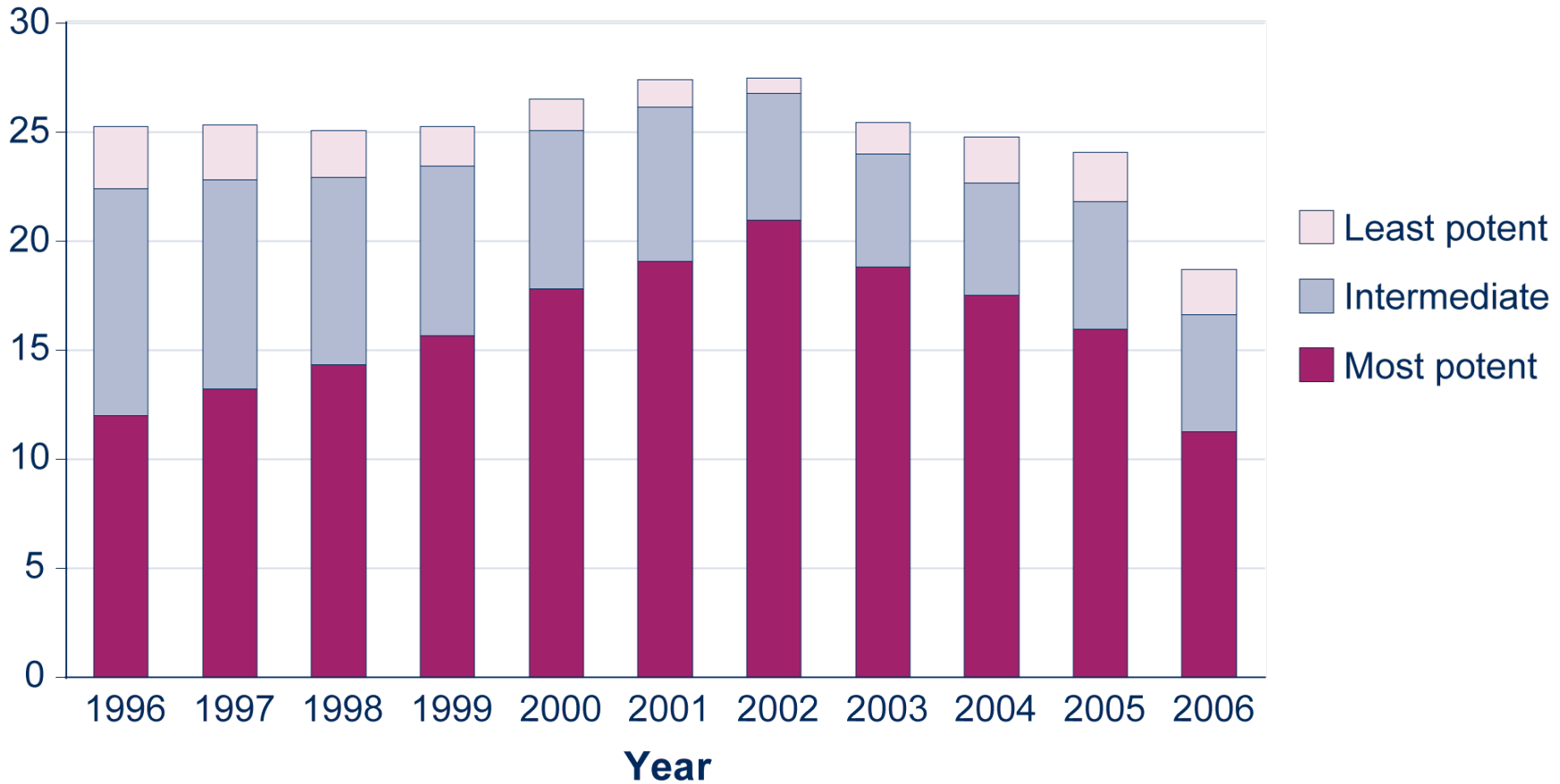


Relative potency of inhaled corticosteroids supplied by wholesalers separately or as part of combined therapy

Australia, 1996–2006



DDD per 1,000 persons per day

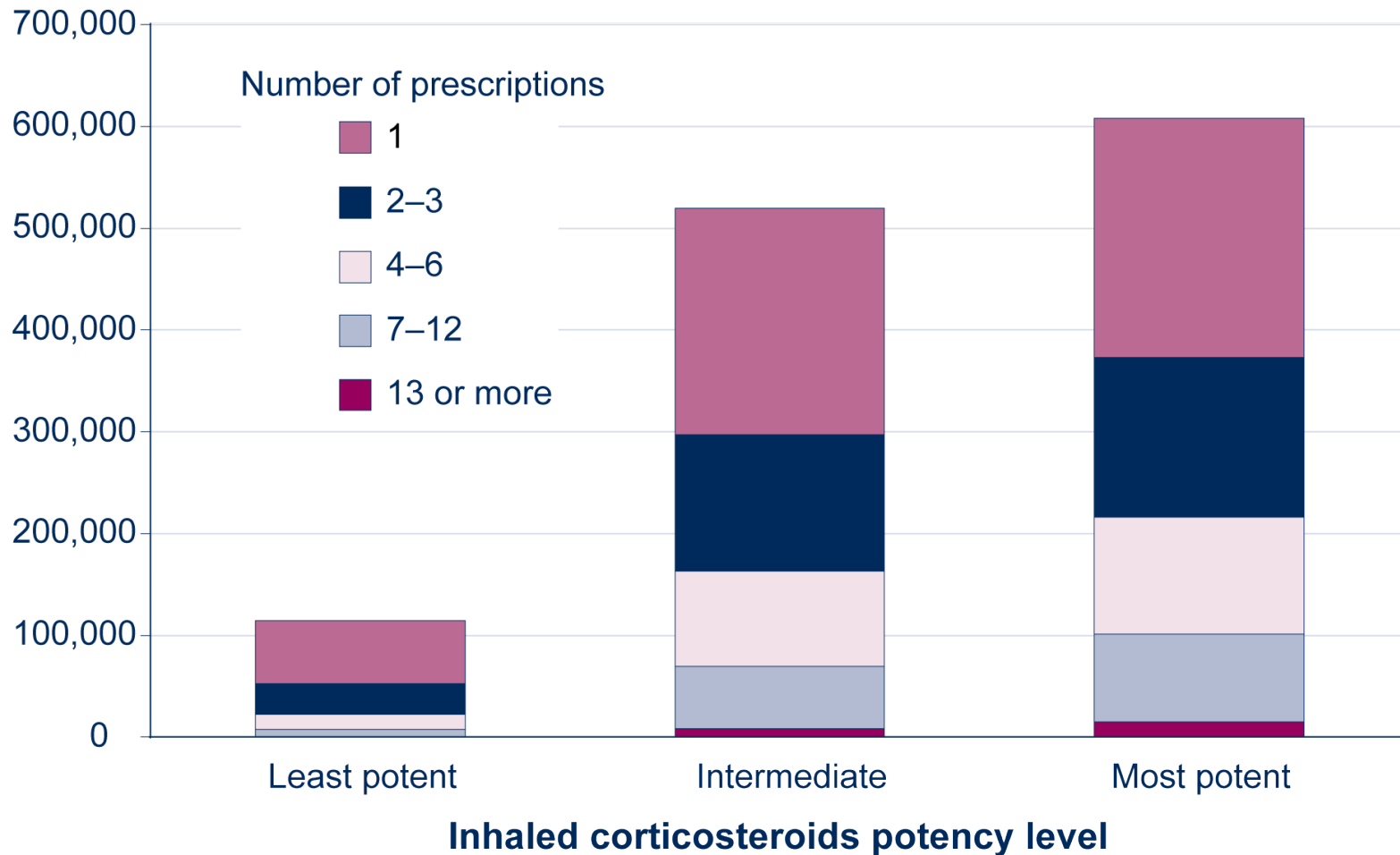


Number of prescriptions for inhaled corticosteroids, by potency class, all persons

