

# Appendices

## Appendix 1: Example of a 2005–06 recording form

**BEACH (Bettering the Evaluation And Care of Health) - Morbidity and Treatment Survey - National** © BMACSI General Practitioner & Statistician Classification Unit, University of Sydney 1996

DOC ID

PATIENT SEEN BY GP

PATIENT NOT SEEN BY GP

Medicare Item Nos: (if applicable)

Workers comp paid

State Govt/Other paid

No charge

Yes / No

New Patient

Health Care/Benefits Card

Veterans Affairs Card

NESB

Aboriginal

Torres Strait Islander

Strength of product

Dose

Frequency

Problem Status

New

Old

Work related

Drug status

GP Supply

New / Cont.

Prac nurse?

Prac nurse?

Prac nurse?

Diagnosis/ Problem 1:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 2:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 3:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 4:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

NEW REFERRALS, ADMISSIONS

Problem(s)

1. 1 2 3 4

2. 1 2 3 4

IMAGING/Other tests

Body site

Problem(s)

1. 1 2 3 4

2. 1 2 3 4

Prac nurse?

START Time

Date of encounter

Date of Birth

Sex

Patient Postcode

Patient Reasons for Encounter

1.

2.

3.

Prac nurse?

Diagnosis/ Problem 1:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 2:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 3:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

Diagnosis/ Problem 4:

Drug Name AND Form for this problem

1.

2.

3.

4.

Procedures, other treatments, counselling this consult for this problem

1.

Prac nurse? 2.

Prac nurse?

NEW REFERRALS, ADMISSIONS

Problem(s)

1. 1 2 3 4

2. 1 2 3 4

IMAGING/Other tests

Body site

Problem(s)

1. 1 2 3 4

2. 1 2 3 4

Prac nurse?

Patient reported Height

cm

Weight

kg

To the patient if 18+: Which best describes your smoking status?

Smoke daily

Smoke occasionally

Previous smoker

Never smoked

Prac nurse?

To the patient if 18+: How often do you have a drink containing alcohol?

Never

Monthly or less

Once a week/fortnight

2-3 times a week

4+ times a week

Prac nurse?

How many 'standard' drinks do you have on a typical day when you are drinking?

Never

Prac nurse?

How often do you have 6 or more standard drinks on one occasion?

Never

Less than monthly

Monthly

Weekly

Daily or almost daily

Prac nurse?

FINISH Time

AM / PM

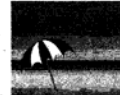
(please circle)

# Appendix 2: GP characteristics questionnaire 2005-06



The University of Sydney  
at Westmead Hospital

General Practice Statistics and  
Classification Unit  
Family Medicine Research Centre



a collaborating unit of the

Australian Institute of Health and Welfare

Doctor Identification Number

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Please fill in boxes or circle answers

1. Sex ..... Male / Female
2. Age .....
3. How many years have you spent in general practice? .....
4. How many GPs work with you at this practice? .....   
*(Practice = shared medical records)*
5. Postcode of major practice address ..
6. In which GP Division is this practice  
.....
7. Year of graduation .....
8. Place of graduation (*primary medical degree*):
  - Aust ..... 1
  - NZ ..... 2
  - Asia ..... 3
  - UK / Ireland ..... 4
  - Other: (specify) ..... 5
9. Do you conduct any of your consultations in a language other than English?
  - No ..... 1
  - Yes - <25% ..... 2
  - Yes - 25 to 50% ..... 3
  - Yes - >50% ..... 4
10. Are you a GP registrar (i.e. in training)? ... Yes / No
11. Are you DVA registered? ..... Yes / No
12. Do you hold FRACGP ? ..... Yes / No
13. Is your major practice accredited ? ..... Yes / No
14. Is there a practice nurse at your major practice address ? ..... Yes / No
15. Number of general practice sessions you usually work per week? .....   
*(1 session = ~4 hrs eg a morning session) ....*
16. Direct patient care hours worked per week? .....   
*(Include hours of direct patient care, instructions, counselling etc and other services such as referrals, prescriptions, phone calls etc.) ....*

17. Over the past four weeks have you provided any patient care ....*(Circle all that apply)*
  - As a locum ..... 1
  - In a deputising service ..... 2
  - In a residential aged care facility ..... 3
  - As a salaried/sessional hospital medical officer ..... 4
  - None of the above ..... 5
18. What are the normal after-hours arrangements for your practice? (*Circle all that apply*)
  - Practice does its own ..... 1
  - Co-operative with other practices ..... 2
  - Deputising service ..... 3
  - Referral to other service (eg A&E) ..... 4
  - Other ..... 5
  - None ..... 6
19. Do you bulk bill ALL patients? ..... Yes / No  
If No, which groups are bulk billed?  
*(Tick those that apply)*

	All	Some
Pensioner/Healthcare Card holders ...	<input type="checkbox"/>	<input type="checkbox"/>
Children <16 years.....	<input type="checkbox"/>	<input type="checkbox"/>
Selected other patients .....	<input type="checkbox"/>	<input type="checkbox"/>
20. To what extent are computers used -
  - (i) at your major practice?      (ii) by you (at work)?
  - Not at all.....1      Not at all ..... 1
  - Billing .....2      Test ordering ..... 2
  - Prescribing .....3      Prescribing .....3
  - Medical Records .....4      Medical Records ..... 4
  - Other Admin .....5      Internet ..... 5
  - Internet / Email .....6      Email .....6
  - (iii) Prescribing / Health record software used is —  
.....
21. Is your major practice site a teaching practice? (*Circle all that apply*)
  - for undergraduates..... 1
  - for GP registrars..... 2
  - No..... 3
22. Did any of your BEACH consultations take place in an Aboriginal Community Controlled Health Service (ACCHS)?
  - No..... 1
  - Yes - all ..... 2
  - Yes - some (which dates?) ..... 3

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Thank you for participating in the **BEACH PROGRAM.**

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## Appendix 3: Dissemination of results from the BEACH program

A full list of BEACH publications is also available from the Family Medicine Research Centre website: <<http://www.fmrc.org.au/publications/>>.

### BOOKS – GENERAL PRACTICE SERIES (BEACH) ISSN 1442-3022

Britt H, Miller GC, Knox S, Charles J, Pan Y, Henderson J, Bayram C, Valenti L, Ng A, O'Halloran J 2005. General practice activity in Australia 2004–05. AIHW cat. no. GEP 18. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 18.

Knox S, Britt H, Pan Y, Miller GC, Bayram C, Valenti L, Charles J, Henderson J, Ng A, O'Halloran J 2005. Locality matters: the influence of geography on general practice activity in Australia 1998–2004. AIHW cat. no. GEP 17. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 17.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Pan Y, Henderson J, Bayram C, O'Halloran J, Ng A 2004. General practice activity in Australia 2003–04. AIHW cat. no. GEP 16. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 16.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Bayram C, O'Halloran J, Henderson J, Pan Y, Harrison C 2004. General practice activity in the states and territories of Australia 1998–2003. AIHW cat. no. GEP 15. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 15.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Henderson J et al. 2003. General practice activity in Australia 2002–03. AIHW cat. no. GEP 14. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 14.

Britt H, Knox S, Miller GC 2003. Changes in pathology ordering by GPs in Australia 1998–2001. AIHW cat. no. GEP 13. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 13.

O'Halloran J, Britt H, Valenti L, Harrison C, Pan Y, Knox S 2003. Older patients attending general practice in Australia 2000–02. AIHW cat. no. GEP 12. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 12.

Bayram C, Britt H, Kelly Z, Valenti L 2003. Male consultations in general practice in Australia 1999–00. AIHW cat. no. GEP 11. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 11.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Henderson J et al. 2002. General practice activity in Australia 2001–02. AIHW cat. no. GEP 10. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 10.

Henderson J, Pan Y, Britt H, Charles J, Miller GC, Knox S 2002. Cardiovascular problems and risk behaviours among patients at general practitioner encounters in Australia 1998–00. AIHW cat. no. GEP 9. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 9.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Henderson J et al. 2001. General practice activity in Australia 2000–01. AIHW cat. no. GEP 8. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 8.

Britt H, Miller GC, Valenti L 2001. 'It's different in the bush': a comparison of general practice activity in metropolitan and rural areas of Australia 1998–2000. AIHW cat. no. GEP 6. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 6.

Britt H, Miller GC, Knox S 2001. Imaging orders by general practitioners in Australia 1999–00. AIHW cat. no. GEP 7. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 7.

Britt H, Miller GC, Charles J, Knox S, Sayer GP, Valenti L et al. 2000. General practice activity in Australia 1999–2000. AIHW cat. no. GEP 5. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 5.

Sayer GP, Britt H, Horn F, Bhasale A, McGeechan K, Charles J et al. 2000. Measures of health and health care delivery in general practice in Australia. AIHW cat. no. GEP 3. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 3.

Britt H, Miller GC, McGeechan K, Sayer GP 1999. Pathology ordering by general practitioners in Australia 1998. AIHW cat. no. GEP 4. Canberra: Department of Health and Aged Care.

Britt H, Sayer GP, Miller GC, Charles J, Scahill S, Horn F et al. 1999. General practice activity in Australia 1998–99. AIHW cat. no. GEP 2. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 2.

Britt H, Sayer GP, Miller GC, Charles J, Scahill S, Horn F et al. 1999. BEACH Bettering the Evaluation and Care of Health: a study of general practice activity, six-month interim report. AIHW cat. no. GEP 1. Canberra: Australian Institute of Health and Welfare, General Practice Series No. 1.

#### **OTHER BOOKS**

Senes S, Britt H 2001. A general practice view of cardiovascular disease and diabetes in Australia. AIHW cat. no. CVD 17. Canberra: Australian Institute of Health and Welfare, Cardiovascular Disease Series No. 18.

#### **CONTRIBUTIONS TO BOOKS**

Australian Institute of Health and Welfare. 2006 Australia's health 2006: the tenth biennial health report of the Australian Institute of Health and Welfare. Britt H, contributor. Canberra: AIHW.

Australian Government Department of Health and Ageing. 2005 General practice in Australia: 2004. Britt H, contributor. Canberra: DoHA.

Australian Institute of Health and Welfare 2004. Australia's health 2004: the ninth biennial health report of the Australian Institute of Health and Welfare. Britt H, contributor. Canberra: AIHW.

Australian Institute of Health and Welfare 2002. Australia's health 2002: the eighth biennial health report of the Australian Institute of Health and Welfare. Britt H, contributor. Canberra: AIHW.

Australian Institute of Health and Welfare 2000. Australia's health 2000: the seventh biennial health report of the Australian Institute of Health and Welfare. Britt H, contributor. Canberra: AIHW.

Commonwealth Department of Health and Aged Care 2000. General practice in Australia: 2000. Britt H, contributor. Canberra: DHAC.

Australian Institute of Health and Welfare 1998. Australia's health 1998: the sixth biennial health report of the Australian Institute of Health and Welfare. Britt H, contributor. Canberra: AIHW.

#### **REFEREED ARTICLES IN RECOGNISED JOURNALS**

Henderson J, Britt H, Miller G 2006. Extent and utilisation of computerisation in Australian general practice. *Med J Aust* 185(2):84–87.

Charles J, Britt H, Valenti L 2006. The independent effect of age of general practitioner on clinical practice. *Med J Aust* 185(2):105–9.