Australia, 2006



Number of persons

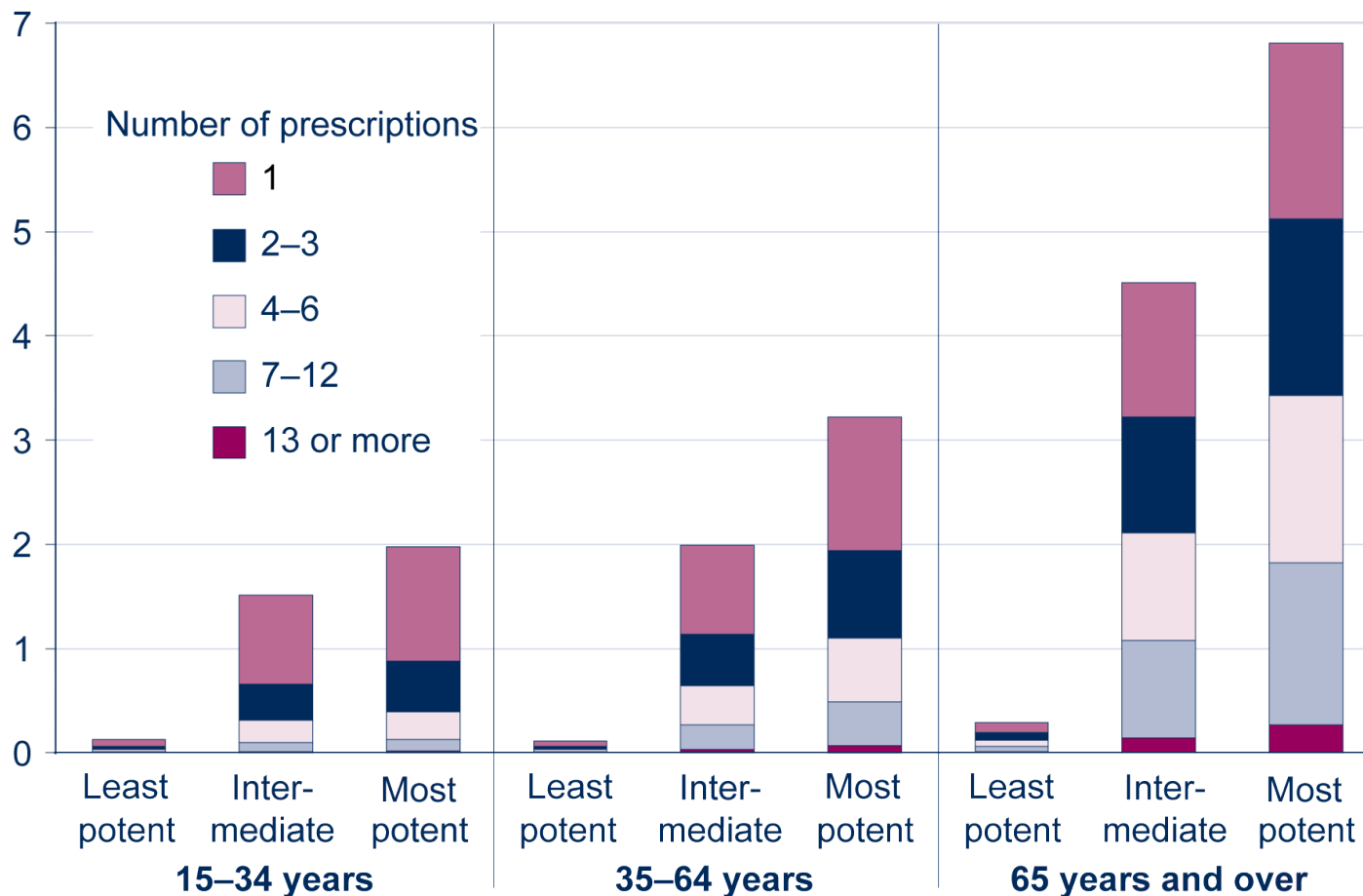


Use of inhaled corticosteroids among adults, by potency class, age and number of prescriptions

Australia, 2006



Proportion of adults (per cent)



Potency level of inhaled corticosteroids/age group

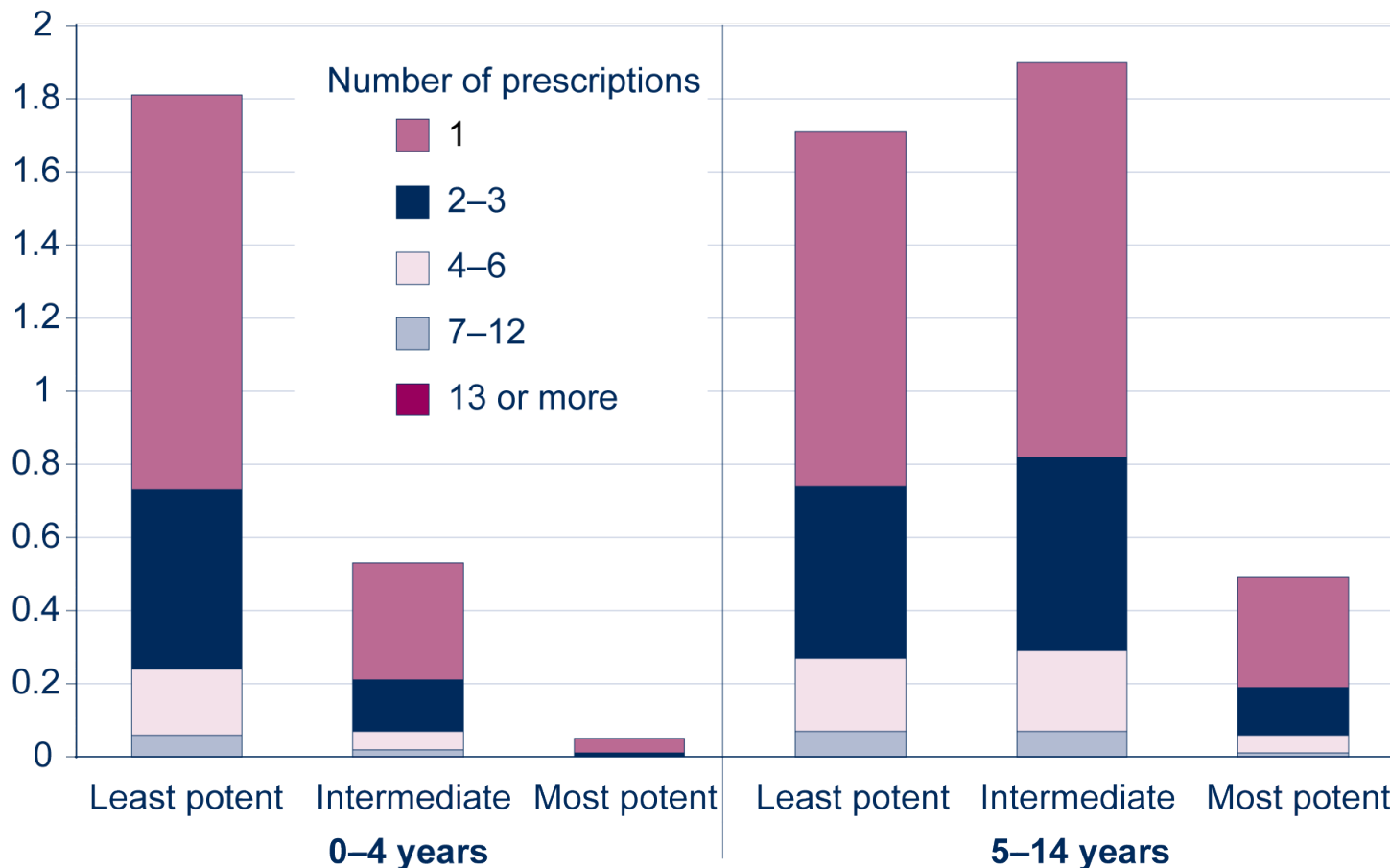


Use of inhaled corticosteroids among children, by potency class, age and number of prescriptions

Australia, 2006



Proportion of children (per cent)