- Miller GC, Britt HC, Valenti L, Knox S 2006. Adverse drug events: counting is not enough, action is needed [letter]. *Med J Aust* 184(12):646.
- Miller GC, Britt HC, Valenti L 2006. Adverse drug events in general practice patients in Australia. *Med J Aust* 184(7):321.
- Proude EM, Britt H, Valenti L, Conigrave KM 2006. The relationship between self-reported alcohol intake and the morbidities managed by GPs in Australia. *BMC Fam Pract* 7(1):17.
- Bindman AB, Forrest C, Britt H, Crampton P, Majeed A 2006. Comparing primary care practice in Australia, New Zealand, and the United States. *J Gen Intern Med* Vol. 20(s1):134.
- Pan Y, Henderson J, Britt H 2006. Antibiotic prescribing in Australian general practice: How has it changed from 1990-91 to 2002-03? [Epub ahead of print]. *Respir Med*.
- Chen MY, Pan Y, Britt H, Donovan B 2006. Trends in clinical encounters for pelvic inflammatory disease and epididymitis in a national sample of Australian general practices. *Int J STD AIDS* 17(6):384.
- Doran CM, Valenti L, Robinson M, Britt H, Mattick RP 2006. Smoking status of Australian general practice patients and their attempts to quit. *Addict Behav* 31(5):758.
- Freedman E, Britt H, Harrison CM, Mindel A 2006. Sexual health problems managed in Australian general practice: a national, cross sectional survey. *Sex Transm Infect* 82(1):61-6.
- Rae K, Britt H, Orchard J, Finch C 2005. Classifying sports medicine diagnoses: a comparison of the International classification of diseases 10 – Australian modification (ICD-10-AM) and the Orchard sports injury classification system (OSICS-8). *Br J Sports Med* 39(12):907-11.
- Degenhardt L, Knox S, Barker B, Britt H, Shakeshaft A 2005. The management of alcohol, tobacco and illicit drug use problems by general practitioners in Australia. *Drug Alcohol Rev* 24(6):499-506.
- Britt HC, Valenti L, Miller GC 2005. Determinants of consultation length in Australian general practice. *Med J Aust* 183(2):68-71.
- Valenti L, Charles J, Britt H 2005. Passive smoke in Australian homes: 1999 to 2004 [letter]. *Aust N Z J Public Health* 29(4):387-8.
- Harrison CM, Britt HC 2005. Antidepressant use in children: a less depressing story [letter]. *Med J Aust* 182(2):92.
- Harris MF, Furler J, Valenti L, Harris E, Britt H 2004. Matching care to need in general practice: A secondary analysis of Bettering the Evaluation and Care of Health (BEACH) data. *Australian Journal of Primary Health* 10(3):151-5.
- Knox SA, Chondros P 2004. Observed intra-cluster correlation coefficients in a cluster survey sample of patient encounters in general practice in Australia. *BMC Med Res Methodol* 4(1):30.
- O'Halloran J, Britt H, Valenti L, Harrison C, Pan Y, Knox S et al. 2004. Encounters with older patients in Australian general practice. *Aust Fam Physician* 33(10):776.
- Gruen RL, Knox S, Carson P, O'Rourke IC, Britt H, Bailie RS 2004. The demand for surgery: an analysis of referrals from Australian general practitioners. *ANZ J Surg* 74(10):863-8.
- Harrison CM, Britt H 2004. The rates and management of psychological problems in Australian general practice. *Aust N Z Journ Psychiatry* 38(10):781-8
- Caldwell TM, Jorm AF, Jorm S, Knox S, Braddock KBG, Britt H 2004. General practice encounters in psychological problems in rural, remote and metropolitan areas in Australia. *Aust N Z Journ Psychiatry* (Oct)38(10):774-80.
- Miller G, Britt H, Pan Y, Knox S 2004. Relationship between general practitioner certification and characteristics of care. *Med Care* (Aug)42(8):770-8.

- O'Halloran J, Britt H 2004. General practice encounters with older Australians. *Australas J Ageing* 23(1):7-12.
- Pegram RW, Valenti L 2004. Factors influencing billing status in general practice (letter). *Med J Aust* (Jul)181(2):115.
- Johnston VJ, Britt H, Pan Y, Mindel A 2004. The management of sexually transmitted infections by Australian general practitioners. *Sex Transm Infect* (Jun)80(3):212-5.
- Gruen RL, Knox S, Britt H, Bailie RS 2004. The Surgical Nosology In Primary-care Settings (SNIPS): a simple bridging classification for the interface between primary and specialist care. *BMC Health Serv Res* (May)4(1):8.
- O'Halloran J, Miller GC, Britt H 2004. Defining chronic conditions for primary care with ICPC-2. *Fam Pract* (Aug)21(4):381-6.
- Britt H, Valenti L, Miller GC, Farmer J 2004. Determinants of GP billing in Australia: content and time. *Med J Aust* (Jul)181(2):100-4.
- Charles J, Britt H, Valenti L 2004. The evolution of the general practice workforce in Australia, 1991-2003. *Med J Aust* (Jul)181(2):85-90.
- Charles J, Pan Y, Britt H 2004. Trends in childhood illness and treatment in Australian general practice, 1971-2001. *Med J Aust* (Mar)180(5):216-9.
- Henderson J, Knox S, Pan Y, Britt H 2004. Changes in asthma management in Australian general practice. *Primary Care Respiratory Journal* (Sep)13(3):138-43.
- Knox SA, Britt H 2004. The contribution of demographic and morbidity factors to self-reported visit frequency of patients: a cross-sectional study of general practice patients in Australia. *BMC Fam Pract* (Aug)5(1):17.
- Charles J, Valenti L, Britt H 2003. GP visits by health care card holders. A secondary analysis of data from Bettering the Evaluation and Care of Health (BEACH), a national study of general practice activity in Australia. *Aust Fam Physician* 32(1-2):85-8, 94.
- Bridges-Webb C, Wolk J, Britt H, Pond D 2003. The management of dementia in general practice. A field test of guidelines. *Aust Fam Physician* 32(4):283-5
- Harrison CM, Britt HC 2003. Prescriptions for antipsychotics in general practice (letter). *Med J Aust* 178(9):468-9.
- McManus P, Mant A, Mitchell P, Britt H, Dudley J 2003. Use of antidepressants by general practitioners and psychiatrists in Australia. *Aust N Z J Psychiatry* 37(2):184-9.
- Britt H, Valenti L, Miller G 2002. Time for care. Length of general practice consultations in Australia. *Aust Fam Physician* 31(9):876-80.
- Gruen RL, Knox S, Britt H 2002. Where there is no surgeon: the effect of specialist proximity on general practitioners' referral rates. *Med J Aust* 177(2):111-5.
- Knox SA, Britt H 2002. A comparison of general practice encounters with patients from English-speaking and non-English-speaking backgrounds. *Med J Aust* 177(2):98-101.
- Britt HC, Miller GC 2000. The BEACH study of general practice. *Med J Aust* 173(2):63-4.

#### **OTHER PUBLICATIONS IN REFEREED JOURNALS**

- Charles J, Knox S, Britt H 2006. Skin excisions in Australian general practice. *Aust Fam Physician* 35(7):474
- Charles J, Ng A, Miller G 2006. Management of type 2 diabetes in Australian general practice. *Aust Fam Physician* 35(6):378
- Miller G, Valenti L, Charles J 2006. Use of diagnostic imaging in Australian general practice. *Aust Fam Physician* 35(5):280

Charles J, Miller G, Ng A 2006. GI malignancies in Australian general practice. *Aust Fam Physician* 35(4):186

Charles J, Miller G, Ng A 2006. Management of psychosis in Australian general practice. *Aust Fam Physician* 35(3):88

O'Halloran J, Ng A, Britt H, Charles J 2006. EPC encounters in Australian general practice. *Aust Fam Physician* 35(1-2):8-10.

Charles J, Ng A, Britt H 2005. Management of epilepsy in general practice patients. *Aust Fam Physician* 34(12):1000

Charles J, Miller G, Ng A 2005. Management of renal problems in Australian general practice. *Aust Fam Physician* 34(11):904

Charles J, Britt H, Knox S 2005. Encounters with Indigenous patients in Australian general practice. *Aust Fam Physician* 34(10):810

Charles J, Britt H, Ng A 2005. Management of growth delay in patients aged less than 6 years. *Aust Fam Physician* 34(9):714-5.

Charles J, Ng A, Britt H 2005. Presentations of headache in Australian general practice. *Aust Fam Physician* 34(8):618-9.

Charles J, Ng A, Britt H 2005. Presentations of shortness of breath in Australian general practice. *Aust Fam Physician* 34(7):520-1.

Charles J, Britt H, Ng A 2005. Management of cardiovascular conditions in Australian general practice. *Aust Fam Physician* 34(6):410-1.

Charles J, Britt H, Ng A 2005. Management of inflammatory skin conditions in Australian general practice. *Aust Fam Physician* 34(5):316-7.

Britt H 2005. Adolescent mental health: Reply [letter]. *Aust Fam Physician* 34(4):215-6.

Britt H, Valenti L, Miller G, Charles J 2005. Presentations of diarrhoea in Australian general practice. *Aust Fam Physician* 34(4):218-9.

Charles J, Pan Y, Britt H 2005. Management of infertility in Australian general practice. *Aust Fam Physician* 34(3):104-5.

Charles J, Ng A, Britt H, Pan Y, Miller GC, Valenti L et al. 2005. The treatment of adolescents in Australian general practice. *Aust Fam Physician* 34(1/2):8-9.

Bayram C, Pan Y, Valenti L, Britt H, Charles J, Miller GC et al. 2004. Current status of hormone therapy in general practice in Australia. *Aust Fam Physician* 33(11):872-3.

Britt H, Valenti L, Miller G, Bayram C, Charles J, Knox S et al. 2004. Presentations of abdominal pain in Australian general practice. *Aust Fam Physician* 33(12):968-9.

Britt H, Pan Y, Miller GC, Valenti L, Charles J, Knox S et al. 2004. Presentations of 'itch' in Australian general practice. *Aust Fam Physician* 33(7):488.

Charles J, Harrison C, Britt H, Pan Y, Miller GC, Valenti L et al. 2004. General practitioners in teaching practices. *Aust Fam Physician* 33(9):682.

Britt H 2003. BEACH – Bettering the Evaluation And Care of Health: a continuous national study of general practice activity. *Commun Dis Intell* 27(3):391-3.

Britt H, Miller G 2003. General practice medical records (correspondence in reply). *Aust Fam Physician* 24:2250.

Britt H, Miller GC, Knox S, Charles J, Valenti L, Henderson J et al 2003. Bettering the Evaluation And Care of Health 2001-2002 (summary of results). *Aust Fam Physician* 32(1/2):59-63.

Britt H 1998. BEACH Bettering the Evaluation And Care of Health. *Fam Pract Wonca News* 24(4):vii-viii.



## **RELATED PUBLICATIONS IN REFEREED JOURNALS**

- Britt H, Angelis M, Harris E 1998. The reliability and validity of doctor-recorded morbidity data in active data collection systems. *Scand J Prim Health Care* 16:50-5.
- Britt H 1998. Reliability of central coding of patient reasons for encounter in general practice, using the International Classification of Primary Care. *Informatics (May)*3-7.
- Britt H 1997. A measure of the validity of the ICPC in the classification of reasons for encounter. *Informatics (November)*8-12.
- Britt H, Meza RA, Del Mar C 1996. Methodology of morbidity and treatment data collection in general practice in Australia: a comparison of two methods. *Fam Pract* 13(5):462-7.
- Meza RA, Angelis M, Britt H, Miles DA, Seneta E, Bridges-Webb C 1995. Development of sample size models for national general practice surveys. *Aust J Pub Health* 19(1):34-40.
- Britt H, Harris M, Driver B, Bridges-Webb C, O'Toole B, Neary S 1992. Reasons for encounter and diagnosed health problems: convergence between doctors and patients. *Fam Pract* 9:191-4.
- Bridges-Webb C, Britt H, Miles DA, Neary S, Charles J, Traynor V 1992. Morbidity and treatment in general practice in Australia 1990-1991. *Med J Aust* 157(19 Oct Spec Sup):S1-S56.
- Driver B, Britt H, O'Toole B, Harris M, Bridges-Webb C, Neary S 1991. How representative are patients in general practice morbidity surveys? *Fam Pract* 8:261-8.

## **PUBLISHED FULL LENGTH CONFERENCE PAPERS**

- Britt H, Pan Y, Henderson J, Miller GC 2002. The prevalence of cardiovascular disease in general practice in Australia. Presented at Health Outcomes 2002: Current Challenges and Future Frontiers; 17 Jul 2002, Canberra.
- Henderson J, Pan Y, Britt H 2002. Asthma management in general practice. Presented at Health Outcomes 2002: Current Challenges and Future Frontiers; 17 Jul 2002, Canberra.
- Britt H, Miller GC, Valenti L 2001. 'It's different in the bush': a comparison of general practice activity in metropolitan and rural areas of Australia 1998-2000. Presented at the 6th National Rural Health Conference; 7 Apr 2001, Canberra.

## **THESES AND TREATISES**

- O'Halloran J 2002. Aged patient encounters in the general practice setting. Bachelor of Applied Science, Health Information Management (Honours) thesis. Sydney: University of Sydney.
- Sutton C 2001. Male encounters with general practitioners in Australia 1999-00. Bachelor of Applied Science, Health Information Management (Honours) thesis. Sydney: University of Sydney.
- Charles J 1999. Changes in morbidity and its management between 1991 and 1997 in general practice in Victoria. Master of Science in Medicine thesis. Sydney: University of Sydney.
- Henderson J 1999. Influencing prescribing behaviour in general practice: a five year follow-up study. Bachelor of Applied Science, Health Information Management (Honours) thesis. Sydney: University of Sydney.
- Kelly Z 1999. Management of upper gastrointestinal problems for patients presenting to general practice in Australia 1998-99. Bachelor of Applied Science, Health Information Management (Honours) thesis. Sydney: University of Sydney.
- Sedgwick D 1998. The prescribing of antibiotics for upper respiratory infections in general practice and its relationship to socio-economic status. Master of Public Health thesis. Sydney: University of Sydney.

## **SAND ABSTRACTS ISSN 1444-9072**

AIHW Australian GP Statistics and Classification Centre 2005. Prevalence and indications for gabapentin use by patients attending general practice. Valenti L (ed). SAND abstracts from the BEACH program No. 81. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Employment status and workers compensation claims in general practice patients. Charles J (ed). SAND abstracts from the BEACH program No. 80. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Hypertension and dyslipidaemia – comorbidity and management in general practice patients. O'Halloran J (ed). SAND abstracts from the BEACH program No. 79. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. NSAID & acid suppressant use in general practice patients. Miller G (ed). SAND abstracts from the BEACH program No. 78. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Heart failure – underlying causes and medication management. Bayram C (ed). SAND abstracts from the BEACH program No. 77. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Patients with risk factors for metabolic syndrome. Britt H (ed). SAND abstracts from the BEACH program No. 76. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Prevalence, management and investigations for chronic heart failure. Pan Y (ed). SAND abstracts from the BEACH program No. 75. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Smoking and passive smoking in the home. Valenti L (ed). SAND abstracts from the BEACH program No. 74. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Warfarin use in patients with qualifying morbidity. Pan Y (ed). SAND abstracts from the BEACH program No. 73. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Contraceptive use among female general practice patients aged 16–24 years. Bayram C (ed). SAND abstracts from the BEACH program No. 72. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Patient BMI, morbidity and medication use in adults. Ng A (ed). SAND abstracts from the BEACH program No. 71. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Inhaled corticosteroid use for asthma management. Miller G (ed). SAND abstracts from the BEACH program No. 70. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Patient weight, methods and medications tried for weight loss in adults. Henderson J (ed). SAND abstracts from the BEACH program No. 69. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Patient weight, perception of weight and weight loss in adults. Charles J (ed). SAND abstracts from the BEACH program No 68. <http://pandora.nla.gov.au/tep/14007>.

AIHW Australian GP Statistics and Classification Centre 2005. Risk factors of patients on lipid-lowering medications. Knox S (ed). SAND abstracts from the BEACH program No. 67. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Anti-psychotic medication use by general practice patients. Britt H (ed). SAND abstracts from the BEACH program No. 66. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Language and cultural background of general practice patients. Knox S (ed). SAND abstracts from the BEACH program No. 65. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Current use of statins by general practice patients. Pan Y (ed). SAND abstracts from the BEACH program No. 64. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Asthma-prevalence, management and medication side-effects. Henderson J (ed). SAND abstracts from the BEACH program No. 63. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Use of proton pump inhibitors by general practice patients. Ng A (ed). SAND abstracts from the BEACH program No. 62. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Prevalence of chronic illnesses identified as National Health Priority Areas among general practice patients. Knox S (ed). SAND abstracts from the BEACH program No. 61. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Prevalence of GORD and associated proton pump inhibitor use. O'Halloran J (ed). SAND abstracts from the BEACH program No. 60. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Hypertension management and control in general practice patients. Pan Y (ed). SAND abstracts from the BEACH program No. 59. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Lipid lowering medications: patient eligibility under PBS. Miller G (ed). SAND abstracts from the BEACH program No. 58. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Prevalence and management of chronic heart failure in general practice patients. Bayram C (ed). SAND abstracts from the BEACH program No. 57. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Prevalence, cause and severity of adverse pharmacological events. Valenti L (ed). SAND abstracts from the BEACH program No. 56. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2004. Patient weight, perception of weight and weight loss. Charles J (ed). SAND abstracts from the BEACH program No.55. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Secondary prevention of heart attack or stroke. Harrison C (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 54. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Smoking status of adults and their attempts to quit. Valenti L (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 53. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Language and cultural background of patients. Knox S (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 52. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Use of proton pump inhibitors for gastrointestinal problems. Miller G (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 51. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Risk factors of patients on lipid lowering medications. Britt H (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 50. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Health status and management of patients on non-steroidal anti-inflammatory drugs. Knox S (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 49. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Asthma prevalence and management. Bayram C (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 48. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Management of depression and anxiety. Harrison C (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 47. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Coronary heart disease, risk factors and lipid lowering medication. Charles J (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 46. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Diabetes mellitus prevalence, management and risk factors. Charles J (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 45. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Severity of illness. Miller G (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 44. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Initiation and purpose of pathology orders. Pan Y (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 43. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Prevalence and management of chronic pain. Henderson J (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 42. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Time of visit and billing status. Valenti L (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 41. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Type 2 diabetes mellitus, prevalence and management. Henderson J (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 40. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Severity of asthma, medications and management. Bayram C (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 39. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. Prevalence of chronic heart failure, its management and control. Pan Y (ed). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 38. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2003. SAND Method: 2002-03. Sydney: University of Sydney, SAND abstracts from the BEACH program. <http://www.fmrc.org.au/Beach/Abstracts/SANDmethod-2003.pdf>.

AIHW GP Statistics and Classification Unit 2002. Prevalence of common morbidities in patients encountered in general practice. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 37. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Patient use of complimentary therapies. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 36. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Smoking status of adults and their attempts to quit. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 35. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Gastro-oesophageal reflux disease (GOED). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 34. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence and management of cardiovascular risk factors. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 33. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Patient use of after-hours medical services. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 32. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence and severity of chronic heart failure. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 31. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Lipid lowering medications and coronary heart disease. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 30. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Non-steroidal anti-inflammatory drugs (NSAIDs) and acid suppressant use. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 29. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence of Alzheimer's disease and dementia. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 28. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence and management of influenza. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 27. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence of diagnosed hypertension and difficulties in treatment. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 26. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2002. Prevalence of diabetes, medications and control. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 25. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Gastro-oesophageal reflux disease (GORD) in general practice patients. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 24. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Depression. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 23. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Asthma – prevalence, severity and management. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 22. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Diabetes – prevalence, management and screening. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 21. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Screening and management of blood cholesterol. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 20. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Osteoporosis. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 19. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Drugs for the treatment of peptic ulcer and reflux. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 18. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Private prescription products. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 17. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Effect of day and time of GP visit on billing method. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 16. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Lipid lowering medication. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 15. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2001. Co-medications. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 14. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Perceived stress. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 13. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Smoking and passive smoking in general practice patients. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 12. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Patient employment status and occupation. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 11. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Length of consultation; after-hours arrangements; co-morbidity. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 10. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Influenza and absenteeism. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 9. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Hormone replacement therapy (HRT). Sydney: University of Sydney, SAND abstracts from the BEACH program No. 8. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Health services utilisation, lifestyle status and chronicity. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 7. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Employment status and workers' compensation claims. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 6. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Depression. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 5. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Cardiovascular disease. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 4. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Asthma. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 3. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Anxiety/stress, consultation time, level of education. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 2. <http://pandora.nla.gov.au/tep/14007>.

AIHW GP Statistics and Classification Unit 2000. Allergic rhinitis. Sydney: University of Sydney, SAND abstracts from the BEACH program No. 1. <http://pandora.nla.gov.au/tep/14007>.

#### **ARTICLES IN NON-REFEREED JOURNALS AND OTHER PUBLICATIONS**

AIHW Australian GP Statistics and Classification Centre 2006. Over the counter medications advised by GPs. Charles J (ed). GP Review 10(3):10.

Miller G, Britt H, Knox S, Charles J 2006. Inhaled corticosteroids and management of asthma. GP Review 10(2):10.

AIHW Australian GP Statistics and Classification Centre 2006. Injury management in general practice. Charles J (ed). GP Review 10(1):13.

AIHW Australian GP Statistics and Classification Centre 2005. Locality matters: the influence of geography on general practice in Australia 1998–2004. GP Review 9(5):8.

AIHW Australian GP Statistics and Classification Centre 2005. Alcohol consumption among general practice patients. Charles J (ed). GP Review 9(4).

AIHW Australian GP Statistics and Classification Centre 2005. Changing face of the general practice workforce. Charles J (ed). GP Review 9(3).

AIHW Australian GP Statistics and Classification Centre 2005. Non-pharmacological treatments provided by GPs. GP Review 9(2).

AIHW GP Statistics and Classification Unit 2005. General practice activity in Australia's states and territories. Charles J (ed). GP Review 9(1).

AIHW GP Statistics and Classification Unit 2004. Childhood illness and treatment over three decades. Charles J (ed). GP Review 8(Sept).

AIHW GP Statistics and Classification Unit 2004. Indigenous Australians at general practice encounters. Charles J (ed). GP Review 8(July).

AIHW GP Statistics and Classification Unit 2004. Decrease in prescribing rates – 5 years of BEACH. Charles J (ed). GP Review 8(May).

AIHW GP Statistics and Classification Unit 2004. Changes over time: management of depression in general practice. Charles J (ed). GP Review 8(Mar).

AIHW GP Statistics and Classification Unit 2003. Changes over time – patient health risk factors. Charles J (ed). GP Review 7(Nov).

AIHW GP Statistics and Classification Unit 2003. Changes over time – NSAID use in general practice. Charles J (ed). GP Review 7(Aug).

AIHW GP Statistics and Classification Unit 2002. Gender of the general practitioner. Charles J (ed). GP Review 6(Nov).

Britt H 2002. The BEACH Program. Gpifonet 6(6):8.

Britt H 2002. BEACH – Bettering the Evaluation And Care of Health. National Networks (32).

Britt H 2002. The International Classification of Primary Care (ICPC-2 and ICPC-2 Plus). Coding Matters 9(June):3.

AIHW GP Statistics and Classification Unit 2002. Measurement of body mass in children attending general practice. Charles J (ed). GP Review 6(June).

AIHW GP Statistics and Classification Unit 2002. Counselling general practice patients. Charles J (ed). GP Review 6(May).

AIHW GP Statistics and Classification Unit 2002. Referrals. Charles J (ed). GP Review 6(April).

AIHW GP Statistics and Classification Unit 2001. Smoking and passive smoking in general practice patients. Charles J (ed). GP Review 5(Dec).

AIHW GP Statistics and Classification Unit 2001. Severity of illness in general practice patients. Charles J (ed). GP Review 5(Oct).

AIHW GP Statistics and Classification Unit 2001. Weighty matters: body mass in general practice patients. Henderson J (ed). GP Review 5(Sept).

AIHW GP Statistics and Classification Unit 2001. Influenza vaccination in general practice patients. Charles J (ed). GP Review 5(Aug).

GP Statistics and Classification Unit 2001. Measures of health and health care delivery in Australia. AIHW Access (July).

AIHW GP Statistics and Classification Unit 2001. Employment status and occupation of general practice patients. Charles J (ed). GP Review 5(July).

AIHW GP Statistics and Classification Unit 2001. Weakness and tiredness as a reason for encounter in general practice. Miller GC (ed). GP Review 5(May).

AIHW GP Statistics and Classification Unit 2001. Anxiety and stress in patients presenting to GPs in Australia. Britt H (ed). GP Review 5(April).

Britt H 1999. General practice activity in Australia 1998-1999. NSW Public Health Bulletin 10(12):167-9.