Potency level of inhaled corticosteroids/age group

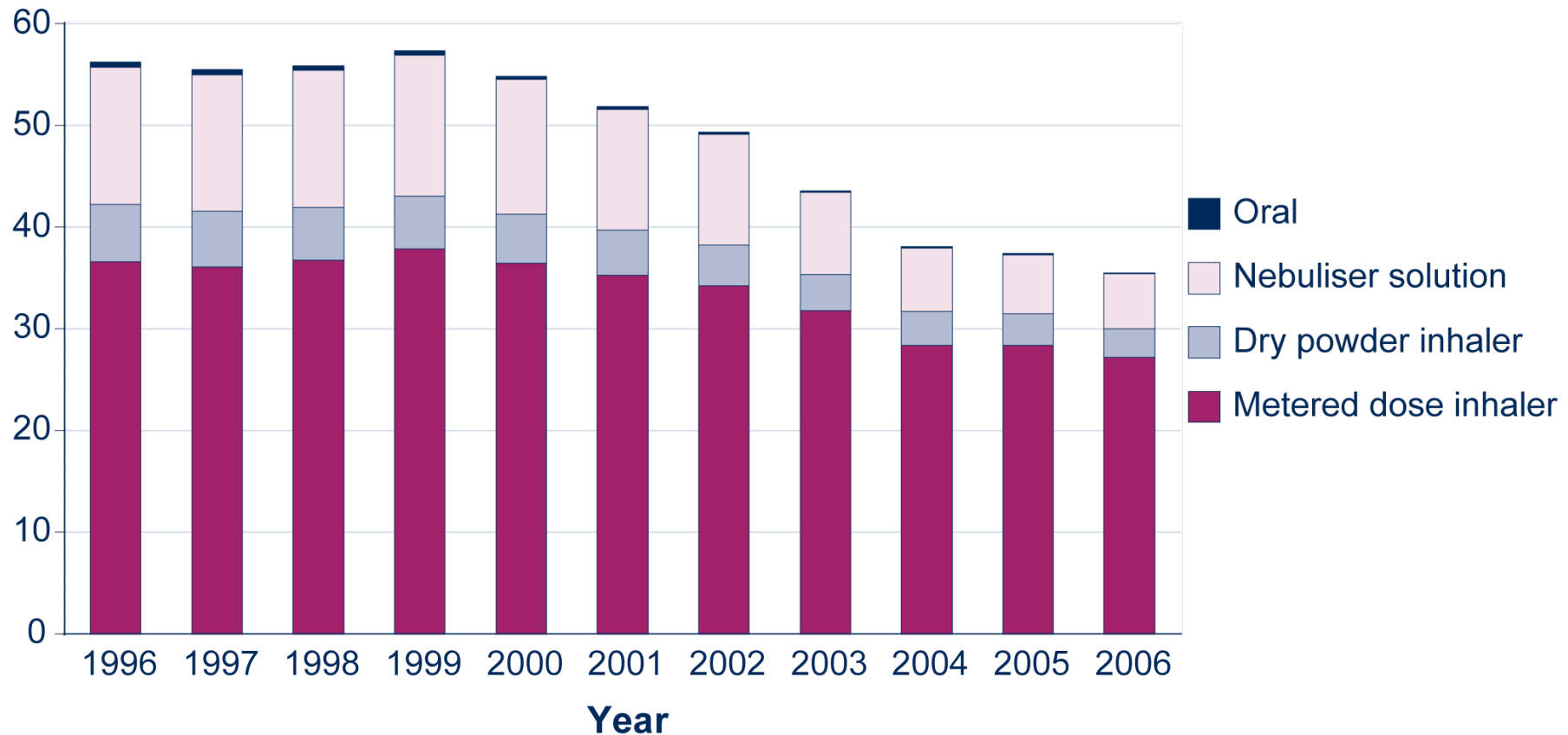


Delivery devices supplied by wholesalers for administration of short-acting beta-agonist and anticholinergic medication

Australia, 1996–2006



DDD per 1,000 persons per day



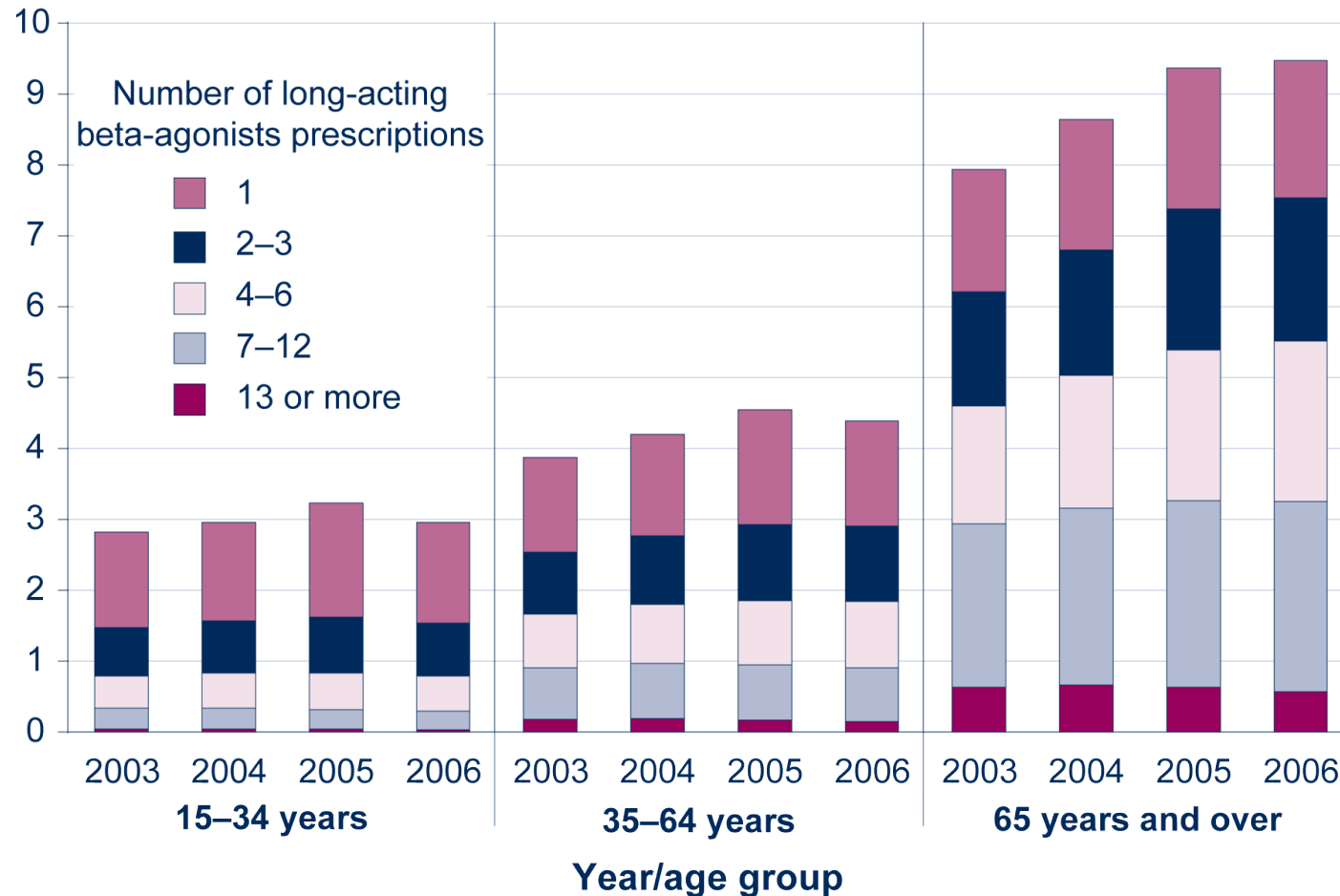
Use of long-acting beta-agonists in adults, by age, number of prescriptions and year

Australia, 2003–2006

(includes LABA alone or in combination with ICS)



Proportion of adults (per cent)