## **Appendix 4: Summary of annual results 2001–02 to 2005–06**

Table A4.1: GP characteristics, summary of annual results BEACH 2001-02 to 2005-06

GP characteristic	2001-02		2002-03		2003-04		2004-05		2005-06	
	n <sup>(a)</sup>	Per cent of GPs (n=983)	n <sup>(a)</sup>	Per cent of GPs (n=1,008)	n <sup>(a)</sup>	Per cent of GPs (n=1,000)	n <sup>(a)</sup>	Per cent of GPs (n=953)	n <sup>(a)</sup>	Per cent of GPs (n=1,017)
Sex (missing)	(0)	—	(0)	—	(0)	—	(0)	—	(0)	—
Male	631	64.2	653	64.8	673	67.3	647	67.9	639	62.8
Female	352	35.8	355	35.2	327	32.7	306	32.1	378	37.2
Age (missing)	(1)	—	(0)	—	(1)	—	(1)	—	(18)	—
<35 years	70	7.1	74	7.3	58	5.8	86	8.9	47	4.7
35-44 years	263	26.8	268	26.6	249	24.9	243	25.5	223	22.3
45-54 years	359	36.5	355	35.2	365	36.5	303	31.8	342	34.2
55+ years	290	29.5	311	30.9	327	32.7	320	33.6	387	38.7
Years in general practice (missing)	(4)	—	(6)	—	(9)	—	(5)	—	(13)	—
<2 years	3	0.3	6	0.6	13	1.3	4	0.4	6	0.6
2-5 years	71	7.2	75	7.5	53	5.3	98	10.3	49	4.9
6-10 years	132	13.4	135	13.5	106	10.7	119	12.6	121	12.1
11-19 years	279	28.4	281	28.0	278	28.1	241	25.4	241	24.0
20+ years	494	50.3	505	50.4	541	54.6	486	51.3	587	58.5
Sessions per week (missing)	(15)	—	(8)	—	(7)	—	(8)	—	(6)	—
<6 per week	157	16.0	187	18.7	171	17.2	136	14.4	175	17.3
6-10 per week	666	67.8	679	67.9	687	68.2	701	71.2	715	70.7
11+ per week	145	14.8	134	13.4	135	13.6	108	11.4	121	12.0
Size of practice (missing)	(4)	—	(8)	—	(10)	—	(6)	—	(9)	—
Solo	150	15.3	137	13.7	105	10.6	116	12.2	132	13.1
2-4 GPs	390	39.7	384	38.4	374	37.8	345	36.4	355	35.2
5+ GPs	439	44.7	479	47.9	511	51.6	486	51.3	521	51.7

(continued)

Table A4.1 (continued): GP characteristics, summary of annual results BEACH 2001–02 to 2005–06

GP characteristic	2001–02		2002–03		2003–04		2004–05		2005–06	
	n <sup>(a)</sup>	Per cent of GPs (n=983)	n <sup>(a)</sup>	Per cent of GPs (n=1,008)	n <sup>(a)</sup>	Per cent of GPs (n=1,000)	n <sup>(a)</sup>	Per cent of GPs (n=953)	n <sup>(a)</sup>	Per cent of GPs (n=1,017)
Place of graduation (missing)	(0)	—	(0)	—	(1)	—	(1)	—	(6)	—
Australia	748	76.1	726	72.6	735	73.5	665	69.8	728	72.0
United Kingdom	75	7.6	92	9.1	72	7.2	72	7.6	82	8.1
Asia	85	8.6	100	9.9	95	9.5	104	10.9	110	10.9
Europe	18	1.8	16	1.6	23	2.3	36	3.8	21	2.1
Africa	36	3.7	43	4.3	54	5.4	51	5.4	45	4.5
New Zealand	5	0.5	22	2.2	10	1.0	12	1.3	19	1.9
Other	16	1.6	9	0.9	10	1.0	12	1.3	6	0.6
Practice location (missing)	(1)	—	(0)	—	(2)	—	(1)	—	(1)	—
Capital	681	69.3	652	64.7	623	62.4	618	64.9	702	69.1
Other metropolitan	80	8.1	86	8.5	64	6.4	64	6.7	69	6.8
Large rural	58	5.9	51	5.1	70	7.0	51	5.4	58	5.7
Small rural	48	4.9	78	7.7	70	7.0	66	6.9	61	6.0
Other rural	103	10.5	121	12.0	142	14.2	124	13.0	113	11.1
Remote central	4	0.5	6	0.6	9	0.9	12	1.3	5	0.5
Other remote, offshore	8	0.8	14	1.4	20	2.0	17	1.8	8	0.8
Consultations in Languages other than English (missing)*	—	—	—	—	(6)	—	(1)	—	(10)	—
<25%	NAV	NAV	NAV	NAV	177	17.8	207	21.7	211	21.0
25–50%	NAV	NAV	NAV	NAV	29	2.9	23	2.4	36	3.6
>50%	NAV	NAV	NAV	NAV	24	2.4	32	3.4	34	3.4

(continued)

Table A4.1 (continued): GP characteristics, summary of annual results BEACH 2001–02 to 2005–06

GP characteristic	2001–02		2002–03		2003–04		2004–05		2005–06	
	<i>n</i> <sup>(a)</sup>	Per cent of GPs ( <i>n</i> =983)	<i>n</i> <sup>(a)</sup>	Per cent of GPs ( <i>n</i> =1,008)	<i>n</i> <sup>(a)</sup>	Per cent of GPs ( <i>n</i> =1,000)	<i>n</i> <sup>(a)</sup>	Per cent of GPs ( <i>n</i> =953)	<i>n</i> <sup>(a)</sup>	Per cent of GPs ( <i>n</i> =1,017)
Currently in a general practice vocational training program	25	2.5	28	2.9	43	4.4	33	3.5	26	2.6
Completed training program	375	38.1	377	39.5	NAV	NAV	NAV	NAV	NAV	NAV
Fellow of RACGP	345	35.1	355	35.5	332	33.5	399	42.3	408	40.7
Own or cooperative after-hours arrangements	550	56.0	551	55.2	593	59.6	492	52.1	475	47.4
Computer use at practice	883	89.7	920	91.3	950	95.0	880	93.7	962	96.4

(a) Missing data removed.

\* Data for all three groupings only available from 2003–04.

Note: NAV—not available; RACGP—Royal Australian College of General Practitioners.

**Table A4.2: Summary of morbidity and management, summary of annual results BEACH 2001–02 to 2005–06**

Variable	2001–02	2002–03	2003–04	2004–05	2005–06
	Rate per 100 encounters (95% CI) (n=96,973)	Rate per 100 encounters (95% CI) (n=100,987)	Rate per 100 encounters (95% CI) (n=98,877)	Rate per 100 encounters (95% CI) (n=94,386)	Rate per 100 encounters (95% CI) (n=101,993)
Reasons for encounter	149.2 (147.4–150.9)	150.9 (149.0–152.7)	150.2 (148.4–152.0)	149.6 (147.8–151.5)	150.3 (148.4–152.2)
Problems managed	143.4 (141.7–145.2)	144.9 (143.0–146.8)	146.3 (144.4–148.2)	145.5 (143.6–147.4)	146.2 (144.2–148.2)
New problems	55.1 (53.8–56.5)	57.0 (55.6–58.3)	55.9 (54.5–57.3)	55.2 (53.8–56.5)	56.9 (55.5–58.2)
Chronic problems	48.4 (46.9–49.9)	48.2 (46.5–49.8)	50.8 (49.0–52.5)	50.8 (49.1–52.5)	50.9 (49.1–52.8)
Work-related	3.0 (2.7–3.2)	NAV	NAV	3.1 (2.8–3.5)	2.8 (2.6–3.1)
Medications	104.5 (102.2–106.9)	103.8 (101.4–106.2)	104.4 (102.1–106.7)	101.5 (99.3–103.8)	104.4 (101.8–107.0)
Prescribed	88.0 (85.6–90.4)	84.3 (81.8–86.9)	86.0 (83.6–88.5)	83.4 (81.2–85.5)	85.8 (83.3–88.4)
GP-supplied	7.6 (6.3–9.0)	9.3 (7.6–11.0)	8.6 (7.4–9.8)	8.1 (7.3–8.9)	8.8 (8.2–9.5)
Advised OTC	8.9 (8.1–9.6)	10.2 (9.2–11.1)	9.8 (9.0–10.6)	10.1 (9.1–11.0)	9.8 (9.0–10.5)
Non-pharmacological treatments	51.9 (49.6–54.2)	51.8 (49.3–54.3)	51.4 (48.9–53.8)	54.7 (52.1–57.3)	43.6 (41.5–45.8)
Clinical	38.1 (36.1–40.1)	37.2 (35.0–39.4)	36.6 (34.5–38.8)	39.2 (37.1–41.4)	29.2 (27.3–31.1)
Procedural	13.8 (13.1–14.5)	14.6 (13.9–15.3)	14.7 (14.0–15.5)	15.5 (14.6–16.4)	14.4 (13.7–15.1)
Referrals	10.5 (10.1–10.9)	11.1 (10.7–11.6)	11.6 (11.1–12.1)	11.5 (11.1–12.0)	12.0 (11.5–12.5)
Specialist	7.3 (7.0–7.6)	7.7 (7.3–8.0)	7.9 (7.5–8.2)	7.7 (7.4–8.0)	8.2 (7.8–8.5)
Allied health services	2.6 (2.3–2.9)	2.5 (2.3–2.8)	2.6 (2.4–2.9)	2.7 (2.5–2.9)	2.9 (2.7–3.1)
Hospital	0.4 (0.3–0.6)	0.6 (0.3–0.8)	0.6 (0.3–0.8)	0.5 (0.3–0.7)	0.4 (0.3–0.4)
Emergency department	0.1 (0.0–0.4)	0.1 (0.0–0.4)	0.2 (0.0–0.5)	0.2 (0.0–0.4)	0.2 (0.2–0.2)
Other referrals	0.3 (0.0–0.6)	0.3 (0.0–0.5)	0.3 (0.0–0.6)	0.3 (0.1–0.6)	0.3 (0.3–0.4)
Pathology	31.0 (29.7–32.4)	32.9 (31.5–34.4)	35.2 (33.7–36.7)	36.7 (35.2–38.2)	38.6 (36.9–40.3)
Imaging	7.9 (7.6–8.2)	8.6 (8.2–9.0)	8.2 (7.8–8.6)	8.3 (8.0–8.6)	8.8 (8.4–9.2)
Other investigations	0.9 (0.8–1.0)	1.0 (0.8–1.2)	1.0 (0.9–1.2)	1.1 (0.9–1.3)	1.0 (0.9–1.1)

Note: CI—confidence interval; NAV—not available; OTC—over-the-counter.

**Table A4.3: Type of encounter, summary of annual results BEACH 2001–02 to 2005–06**

Variable	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=96,973)	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=100,987)	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=100,987)	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=98,877)	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=94,386)	Rate per 100 encounters (95% CI) <sup>(a)</sup> (n=101,993)				
Direct encounters	97.7 (97.4–98.0)	98.4 (98.2–98.6)	97.0 (96.6–97.3)	97.4 (97.1–97.7)	97.8 (97.5–98.1)					
No charge	0.6 (0.2–1.1)	0.5 (0.2–0.8)	0.5 (0.3–0.7)	0.5 (0.2–0.9)	0.5 (0.4–0.5)					
Medicare-claimable <sup>(b)</sup>	93.9 (93.5–94.4)	95.0 (94.6–95.3)	93.8 (93.3–94.2)	93.7 (93.3–94.2)	94.0 (93.4–94.6)					
Short surgery consultations	1.0 (0.5–1.6)	1.1 (0.6–1.7)	1.1 (0.4–1.7)	1.0 (0.3–1.6)	0.9 (0.8–1.1)					
Standard surgery consultations	79.0 (78.0–79.9)	78.7 (77.6–79.7)	77.3 (76.2–78.4)	77.2 (76.0–78.2)	78.7 (77.5–79.8)					
Long surgery consultations	8.1 (7.5–8.7)	9.1 (8.5–9.7)	9.2 (8.5–9.8)	9.9 (9.2–10.6)	9.2 (8.6–9.9)					
Prolonged surgery consultations	0.6 (0.0–1.2)	0.7 (0.0–1.5)	0.7 (0.0–1.4)	0.7 (0.1–1.3)	0.6 (0.5–0.7)					
Home visits	1.5 (0.8–2.2)	1.3 (0.4–2.1)	1.3 (0.1–2.5)	0.9 (0.2–1.6)	1.1 (0.9–1.4)					
Hospital	0.2 (0.0–1.4)	0.4 (0.0–2.7)	0.3 (0.0–1.7)	0.2 (0.0–2.0)	0.2 (0.1–0.3)					
Residential aged care facility	0.9 (0.0–2.4)	1.2 (0.0–2.9)	1.1 (0.0–2.3)	1.1 (0.0–3.2)	1.2 (0.9–1.5)					
Case conference	0.0 <sup>†</sup> (0.0–2.3)	0.0 <sup>†</sup> (0.0–1.4)	0.0 <sup>†</sup> (0.0–1.2)	0.0 <sup>†</sup> (0.0–1.4)	0.0 <sup>†</sup> (0.0–0.0)					
Care plans	0.1 (0.0–1.7)	0.1 (0.0–1.0)	0.1 (0.0–1.3)	0.2 (0.0–0.9)	0.3 (0.2–0.3)					
Health assessments	0.1 (0.0–0.7)	0.1 (0.0–0.6)	0.1 (0.0–0.7)	0.2 (0.0–0.7)	0.2 (0.1–0.2)					
Other items	2.4 (1.4–3.5)	2.3 (1.1–3.5)	2.6 (1.3–4.0)	2.4 (0.6–4.2)	1.5 (1.3–1.7)					
Workers' compensation	2.0 (1.8–2.3)	1.9 (1.6–2.2)	2.0 (1.8–2.3)	2.5 (2.1–2.8)	2.3 (2.1–2.5)					
Other paid (hospital, state, etc.)	1.1 (0.2–2.0)	1.0 (0.2–1.8)	0.6 (0.0–1.4)	0.7 (0.1–1.3)	1.1 (0.6–1.5)					
Indirect encounters	2.3 (1.8–2.8)	1.6 (1.2–2.0)	3.1 (2.5–3.6)	2.6 (2.1–3.1)	2.2 (1.9–2.5)					

(a) Missing data removed.

(b) Includes encounters that were recorded as claimable through the Australian Department of Veterans' Affairs.

† Rates are reported to one decimal place. This indicates that the rate is <0.05 per 100 encounters.

Note: CI—confidence interval.

Table A4.4: Characteristics of the patients at encounters, summary of annual results BEACH 2001-02 to 2005-06

Patient variable	2001-02	2002-03	2003-04	2004-05	2005-06
	Per cent of encounters (95% CI) (n=96,973)	Per cent of encounters (95% CI) (n=100,987)	Per cent of encounters (95% CI) (n=98,877)	Per cent of encounters (95% CI) (n=94,386)	Per cent of encounters (95% CI) (n=101,993)
<b>Sex</b>					
Male	42.6 (41.9-43.3)	42.2 (41.4-42.9)	42.6 (41.8-43.3)	43.5 (42.7-44.3)	44.0 (43.2-44.7)
Female	57.4 (56.7-58.1)	57.8 (57.0-58.6)	57.4 (56.7-58.2)	56.5 (55.7-57.3)	56.0 (55.3-56.8)
<b>Age group</b>					
<1 year	2.0 (1.8-2.1)	1.9 (1.8-2.1)	1.8 (1.6-2.0)	1.9 (1.7-2.1)	2.1 (1.9-2.2)
1-4 years	4.9 (4.6-5.2)	5.0 (4.7-5.3)	4.6 (4.3-4.8)	4.3 (4.0-4.7)	4.3 (4.0-4.5)
5-14 years	6.4 (6.1-6.7)	6.6 (6.3-6.9)	5.9 (5.6-6.3)	5.8 (5.5-6.1)	6.0 (5.7-6.3)
15-24 years	9.5 (9.1-10.0)	10.1 (9.7-10.4)	9.6 (9.2-10.1)	9.0 (8.6-9.4)	9.4 (9.0-9.8)
25-44 years	25.8 (25.1-26.5)	25.7 (24.9-26.4)	24.1 (23.4-24.8)	24.4 (23.7-25.1)	23.9 (23.2-24.7)
45-64 years	26.3 (25.7-26.8)	26.5 (25.9-27.0)	27.2 (26.7-27.7)	28.0 (27.4-28.6)	27.6 (27.0-28.2)
65-74 years	12.3 (11.8-12.8)	11.6 (11.1-12.0)	12.4 (11.9-12.9)	12.6 (12.1-13.2)	12.2 (11.7-12.6)
75+ years	12.8 (12.0-13.5)	12.7 (11.9-13.4)	14.4 (13.6-15.2)	13.9 (13.1-14.7)	14.6 (13.7-15.4)
<b>Other characteristics</b>					
New patient to practice	9.2 (8.5-9.9)	9.9 (9.0-10.8)	9.3 (8.5-10.0)	9.1 (8.3-9.9)	9.1 (8.3-9.9)
Commonwealth concession card	41.9 (40.4-43.3)	40.4 (38.8-41.9)	42.5 (41.0-44.0)	43.2 (41.8-44.7)	42.1 (40.6-43.7)
Repatriation health card	3.3 (3.0-3.6)	3.3 (3.0-3.6)	3.5 (3.2-3.8)	3.2 (2.8-3.5)	3.1 (2.8-3.3)
Non-English-speaking background	9.3 (5.9-12.7)	10.6 (7.8-13.4)	9.7 (5.8-13.6)	10.8 (7.2-14.4)	9.8 (8.2-11.4)
Aboriginal person	0.9 (0.0-2.0)	0.8 (0.0-1.7)	1.4 (0.0-2.9)	1.1 (0.0-3.0)	0.7 (0.5-0.9)
Torres Strait Islander	0.1 (0.0-0.5)	0.1 (0.0-0.9)	0.2 (0.0-1.0)	0.2 (0.0-1.8)	0.1 (0.0-0.3)

Note: CI—confidence interval.

**Table A4.5: Rate of patient reasons for encounter by ICP-C-2 chapter, summary of annual results BEACH 2001-02 to 2005-06**

Reasons for encounter	2001-02	2002-03	2003-04	2004-05	2005-06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
General & unspecified	30.9 (29.9-31.8)	34.6 (33.6-35.6)	36.2 (35.2-37.2)	36.5 (35.5-37.6)	36.3 (35.2-37.4)
Respiratory	23.4 (22.6-24.2)	23.0 (22.0-24.0)	21.4 (20.6-22.2)	20.6 (19.8-21.4)	21.9 (21.1-22.7)
Musculoskeletal	16.7 (16.1-17.3)	17.7 (17.2-18.3)	16.3 (15.7-16.9)	16.7 (16.0-17.3)	16.4 (15.8-16.9)
Skin	14.4 (13.9-14.9)	14.7 (14.3-15.2)	15.1 (14.5-15.7)	15.6 (15.0-16.2)	15.0 (14.5-15.6)
Circulatory	11.4 (10.8-11.9)	10.6 (10.0-11.1)	10.7 (10.1-11.2)	10.5 (10.0-11.0)	10.8 (10.2-11.3)
Digestive	10.6 (10.2-11.0)	10.4 (10.0-10.8)	10.7 (10.3-11.2)	9.9 (9.5-10.3)	9.9 (9.5-10.3)
Psychological	7.8 (7.3-8.3)	7.3 (6.9-7.8)	7.3 (6.9-7.7)	7.6 (7.2-8.0)	7.8 (7.3-8.3)
Endocrine & metabolic	6.4 (6.1-6.7)	6.0 (5.7-6.3)	6.2 (5.8-6.5)	6.2 (5.8-6.5)	6.2 (5.8-6.5)
Female genital system	5.5 (5.1-5.9)	6.1 (5.7-6.6)	5.1 (4.8-5.5)	5.0 (4.6-5.4)	5.1 (4.8-5.5)
Neurological	5.4 (5.2-5.6)	5.7 (5.5-6.0)	5.3 (5.1-5.6)	5.1 (4.9-5.4)	4.9 (4.7-5.2)
Ear	4.2 (4.0-4.4)	4.0 (3.8-4.1)	3.7 (3.6-3.9)	3.9 (3.7-4.1)	3.9 (3.7-4.1)
Pregnancy & family planning	3.5 (3.2-3.8)	3.6 (3.3-3.9)	3.7 (3.4-4.0)	3.4 (3.1-3.7)	3.4 (3.1-3.6)
Eye	2.5 (2.4-2.7)	2.7 (2.6-2.9)	2.7 (2.6-2.9)	2.7 (2.6-2.9)	2.8 (2.6-2.9)
Urology	2.5 (2.4-2.7)	2.5 (2.3-2.6)	2.5 (2.4-2.7)	2.5 (2.4-2.7)	2.6 (2.5-2.8)
Blood	1.1 (0.9-1.2)	1.0 (0.8-1.2)	1.3 (1.1-1.4)	1.2 (1.0-1.5)	1.2 (1.0-1.3)
Male genital system	1.0 (0.9-1.1)	1.0 (0.9-1.2)	1.1 (0.9-1.2)	1.2 (1.1-1.4)	1.3 (1.2-1.4)
Social problems	1.0 (0.8-1.1)	1.0 (0.8-1.2)	0.9 (0.8-1.1)	1.0 (0.8-1.1)	0.9 (0.8-1.0)
<b>Total RFEs</b>	<b>149.2 (147.4-150.9)</b>	<b>150.9 (149.0-152.7)</b>	<b>150.2 (148.4-152.0)</b>	<b>149.6 (147.8-151.5)</b>	<b>150.3 (148.4-152.2)</b>

(a) Figures do not total 100 as more than one RFE can be recorded for each encounter.

Note: CI—confidence interval; RFE—reason for encounter.



**Table A4.6: Rate of RFEs by ICPC-2 component, summary of annual results BEACH 2001-02 to 2005-06**

	2001-02	2002-03	2003-04	2004-05	2005-06
<b>ICPC-2 component</b>	<b>Rate per 100 encounters<sup>(a)</sup> (95% CI) (n=96,973)</b>	<b>Rate per 100 encounters<sup>(a)</sup> (95% CI) (n=100,987)</b>	<b>Rate per 100 encounters<sup>(a)</sup> (95% CI) (n=98,877)</b>	<b>Rate per 100 encounters<sup>(a)</sup> (95% CI) (n=94,386)</b>	<b>Rate per 100 encounters<sup>(a)</sup> (95% CI) (n=101,993)</b>
Symptoms & complaints	74.1 (72.3-75.9)	74.0 (72.0-76.1)	71.7 (69.8-73.5)	71.3 (69.4-73.2)	69.7 (67.9-71.5)
Diagnosis, diseases	27.3 (25.9-28.7)	26.0 (24.6-27.4)	25.1 (23.9-26.4)	24.5 (23.3-25.7)	26.8 (25.4-28.2)
Diagnostic & preventive procedures	22.7 (21.7-23.6)	23.8 (22.8-24.7)	24.0 (23.1-25.0)	23.4 (22.5-24.3)	24.4 (23.4-25.3)
Medications, treatments & therapeutics	11.9 (11.3-12.4)	13.0 (12.4-13.6)	14.4 (13.7-15.1)	14.5 (13.8-15.3)	14.4 (13.7-15.1)
Referral & other RFE	7.2 (6.7-7.7)	7.0 (6.6-7.5)	7.2 (6.8-7.6)	7.4 (6.9-7.9)	6.9 (6.5-7.4)
Results	4.7 (4.4-5.1)	5.4 (5.0-5.7)	6.0 (5.6-6.4)	6.8 (6.4-7.2)	6.5 (6.1-6.9)
Administrative	1.3 (1.1-1.5)	1.6 (1.4-1.8)	1.8 (1.6-1.9)	1.7 (1.5-1.8)	1.7 (1.5-1.8)
<b>Total RFEs</b>	<b>149.2 (147.4-150.9)</b>	<b>150.9 (149.0-152.7)</b>	<b>150.2 (148.4-152.0)</b>	<b>149.6 (147.8-151.5)</b>	<b>150.3 (148.4-152.2)</b>

(a) Figures do not total 100 as more than one RFE can be recorded for each encounter.