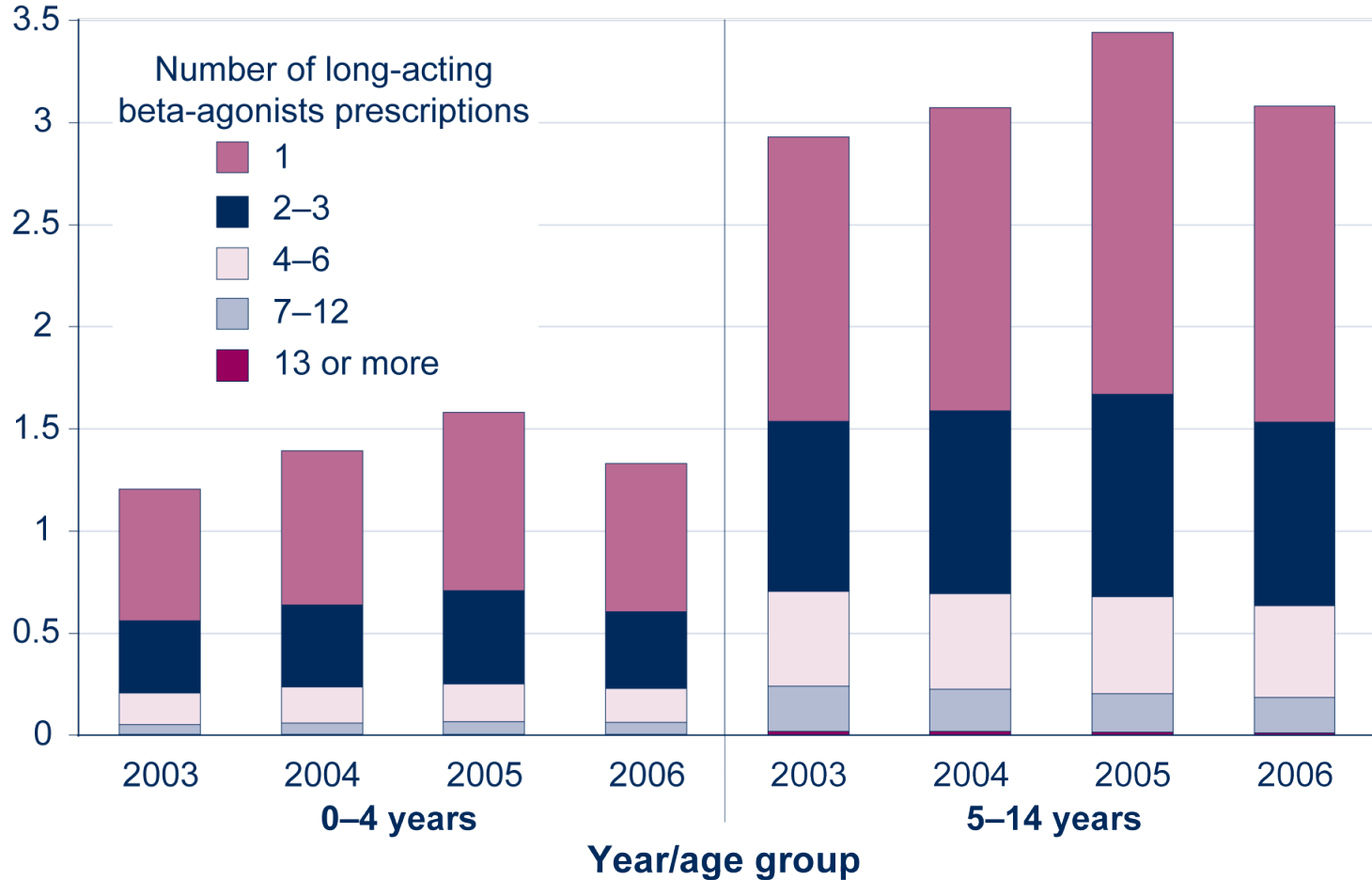
Use of long-acting beta-agonists in children, by age, number of prescriptions and year

Australia, 2003–2006

(includes LABA alone or in combination with ICS)



Proportion of children (per cent)