Note: CI—confidence interval; RFE—reason for encounter.

Table A4.7: Distribution of problems managed, summary of annual results BEACH 2001–02 to 2005–06

Problem managed	2001–02	2002–03	2003–04	2004–05	2005–06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Respiratory	21.4 (20.7–22.0)	20.6 (20.0–21.3)	20.1 (19.5–20.7)	19.2 (18.6–19.9)	20.6 (19.9–21.3)
Musculoskeletal	17.5 (17.0–18.0)	17.1 (16.5–17.6)	17.1 (16.6–17.6)	17.7 (17.1–18.3)	17.2 (16.7–17.7)
Cardiovascular	16.1 (15.5–16.8)	16.0 (15.3–16.7)	16.8 (16.1–17.5)	16.2 (15.5–16.9)	16.6 (16.1–17.7)
Skin	16.1 (15.6–16.6)	16.5 (16.0–17.0)	16.9 (16.2–17.6)	17.2 (16.6–17.9)	16.6 (16.1–17.2)
General & unspecified	14.7 (14.0–15.5)	15.8 (15.2–16.3)	15.0 (14.5–15.5)	15.1 (14.5–15.7)	15.1 (14.5–15.7)
Endocrine & metabolic	10.4 (10.0–10.9)	10.6 (10.2–11.0)	11.3 (10.8–11.8)	11.8 (11.2–12.3)	11.6 (11.0–12.1)
Psychological	10.6 (10.1–11.2)	10.3 (9.8–10.8)	10.8 (10.3–11.4)	11.4 (10.8–12.0)	11.1 (10.5–11.7)
Digestive	9.9 (9.6–10.2)	10.1 (9.8–10.4)	10.5 (10.2–10.8)	9.9 (9.6–10.2)	10.1 (9.8–10.4)
Female genital system	6.1 (5.8–6.5)	6.7 (6.2–7.1)	5.9 (5.5–6.3)	5.7 (5.3–6.1)	5.8 (5.4–6.2)
Ear	4.2 (4.0–4.4)	4.0 (3.8–4.2)	4.0 (3.8–4.1)	4.1 (3.9–4.2)	4.0 (3.8–4.1)
Pregnancy & family planning	4.0 (3.7–4.3)	4.2 (3.8–4.5)	4.2 (3.9–4.5)	3.8 (3.5–4.1)	3.8 (3.6–4.1)
Neurological	3.7 (3.5–3.9)	4.2 (4.0–4.4)	3.9 (3.8–4.1)	3.6 (3.5–3.8)	3.6 (3.4–3.8)
Urology	2.8 (2.7–3.0)	2.8 (2.7–3.0)	3.0 (2.9–3.2)	3.0 (2.9–3.2)	3.1 (2.9–3.2)
Eye	2.5 (2.4–2.6)	2.6 (2.5–2.7)	2.7 (2.6–2.9)	2.7 (2.5–2.9)	2.8 (2.6–2.9)
Male genital system	1.3 (1.1–1.4)	1.4 (1.3–1.6)	1.6 (1.4–1.7)	1.8 (1.6–1.9)	1.9 (1.7–2.0)
Blood	1.3 (1.2–1.4)	1.4 (1.2–1.5)	1.7 (1.5–1.8)	1.6 (1.4–1.8)	1.5 (1.4–1.6)
Social problems	0.7 (0.5–0.9)	0.7 (0.5–0.9)	0.8 (1.6–1.0)	0.8 (0.6–1.0)	0.6 (0.5–0.7)
<b>Total problems</b>	<b>143.4 (141.7–145.2)</b>	<b>144.9 (143.0–146.8)</b>	<b>146.3 (144.4–148.2)</b>	<b>145.5 (143.6–147.7)</b>	<b>146.2 (144.2–148.2)</b>

(a) Figures do not total 100 as more than one problem can be managed at each encounter.

Note: CI—confidence interval.

Table A4.8: Most frequently managed problems, summary of annual results BEACH 2001–02 to 2005–06

Problem managed	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)				
Hypertension*	9.0 (8.6–9.5)	8.9 (8.4–9.3)	9.2 (8.7–9.7)	8.9 (8.4–9.4)	9.4 (8.9–10.0)					
Upper respiratory tract infection	6.2 (5.8–6.6)	6.4 (5.9–6.8)	5.5 (5.1–5.9)	5.6 (5.1–6.0)	6.2 (5.8–6.6)					
Immunisation/vaccination—all*	4.7 (4.2–5.1)	4.6 (4.2–5.1)	4.7 (4.2–5.2)	4.6 (4.1–5.2)	5.0 (4.6–5.4)					
Depression*	3.4 (3.2–3.6)	3.5 (3.3–3.8)	3.7 (3.4–3.8)	3.7 (3.5–3.9)	3.6 (3.4–3.8)					
Diabetes*	3.1 (2.9–3.3)	2.9 (2.7–3.1)	3.1 (2.9–3.4)	3.2 (3.0–3.4)	3.5 (3.3–3.8)					
Lipid disorder	2.9 (2.7–3.1)	3.0 (2.8–3.2)	3.3 (3.1–3.5)	3.3 (3.1–3.6)	3.4 (3.1–3.7)					
Osteoarthritis*	2.6 (2.4–2.8)	2.6 (2.4–2.8)	2.8 (2.6–3.0)	2.8 (2.6–3.0)	2.7 (2.5–2.9)					
Back complaint*	2.6 (2.4–2.8)	2.6 (2.3–2.8)	2.7 (2.5–2.9)	2.8 (2.6–3.0)	2.6 (2.5–2.8)					
Acute bronchitis/bronchiolitis	2.7 (2.5–3.0)	2.6 (2.3–2.8)	2.4 (2.2–2.6)	2.4 (2.1–2.7)	2.5 (2.3–2.7)					
Oesophageal disease	1.8 (1.7–2.0)	1.9 (1.7–2.1)	2.2 (2.0–2.4)	2.1 (1.9–2.3)	2.4 (2.2–2.5)					
Asthma	2.8 (2.6–3.0)	2.7 (2.5–2.9)	2.6 (2.4–2.7)	2.3 (2.2–2.5)	2.3 (2.1–2.4)					
<b>Total problems</b>	<b>143.4 (141.7–145.2)</b>	<b>144.9 (143.0–146.8)</b>	<b>146.3 (144.4–148.2)</b>	<b>145.5 (143.6–147.4)</b>	<b>146.2 (144.2–148.2)</b>					

(a) Figures do not total 100 as more than one problem can be managed at each encounter. Also only the most frequent problems are included.

\* Includes multiple ICP-2 or ICP-2 PLUS codes (see Appendix 5, <[www.aihw.gov.au/publications/index.cfm/subject/19](http://www.aihw.gov.au/publications/index.cfm/subject/19)>).

Note: CI—confidence interval.

Table A4.9: Distribution of medications prescribed by CAPS group and subgroup, summary of annual results BEACH 2001–02 to 2005–06

Group and subgroup	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)				
Cardiovascular	13.9 (13.2–14.7)	13.1 (12.3–13.9)	14.4 (13.6–15.2)	14.1 (13.3–14.9)	15.6 (14.6–16.6)					
Antihypertensives	7.5 (7.1–8.0)	7.3 (6.8–7.8)	8.1 (7.6–8.5)	7.9 (7.4–8.4)	8.7 (8.1–9.3)					
Other cardiovascular/lipid modifying	2.7 (2.5–2.9)	2.6 (2.4–2.8)	2.9 (2.7–3.1)	3.1 (2.9–3.3)	3.4 (3.1–3.7)					
Beta-blockers	1.7 (1.5–1.9)	1.5 (1.3–1.7)	1.7 (1.5–1.9)	1.6 (1.4–1.7)	1.8 (1.7–2.0)					
Anti-angina	1.1 (0.9–1.3)	0.8 (0.6–1.1)	1.0 (0.8–1.2)	0.7 (0.5–0.9)	0.9 (0.7–1.1)					
Anti-infections/infestations	14.4 (13.9–14.9)	13.8 (13.2–14.4)	14.2 (13.6–14.7)	14.6 (14.1–15.2)	15.2 (14.6–15.7)					
Broad-spectrum penicillin	4.5 (4.2–4.8)	4.7 (4.4–5.1)	5.0 (4.6–5.3)	5.2 (4.9–5.6)	5.2 (4.9–5.5)					
Cephalosporins	3.2 (3.0–3.5)	3.0 (2.8–3.2)	2.9 (2.7–3.1)	3.3 (3.0–3.6)	3.4 (3.1–3.7)					
Other antibiotics	3.0 (2.8–3.2)	2.8 (2.6–3.0)	2.8 (2.6–3.0)	2.8 (2.6–3.0)	3.3 (3.0–3.5)					
Other penicillins	1.5 (1.2–1.7)	1.2 (1.0–1.4)	1.3 (1.2–1.5)	1.1 (0.9–1.2)	1.1 (0.9–1.3)					
Tetracycline	1.0 (0.8–1.2)	0.9 (0.7–1.0)	0.9 (0.7–1.0)	0.9 (0.8–1.1)	0.9 (0.8–1.1)					
Central nervous system	10.7 (10.1–11.2)	10.5 (10.0–11.1)	10.5 (9.9–11.1)	10.2 (9.7–10.7)	11.1 (10.5–11.7)					
Simple analgesics	3.8 (3.4–4.1)	3.9 (3.4–4.3)	3.6 (3.1–4.0)	3.4 (3.0–3.7)	3.8 (3.4–4.1)					
Narcotic analgesics	2.0 (1.6–2.4)	2.2 (1.9–2.6)	2.3 (2.1–2.6)	2.5 (2.2–2.9)	2.9 (2.4–3.3)					
Compound analgesics	2.7 (2.5–2.9)	2.4 (2.2–2.6)	2.5 (2.3–2.7)	2.4 (2.2–2.6)	2.4 (2.2–2.6)					
Anti-emetic/anti-nausea	1.4 (1.2–1.5)	1.3 (1.2–1.5)	1.4 (1.3–1.5)	1.1 (1.0–1.3)	1.3 (1.1–1.4)					
Anticonvulsant	0.5 (0.3–0.7)	0.5 (0.4–0.7)	0.5 (0.3–0.7)	0.5 (0.3–0.8)	0.6 (0.4–0.8)					
Psychological	7.4 (7.0–7.8)	7.0 (6.6–7.4)	7.6 (7.2–8.0)	7.4 (7.0–7.8)	7.6 (7.2–8.0)					
Anti-depressants	2.9 (2.7–3.1)	2.9 (2.7–3.1)	3.2 (3.0–3.4)	3.1 (2.9–3.2)	3.2 (3.0–4.0)					
Anti-anxiety	1.9 (1.7–2.2)	1.9 (1.7–2.1)	2.0 (1.8–2.2)	2.0 (1.7–2.2)	2.1 (1.8–2.4)					
Sedative hypnotics	1.9 (1.7–2.2)	1.7 (1.6–1.9)	1.8 (1.7–2.0)	1.9 (1.7–2.2)	1.8 (1.6–1.9)					

(continued)

Table A4.9 (continued): Distribution of medications prescribed by CAPS group and subgroup, summary of annual results BEACH 2001–02 to 2005–06

Group and subgroup	2001–02	2002–03	2003–04	2004–05	2005–06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Hormones	6.1 (5.8–6.4)	5.4 (5.1–5.7)	5.7 (5.3–6.0)	5.3 (5.0–5.6)	5.7 (5.4–6.1)
Hypoglycaemics	2.2 (1.9–2.5)	1.9 (1.6–2.2)	2.2 (1.9–2.4)	2.1 (1.8–2.3)	2.5 (2.1–2.8)
Corticosteroids	1.3 (1.2–1.5)	1.1 (0.9–1.2)	1.3 (1.1–1.4)	1.2 (1.1–1.4)	1.3 (1.1–1.5)
Sex/anabolic hormones	2.0 (1.8–2.1)	1.8 (1.6–1.9)	1.5 (1.3–1.7)	1.3 (1.1–1.4)	1.3 (1.1–1.4)
Other hormones	0.6 (0.5–0.8)	0.6 (0.5–0.8)	0.7 (0.6–0.9)	0.7 (0.5–0.9)	0.7 (0.5–0.9)
Musculoskeletal	6.1 (5.8–6.4)	5.7 (5.4–6.0)	5.6 (5.3–5.8)	5.3 (5.0–5.5)	4.5 (4.3–4.8)
NSAIDs	5.3 (5.0–5.5)	4.8 (4.5–5.0)	4.7 (4.5–4.9)	4.4 (4.2–4.7)	3.8 (3.6–4.1)
Urosuric agents	0.4 (0.2–0.6)	0.5 (0.3–0.7)	0.5 (0.3–0.6)	0.5 (0.3–0.7)	0.5 (0.3–0.6)
Respiratory	5.8 (5.3–6.2)	5.3 (4.9–5.7)	4.6 (4.3–4.9)	4.3 (4.0–4.6)	4.3 (4.0–4.6)
Bronchodilators/spasm relaxants	2.9 (2.6–3.1)	2.5 (2.2–2.7)	2.2 (2.0–2.4)	2.1 (1.9–2.2)	2.1 (1.9–2.3)
Asthma preventives	2.2 (2.0–2.4)	2.0 (1.9–2.2)	1.8 (1.7–2.0)	1.7 (1.5–1.8)	2.1 (1.9–2.3)
Skin	4.1 (3.9–4.4)	3.9 (3.7–4.2)	3.9 (3.7–4.1)	4.0 (3.8–4.3)	1.7 (1.6–1.8)
Topical steroids	2.8 (2.6–3.0)	2.6 (2.5–2.8)	2.6 (2.4–2.8)	2.8 (2.6–2.9)	3.7 (3.5–3.9)
Anti-infection, skin	0.7 (0.5–0.8)	0.7 (0.5–0.8)	0.7 (0.6–0.8)	0.7 (0.5–0.8)	2.5 (2.4–2.7)
Other skin	0.6 (0.4–0.8)	0.6 (0.4–0.8)	0.6 (0.4–0.8)	0.6 (0.4–0.7)	0.6 (0.5–0.8)
Digestive	3.8 (3.6–4.1)	3.9 (3.6–4.1)	4.2 (4.0–4.8)	3.8 (3.6–4.0)	4.2 (3.9–4.4)
Anti-ulcerants	2.4 (2.2–2.5)	2.4 (2.2–2.6)	2.7 (2.6–2.9)	2.6 (2.4–2.8)	3.0 (2.8–3.1)
Anti-diarrhoeals	0.5 (0.3–0.7)	0.5 (0.3–0.7)	0.5 (0.3–0.6)	0.4 (0.2–0.6)	0.5 (0.3–0.6)
Allergy, immune system	4.5 (4.1–4.8)	4.8 (4.3–5.3)	3.8 (3.4–4.2)	3.4 (2.9–3.9)	3.0 (2.4–3.5)
Immunisation	3.9 (3.5–4.3)	4.2 (3.7–4.7)	3.3 (2.9–3.7)	3.0 (2.4–3.5)	2.5 (2.0–3.1)

(continued)

Table A4.9 (continued): Distribution of medications prescribed by CAPS group and subgroup, summary of annual results BEACH 2001–02 to 2005–06

Group and subgroup	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)				
Blood	1.8 (1.7–2.0)	1.7 (1.6–1.9)	2.1 (1.9–2.3)	2.0 (1.8–2.2)	1.9 (1.7–2.1)					
Other blood	1.1 (0.9–1.3)	1.0 (0.9–1.2)	1.2 (1.0–1.4)	1.2 (1.0–1.4)	1.3 (1.1–1.5)					
Haemopoietics	0.8 (0.6–0.9)	0.7 (0.6–0.8)	0.9 (0.7–1.0)	0.7 (0.5–0.9)	0.6 (0.5–0.8)					
Eye medications	1.5 (1.4–1.6)	1.6 (1.5–1.8)	1.7 (1.5–1.9)	1.7 (1.5–1.9)	1.8 (1.7–1.9)					
Anti-infectives	0.9 (0.8–1.1)	1.0 (0.9–1.2)	1.0 (0.9–1.2)	1.0 (0.9–1.2)	1.1 (1.0–1.3)					
Other eye medications	0.4 (0.2–0.6)	0.4 (0.2–0.6)	0.5 (0.3–0.6)	0.5 (0.3–0.7)	0.5 (0.3–0.7)					
Urogenital	1.8 (1.6–2.0)	1.7 (1.5–1.9)	1.8 (1.7–2.0)	1.6 (1.5–1.8)	1.7 (1.5–1.8)					
Diuretics	1.3 (1.1–1.5)	1.1 (0.9–1.3)	1.1 (0.9–1.3)	0.9 (0.8–1.1)	0.9 (0.7–1.1)					
Contraceptives	1.7 (1.5–1.8)	1.7 (1.5–1.9)	1.8 (1.6–1.9)	1.6 (1.5–1.8)	1.5 (1.4–1.7)					
Oral/systemic contraception	1.7 (1.5–1.8)	1.7 (1.5–1.9)	1.7 (1.6–1.9)	1.6 (1.4–1.7)	1.5 (1.3–1.7)					
Nutrition, metabolism	1.7 (1.1–2.2)	1.6 (1.4–1.8)	1.6 (1.5–1.8)	1.5 (1.4–1.7)	1.6 (1.5–1.8)					
Nutrition, metabolism other	0.3 (0.1–0.5)	0.5 (0.3–0.7)	0.5 (0.4–0.7)	0.6 (0.4–0.8)	0.7 (0.6–0.9)					
Mineral tonic	0.6 (0.3–0.8)	0.5 (0.3–0.7)	0.5 (0.4–0.7)	0.5 (0.4–0.7)	0.5 (0.3–0.7)					
Ear, nose topical	1.8 (1.7–2.0)	1.6 (1.4–1.7)	1.6 (1.5–1.9)	0.5 (0.3–0.7)	1.5 (1.4–1.7)					
Topical otic	0.9 (0.8–1.1)	0.9 (0.7–1.0)	0.9 (0.7–1.1)	0.9 (0.8–1.1)	0.9 (0.7–1.0)					
Topical nasal	0.9 (0.7–1.0)	0.7 (0.5–0.9)	0.7 (0.5–0.9)	0.7 (0.5–1.0)	0.6 (0.4–0.8)					
Miscellaneous	0.5 (0.3–0.6)	0.3 (0.1–0.6)	0.3 (0.1–0.6)	0.3 (0.1–0.5)	0.3 (0.1–0.6)					

(a) Column will not add to 100 because multiple prescriptions could be written at each encounter. Also only the most frequent medications are included.

Note: CI—confidence interval; NSAID—non-steroidal anti-inflammatory drug.

Table A4.10: Most frequently prescribed generic medications, summary of annual results BEACH 2001-02 to 2005-06

Generic drug	2001-02	2002-03	2003-04	2004-05	2005-06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Amoxicillin	2.9 (2.7-3.2)	3.1 (2.8-3.5)	3.3 (3.0-3.6)	3.5 (3.2-3.8)	3.6 (3.3-3.8)
Paracetamol	3.1 (2.7-3.4)	3.1 (2.7-3.6)	2.9 (2.4-3.3)	2.7 (2.4-3.0)	3.0 (2.7-3.3)
Cephalexin	2.0 (1.8-2.2)	1.9 (1.7-2.1)	2.0 (1.8-2.2)	2.4 (2.2-2.6)	2.5 (2.3-2.7)
Paracetamol/codeine	2.2 (2.0-2.4)	2.0 (1.8-2.2)	2.1 (1.9-2.3)	2.0 (1.8-2.2)	2.0 (1.8-2.2)
Amoxicillin/potassium clavulanate	1.6 (1.3-1.8)	1.6 (1.4-1.8)	1.7 (1.5-1.9)	1.7 (1.5-1.9)	1.7 (1.5-1.8)
Atorvastatin	1.0 (0.9-1.2)	1.0 (0.9-1.2)	1.2 (1.0-1.3)	1.4 (1.2-1.5)	1.6 (1.4-1.8)
Salbutamol	2.0 (1.8-2.2)	1.7 (1.5-1.9)	1.5 (1.4-1.7)	1.4 (1.3-1.6)	1.5 (1.4-1.6)
Roxithromycin	1.4 (1.2-1.6)	1.3 (1.1-1.6)	1.1 (1.0-1.3)	1.1 (0.9-1.4)	1.5 (1.3-1.7)
Mefformin	0.9 (0.8-1.1)	0.8 (0.7-1.0)	1.0 (0.8-1.2)	1.0 (0.8-1.1)	1.2 (1.0-1.3)
Simvastatin	0.9 (0.8-1.1)	0.9 (0.7-1.0)	1.0 (0.9-1.2)	1.1 (0.9-1.3)	1.2 (1.0-1.3)
Diazepam	1.0 (0.8-1.3)	1.0 (0.8-1.2)	1.1 (0.9-1.3)	1.1 (0.9-1.3)	1.1 (1.0-1.2)
Temazepam	1.3 (1.2-1.5)	1.2 (1.0-1.3)	1.2 (1.1-1.4)	1.1 (1.0-1.3)	1.1 (1.0-1.2)
Influenza virus vaccine	1.5 (0.8-2.2)	1.4 (0.6-2.3)	1.2 (0.4-2.0)	0.9 (0.0-1.8)	1.1 (0.9-1.3)
Irbesartan	0.8 (0.6-0.9)	0.8 (0.7-1.0)	0.9 (0.7-1.0)	0.9 (0.7-1.0)	1.1 (1.0-1.2)
Chloramphenicol eye	0.8 (0.7-0.9)	0.9 (0.8-1.1)	0.9 (0.8-1.0)	0.9 (0.8-1.1)	1.1 (1.0-1.1)
Diclofenac sodium systemic	0.9 (0.7-1.1)	0.7 (0.5-0.9)	0.8 (0.6-1.0)	1.0 (0.8-1.1)	1.0 (0.9-1.1)
Levonorgestrel/ethinyloestradiol	1.2 (1.1-1.3)	1.1 (1.0-1.3)	1.2 (1.0-1.3)	1.0 (0.9-1.2)	1.0 (0.9-1.1)
Perindopril	0.7 (0.6-0.9)	0.7 (0.5-0.8)	0.7 (0.5-0.9)	0.8 (0.7-1.0)	1.0 (0.9-1.1)
Atenolol	1.0 (0.7-1.2)	0.8 (0.6-1.0)	1.0 (0.8-1.1)	0.9 (0.7-1.1)	1.0 (0.9-1.1)
Tramadol	0.7 (0.4-0.9)	1.0 (0.8-1.1)	0.9 (0.8-1.1)	1.0 (0.8-1.2)	1.0 (0.9-1.0)
Warfarin sodium	0.9 (0.7-1.1)	0.8 (0.6-1.0)	0.9 (0.7-1.1)	0.9 (0.7-1.2)	0.9 (0.8-1.0)
Esomeprazole	N/A	0.3 (0.0-0.5)	0.6 (0.4-0.8)	0.7 (0.6-0.8)	0.9 (0.8-1.0)
Meloxicam	0.0 <sup>†</sup> (0.0-1.2)	0.3 (0.0-0.6)	0.4 (0.2-0.6)	0.8 (0.6-1.0)	0.9 (0.8-1.0)

(continued)

Table A4.10 (continued): Most frequently prescribed generic medications, summary of annual results BEACH 2001–02 to 2005–06

Generic drug	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)				
Fluticasone/salmeterol	0.6 (0.4–0.8)	0.9 (0.7–1.1)	0.8 (0.7–1.0)	0.9 (0.7–1.0)	0.9 (0.7–1.0)	0.9 (0.8–1.0)				
Cefaclor monohydrate	1.1 (0.8–1.3)	1.0 (0.7–1.3)	0.8 (0.5–1.1)	0.8 (0.4–1.2)	0.8 (0.4–1.2)	0.8 (0.6–1.0)				
Ramipril	0.6 (0.4–0.8)	0.7 (0.5–0.8)	0.7 (0.6–0.9)	0.8 (0.6–1.0)	0.8 (0.6–1.0)	0.8 (0.7–0.9)				
Doxycycline hydrochloride	0.8 (0.6–1.0)	0.7 (0.5–0.9)	0.7 (0.5–0.9)	0.7 (0.6–0.9)	0.7 (0.6–0.9)	0.8 (0.7–0.9)				
Oxycodone	0.3 (0.1–0.5)	0.3 (0.1–0.6)	0.4 (0.2–0.6)	0.5 (0.3–0.7)	0.5 (0.3–0.7)	0.8 (0.7–0.9)				
Aspirin	0.7 (0.5–0.8)	0.7 (0.5–0.9)	0.7 (0.5–0.9)	0.7 (0.5–0.8)	0.7 (0.5–0.8)	0.7 (0.7–0.8)				
Amlodipine	0.7 (0.6–0.9)	0.7 (0.5–0.8)	0.7 (0.5–0.8)	0.6 (0.5–0.8)	0.6 (0.5–0.8)	0.7 (0.6–0.8)				
<b>Total prescribed medications</b>	<b>88.0 (85.6–90.4)</b>	<b>84.3 (81.8–86.9)</b>	<b>86.0 (83.6–88.5)</b>	<b>83.4 (81.2–85.5)</b>	<b>85.8 (83.3–88.4)</b>					

(a) Column will not add to 100 because multiple prescriptions could be written at each encounter.