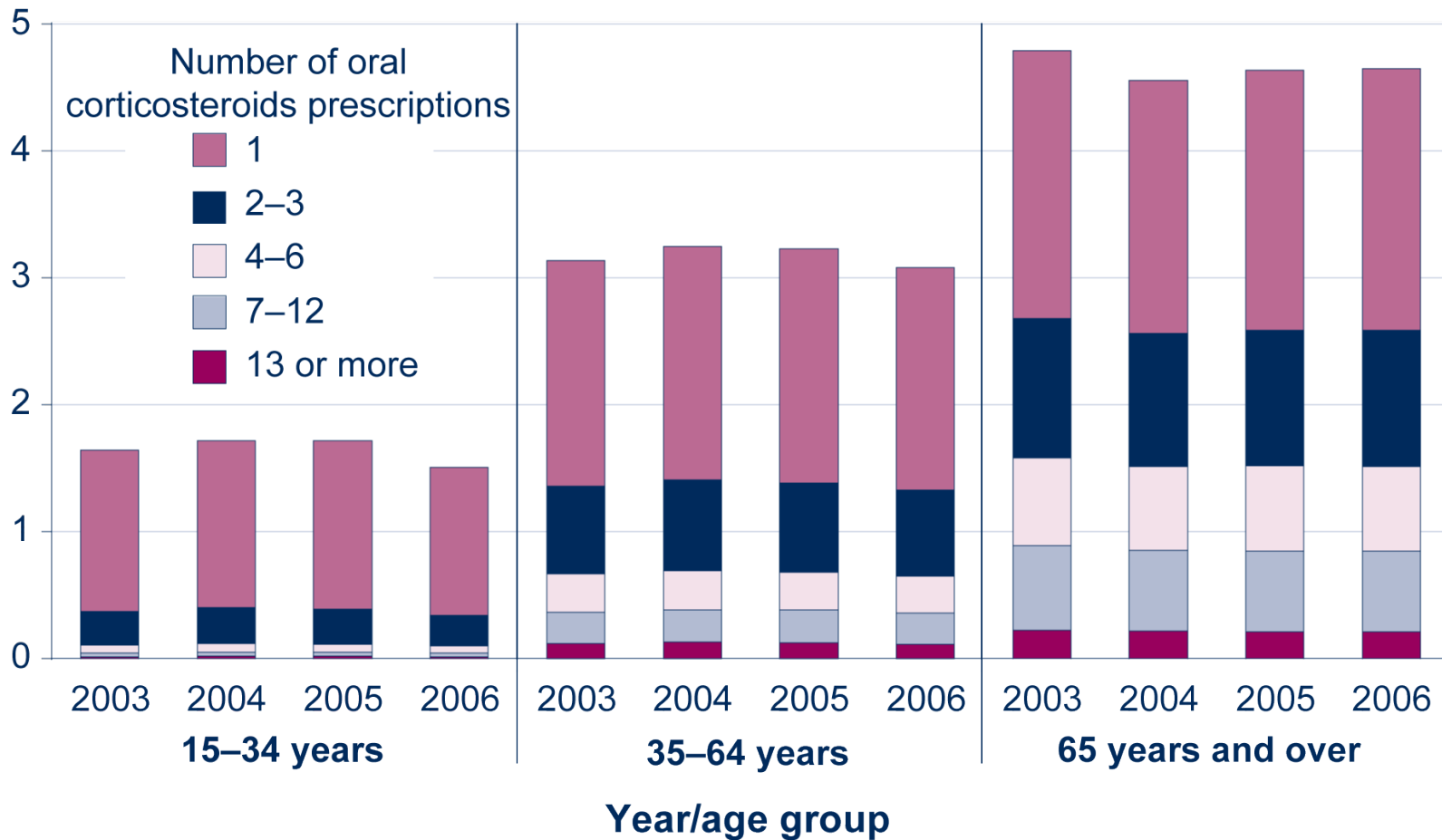


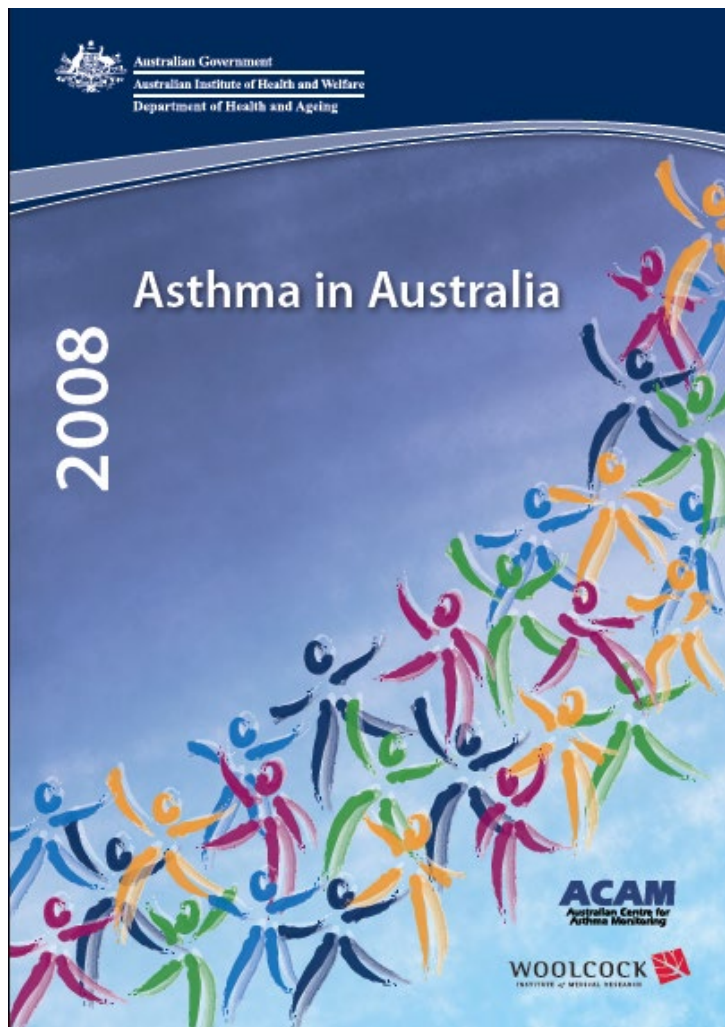
Use of oral corticosteroids among adults with a government health concession card, by age, number of scripts and year

Australia, 2003–2006



Proportion of health concession card holders (per cent)





Asthma in Australia 2008

Tobacco smoke
as a risk factor for
asthma



Australian Government
Australian Institute of Health and Welfare

ACAM
Australian Centre for
Asthma Monitoring

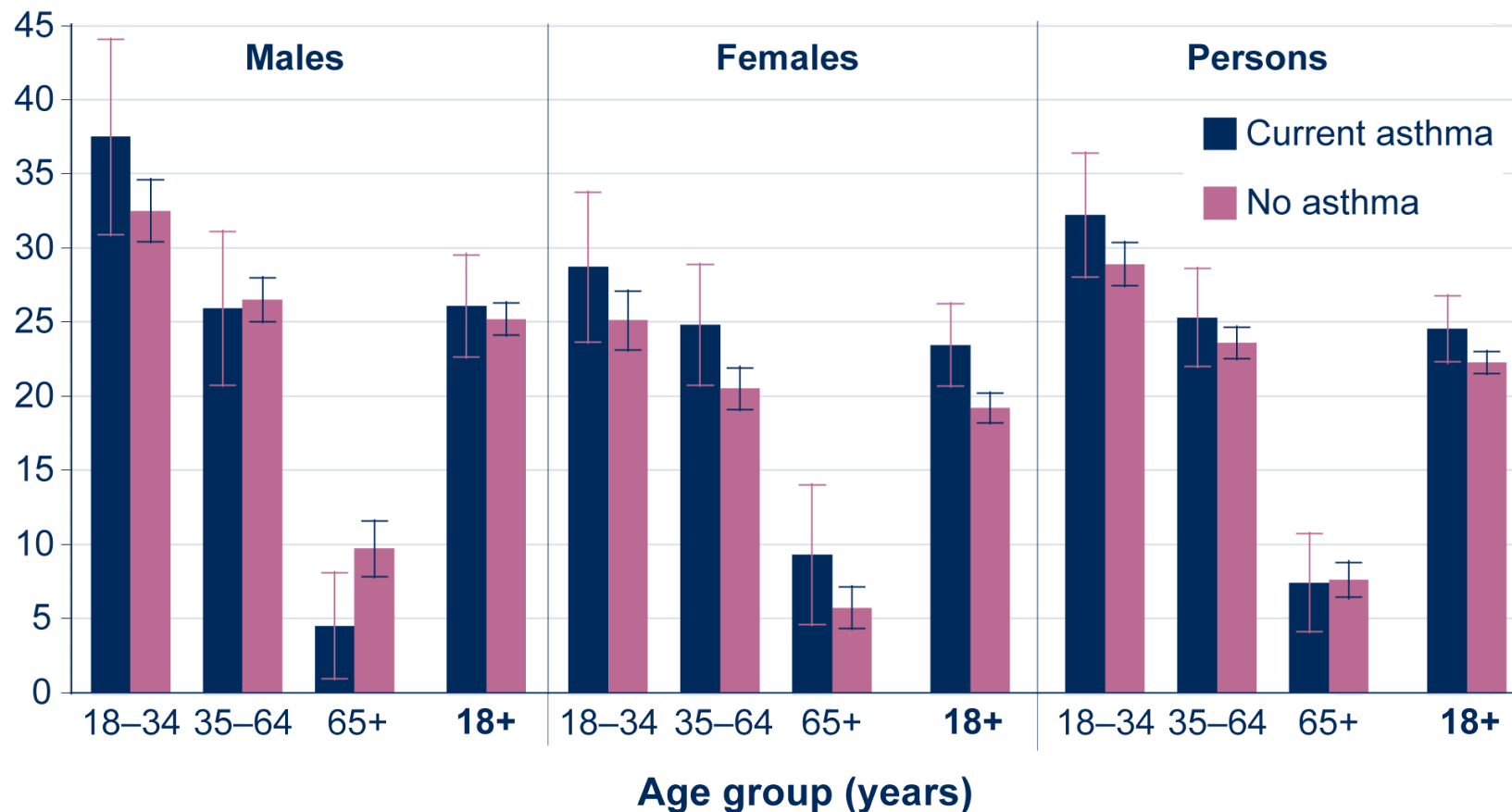
WOOLCOCK
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Prevalence of current smoking among adults, by asthma status, age group and sex

Australia, 2004–05

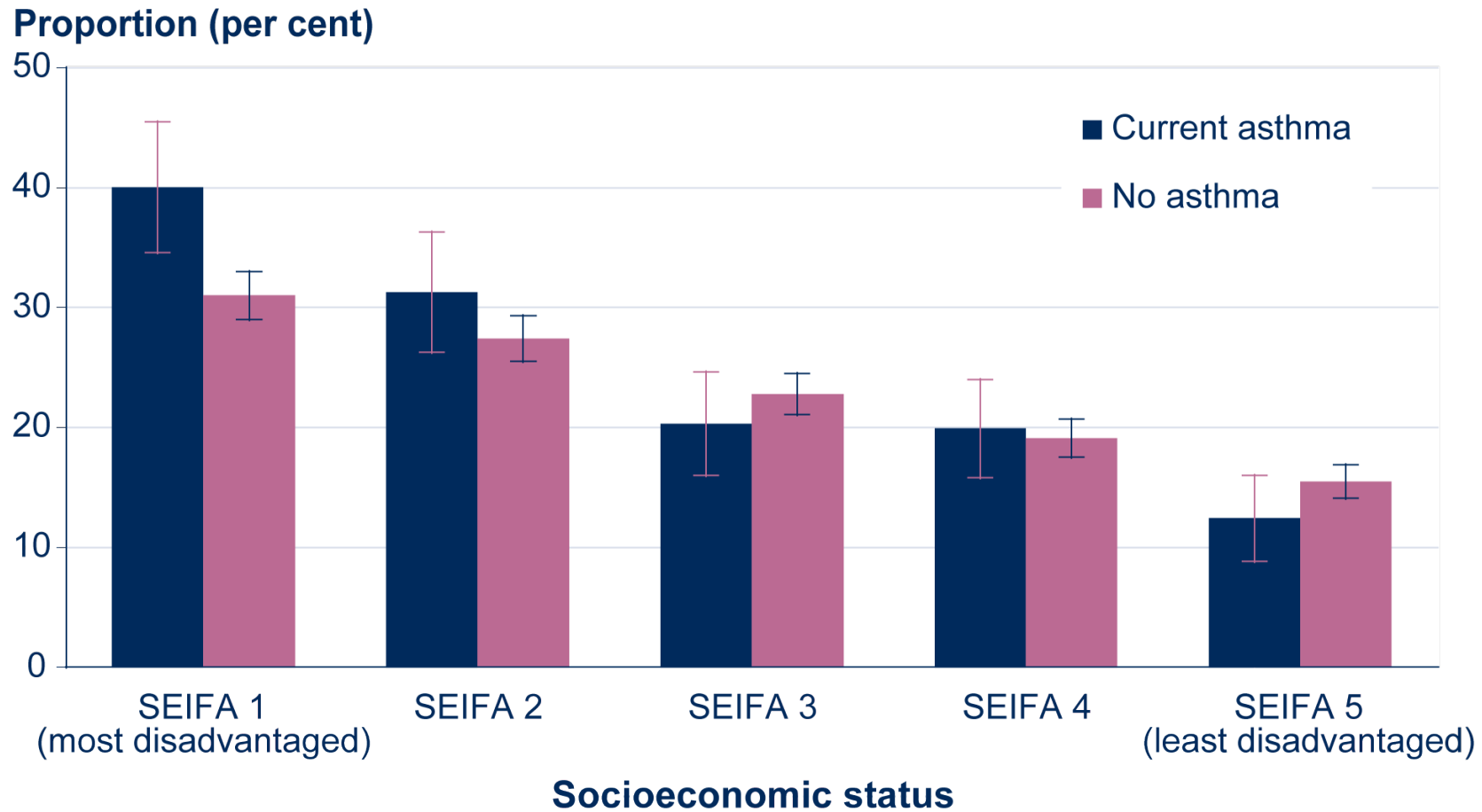


Proportion (per cent)



Prevalence of current smoking among adults, by asthma status and socioeconomic status

Australia, 2004–05

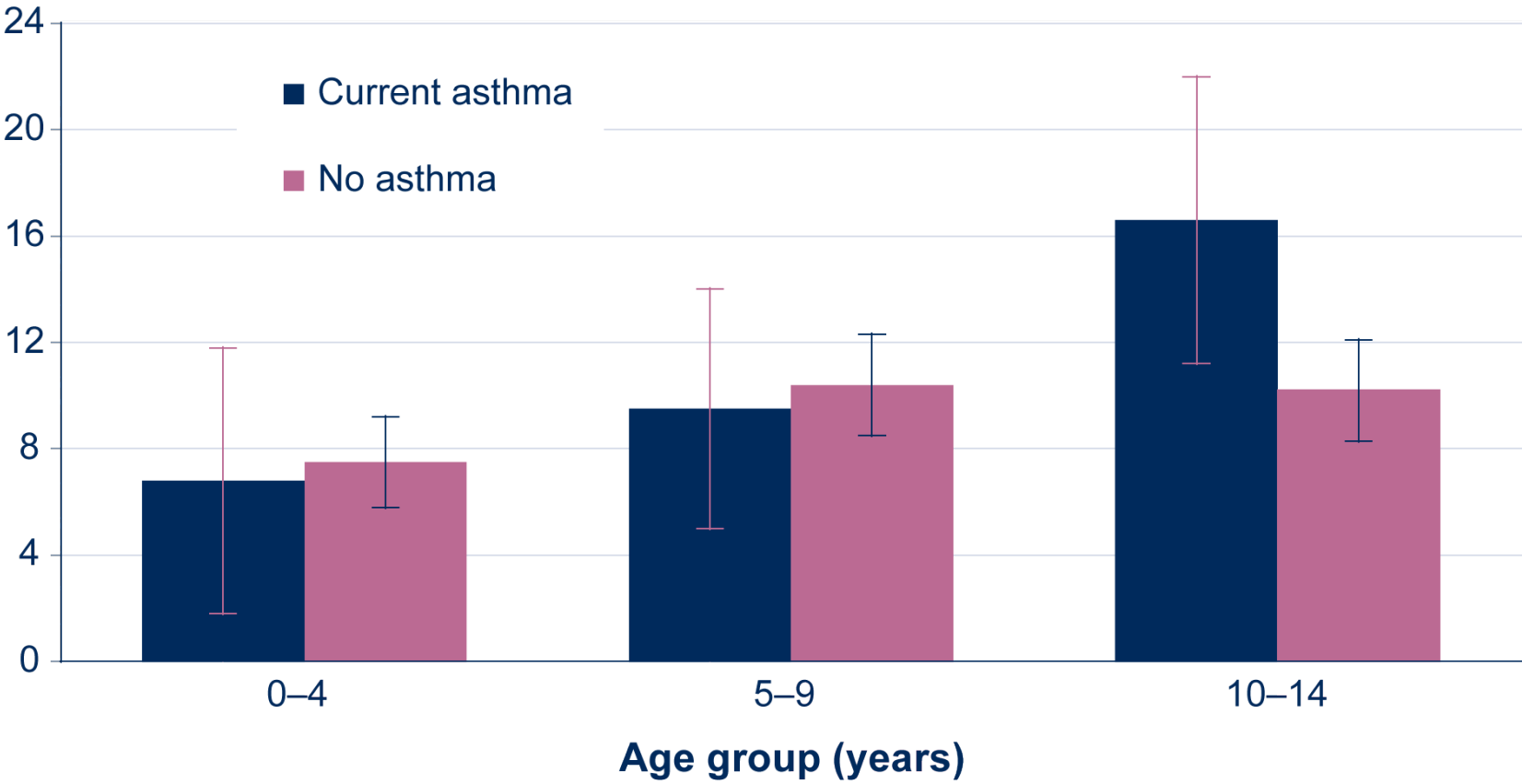


Proportion of children residing with 1+ smokers who usually smoke inside the house, by age and current asthma status

Australia, 2004–05



Proportion (per cent)

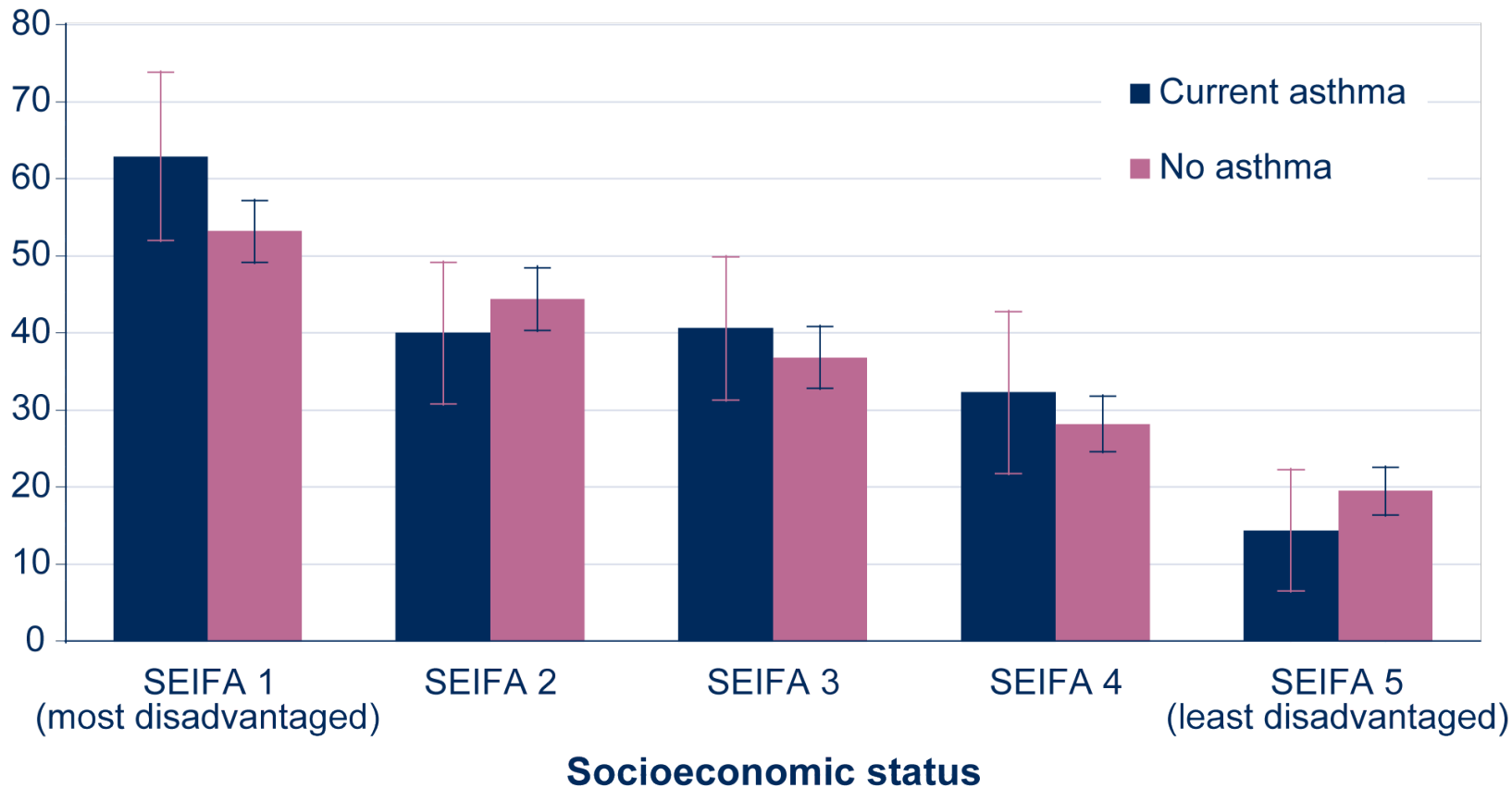


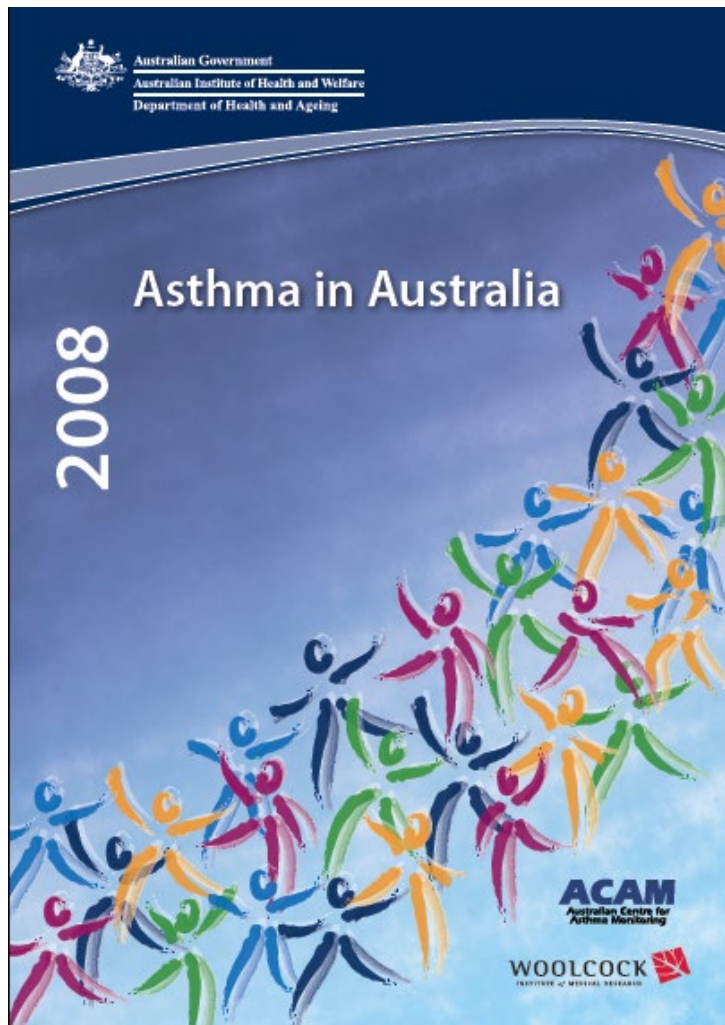
Proportion of children with 1+ smokers in the household, by socioeconomic status and current asthma status

Australia, 2004–05



Proportion (per cent)





Asthma in Australia 2008

Quality of life



Australian Government
Australian Institute of Health and Welfare

ACAM
Australian Centre for
Asthma Monitoring

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Self-assessed health status in people aged 15 years and over, by sex, current asthma status and age group

Australia, 2004–05

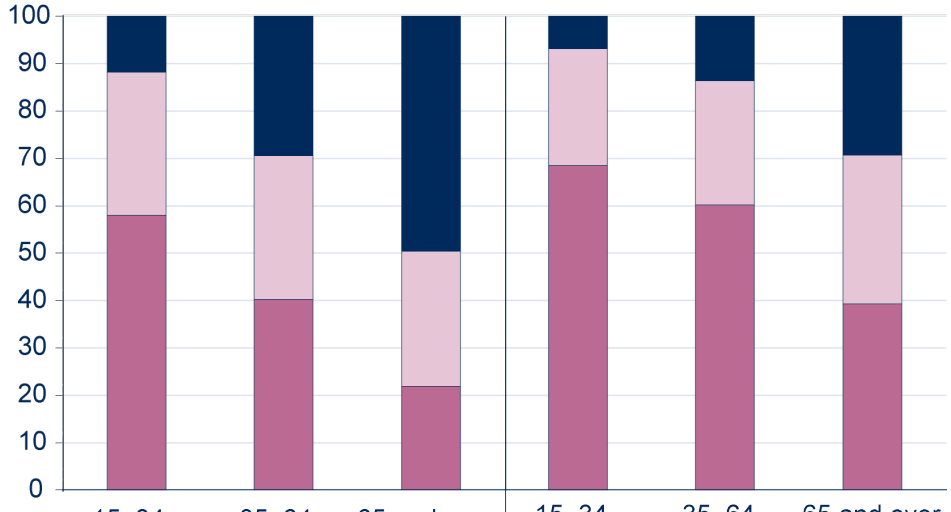
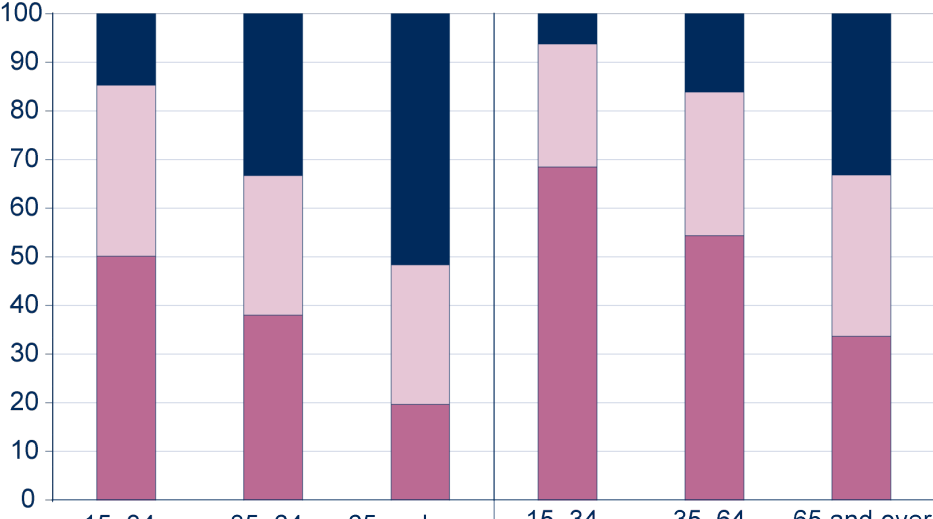


Males

Females

Proportion (per cent)

Proportion (per cent)



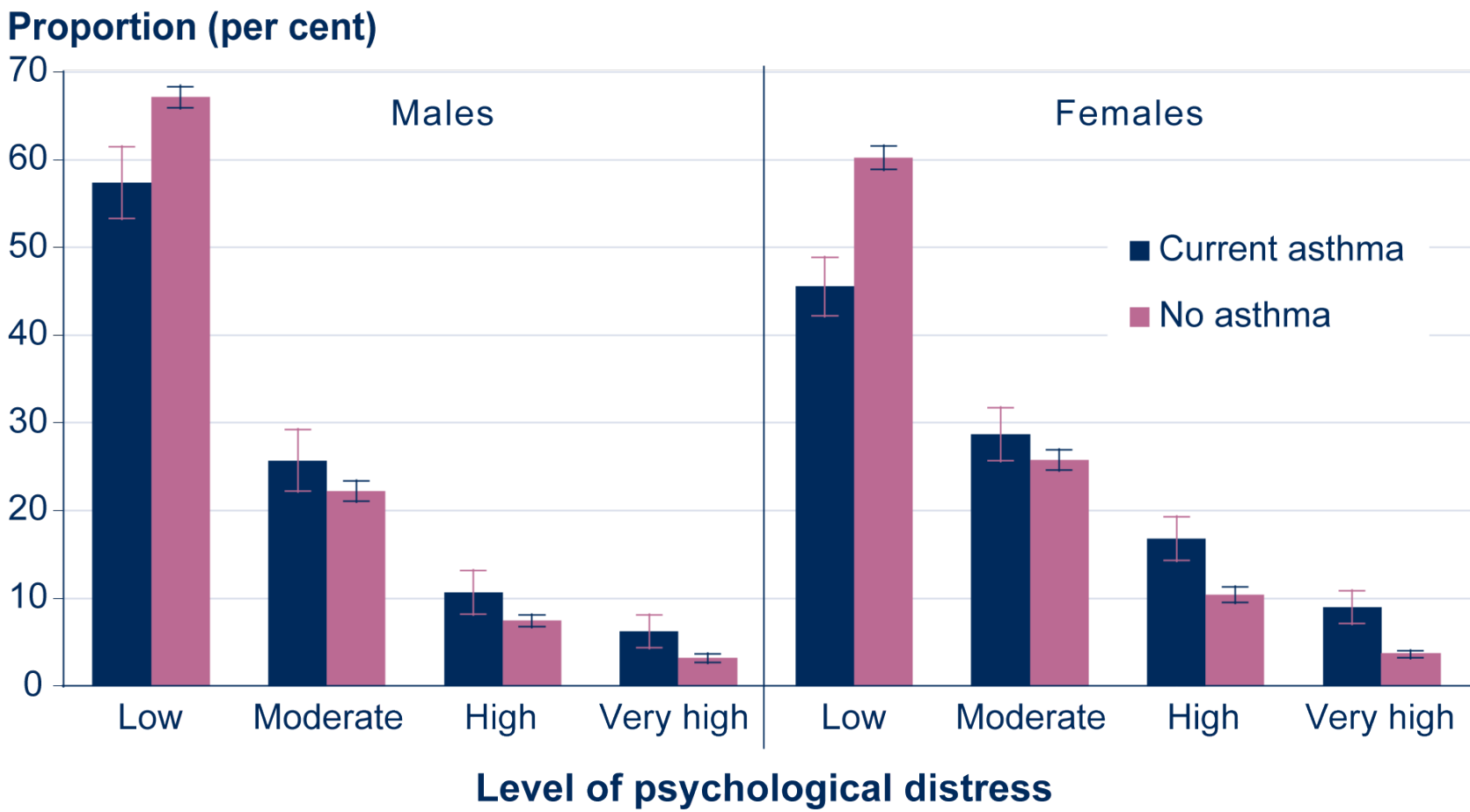
Age group (years) and asthma status

Age group (years) and asthma status

Fair/poor
 Good
 Excellent/very good

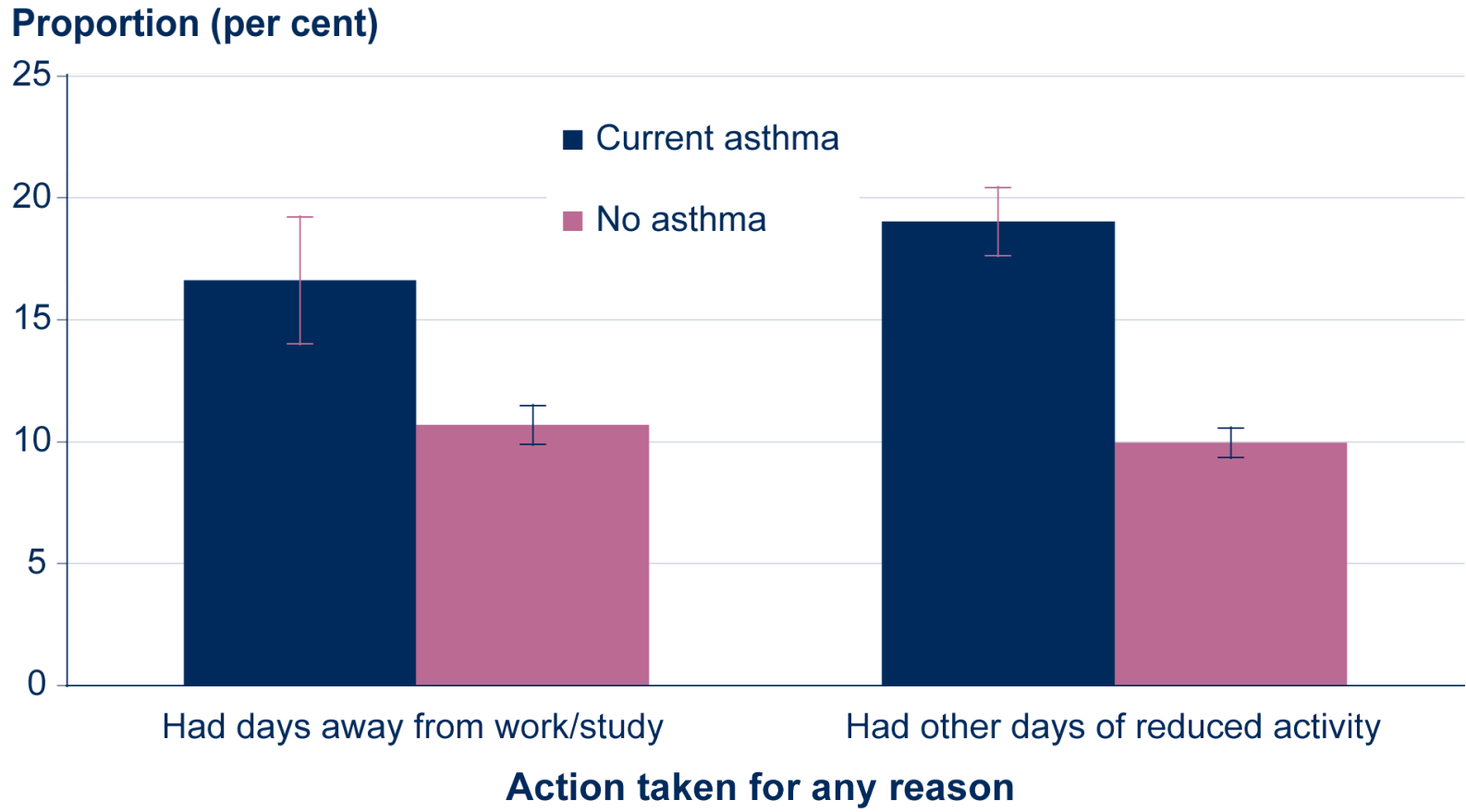
Prevalence of low to very high psychological distress, by asthma status and sex

Australia, 2004–05
people aged 15 years and over



Action taken in last 2 weeks for any reason, by asthma status

Australia, 2004–05
people aged 5 years and over



Action taken in last 2 weeks for any reason, by asthma status and sex

Australia, 2004–05
people aged 5 years and over