† Rates are reported to one decimal place. This indicates that the rate is <0.05 per 100 encounters.

Note: CI—confidence interval; N/A—not applicable.



**Table A4.11: Distribution of prescribed medications by ATC Level 2, summary of annual results BEACH 2001–02 to 2005–06**

ATC Level 2	2001–02		2002–03		2003–04		2004–05		2005–06	
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)				
Antibacterials for systemic use	13.9 (13.4–14.4)	13.3 (12.8–13.9)	13.6 (13.1–14.2)	14.0 (13.5–14.6)	14.6 (14.0–15.2)					
Analgesics	8.5 (8.0–9.0)	8.5 (8.0–9.1)	8.5 (8.0–9.0)	8.3 (7.8–8.7)	9.0 (8.4–9.5)					
Agents acting on the renin-angiotensin system	5.0 (4.7–5.3)	4.9 (4.6–5.2)	5.5 (5.1–5.8)	5.5 (5.2–5.9)	6.1 (5.7–6.5)					
Psycholeptics	5.1 (4.8–5.5)	4.7 (4.4–5.0)	5.0 (4.7–5.4)	4.9 (4.6–5.2)	5.0 (4.6–5.3)					
Anti-inflammatory and antirheumatic products	5.3 (5.1–5.6)	4.8 (4.6–5.1)	4.8 (4.5–5.0)	4.5 (4.2–4.8)	3.9 (3.7–4.2)					
Drugs for obstructive airway diseases	5.1 (4.8–5.5)	4.6 (4.2–4.9)	4.1 (3.9–4.4)	3.8 (3.6–4.1)	3.9 (3.6–4.1)					
Serum lipid reducing agents	2.4 (2.3–2.6)	2.4 (2.2–2.6)	2.8 (2.6–3.0)	3.0 (2.8–3.2)	3.3 (3.0–3.6)					
Psychoanaesthetics	3.0 (2.8–3.2)	3.0 (2.8–3.2)	3.3 (3.1–3.5)	3.1 (3.0–3.3)	3.3 (3.1–3.5)					
Drugs for acid-related disorders	2.5 (2.3–2.7)	2.5 (2.4–2.7)	2.9 (2.7–3.0)	2.7 (2.5–2.9)	3.1 (2.9–3.2)					
Sex hormones and modulators of the genital system	3.8 (3.6–4.0)	3.7 (3.5–4.0)	3.5 (3.3–3.7)	3.1 (2.9–3.3)	3.0 (2.8–3.2)					
Corticosteroids, dermatological preparations	2.8 (2.6–3.0)	2.6 (2.5–2.8)	2.6 (2.4–2.8)	2.8 (2.6–2.9)	2.5 (2.4–2.7)					
Vaccines	3.8 (3.4–4.2)	4.2 (3.7–4.6)	3.3 (2.9–3.7)	2.9 (2.4–3.5)	2.5 (2.2–2.8)					
Drugs used in diabetes	2.2 (1.9–2.5)	1.9 (1.6–2.2)	2.2 (1.9–2.4)	2.1 (1.8–2.3)	2.5 (2.2–2.7)					
Calcium channel blockers	2.2 (2.0–2.4)	2.0 (1.8–2.2)	2.2 (2.0–2.3)	2.0 (1.8–2.2)	2.2 (2.0–2.4)					
Beta-blocking agents	1.8 (1.6–2.0)	1.6 (1.4–1.8)	1.8 (1.6–2.0)	1.7 (1.5–1.8)	1.9 (1.8–2.1)					
Ophthalmologicals	1.5 (1.4–1.7)	1.6 (1.5–1.8)	1.7 (1.6–1.8)	1.7 (1.6–1.9)	1.9 (1.7–2.0)					
Diuretics	1.7 (1.5–1.9)	1.6 (1.4–1.8)	1.5 (1.4–1.7)	1.3 (1.2–1.5)	1.4 (1.3–1.5)					
Anti-thrombotic agents	1.1 (0.9–1.3)	1.1 (0.9–1.3)	1.3 (1.1–1.5)	1.3 (1.1–1.5)	1.3 (1.2–1.4)					
Corticosteroids for systemic use	1.3 (1.2–1.5)	1.1 (0.9–1.2)	1.3 (1.1–1.4)	1.2 (1.1–1.4)	1.3 (1.2–1.4)					
Cardiac therapy	1.2 (1.0–1.4)	1.0 (0.7–1.2)	1.0 (0.8–1.3)	0.8 (0.7–1.0)	0.9 (0.8–1.0)					
Drugs used for functional gastrointestinal disorders	0.9 (0.8–1.1)	0.9 (0.7–1.1)	1.0 (0.8–1.1)	0.7 (0.6–0.8)	0.8 (0.7–0.9)					
Otologicals	0.9 (0.7–1.0)	0.8 (0.7–0.9)	0.8 (0.7–1.0)	0.8 (0.7–1.0)	0.8 (0.7–0.8)					

(continued)

Table A4.11 (continued): Distribution of prescribed medications by ATC Level 2, summary of annual results BEACH 2001–02 to 2005–06

ATC Level 2	2001–02	2002–03	2003–04	2004–05	2005–06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Thyroid therapy	0.6 (0.4–0.7)	0.6 (0.4–0.7)	0.6 (0.5–0.8)	0.7 (0.5–0.8)	0.7 (0.6–0.8)
Nasal preparations	0.9 (0.8–1.1)	0.8 (0.6–1.0)	0.8 (0.6–1.0)	0.8 (0.5–1.0)	0.7 (0.6–0.8)
Anti-anaemic preparations	0.8 (0.6–0.9)	0.7 (0.6–0.8)	0.9 (0.7–1.0)	0.7 (0.5–0.9)	0.6 (0.6–0.7)
Anti-epileptics	0.6 (0.3–0.8)	0.6 (0.4–0.7)	0.5 (0.3–0.7)	0.5 (0.3–0.8)	0.6 (0.6–0.7)
Drugs for treatment of bone disease	0.3 (0.1–0.4)	0.4 (0.2–0.6)	0.4 (0.3–0.6)	0.5 (0.3–0.6)	0.6 (0.5–0.7)
Anti-diarrhoeals, intestinal anti-inflammatory/anti-infective agents	0.6 (0.4–0.8)	0.6 (0.4–0.9)	0.6 (0.4–0.8)	0.6 (0.4–0.7)	0.6 (0.5–0.6)
Other nervous system drugs	0.6 (0.0–1.3)	0.4 (0.0–1.2)	0.3 (0.0–0.8)	0.5 (0.0–1.2)	0.6 (0.4–0.7)
Anti-gout preparations	0.4 (0.2–0.6)	0.5 (0.3–0.7)	0.5 (0.3–0.6)	0.5 (0.3–0.7)	0.5 (0.4–0.5)

(a) Column will not add to 100 because multiple prescriptions could be written at each encounter. Also only the most frequent medications are included.

Note: CI—confidence interval.

Table A4.12: Medications most frequently supplied by GPs, summary of annual results BEACH 2001-02 to 2005-06

Generic medication	2001-02	2002-03	2003-04	2004-05	2005-06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Influenza virus vaccine	0.9 (0.0-2.1)	0.7 (0.0-0.9)	1.2 (0.0-2.6)	1.2 (0.0-2.9)	1.6 (1.3-1.8)
Pneumococcal vaccine	0.0 <sup>†</sup> (0.0-1.0)	0.1 (0.0-0.9)	0.1 (0.0-0.8)	0.4 (0.0-1.0)	0.9 (0.8-1.0)
Polio vaccine oral sabin/injection	0.3 (0.0-0.7)	0.3 (0.0-0.7)	0.3 (0.1-0.6)	0.4 (0.2-0.7)	0.5 (0.4-0.5)
Diphtheria/pertussis/tetanus/Hep B	0.2 (0.0-0.6)	0.2 (0.0-0.7)	0.2 (0.0-0.6)	0.2 (0.0-0.5)	0.3 (0.2-0.4)
Mumps/measles/rubella vaccine	0.2 (0.0-0.5)	0.1 (0.0-0.4)	0.2 (0.0-0.5)	0.3 (0.0-0.5)	0.3 (0.3-0.4)
Haemophilus B vaccine	0.2 (0.0-0.5)	0.2 (0.0-0.6)	0.2 (0.0-0.5)	0.2 (0.0-0.5)	0.3 (0.2-0.4)
ADT/CDT (diphtheria/tetanus) vaccine	0.1 (0.0-0.5)	0.1 (0.0-0.5)	0.1 (0.0-0.4)	0.2 (0.0-0.4)	0.2 (0.2-0.3)
Vitamin B12 (cobalamin)	0.1 (0.0-0.7)	0.1 (0.0-0.8)	0.1 (0.0-0.5)	0.2 (0.0-0.6)	0.2 (0.2-0.3)
Meningitis vaccine	0.0 <sup>†</sup> (0.0-0.9)	0.2 (0.0-0.9)	0.3 (0.0-0.6)	0.2 (0.0-0.5)	0.2 (0.1-0.2)
Triple antigen(diphtheria/pertussis/tetanus)	0.2 (0.0-0.6)	0.1 (0.0-0.6)	0.2 (0.0-0.5)	0.3 (0.0-0.7)	0.2 (0.1-0.2)
Meloxicam	0.0 <sup>†</sup> (0.0-1.1)	0.1 (0.0-0.6)	0.2 (0.0-0.7)	0.2 (0.0-0.6)	0.1 (0.1-0.2)
Metoclopramide	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.2 (0.0-0.6)	0.1 (0.0-0.4)	0.1 (0.1-0.1)
<b>Total GP-supplied medications</b>	<b>7.6 (6.3-9.0)</b>	<b>9.3 (7.6-11.0)</b>	<b>8.6 (7.4-9.8)</b>	<b>8.1 (7.3-8.9)</b>	<b>8.8 (8.2-9.5)</b>

(a) Only those medications supplied at a rate of 0.2 per 100 encounters or more in any BEACH year reported here are included.

<sup>†</sup> Rates are reported to one decimal place. This indicates that the rate is <0.05 per 100 encounters.

Note: CI—confidence interval.

Table A4.13: Most frequently advised over-the-counter medications, summary of annual results BEACH 2001-02 to 2005-06

Generic medication	2001-02	2002-03	2003-04	2004-05	2005-06
	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
Paracetamol	2.1 (1.7-2.6)	2.6 (2.1-3.0)	2.5 (1.9-3.0)	2.3 (1.8-2.8)	2.5 (2.2-2.8)
Ibuprofen	0.5 (0.2-0.8)	0.7 (0.1-1.3)	0.2 (0.0-0.5)	0.5 (0.2-0.9)	0.6 (0.5-0.7)
Diclofenac diethyl topical	0.2 (0.0-0.5)	0.2 (0.0-0.5)	0.2 (0.0-0.6)	0.2 (0.0-0.5)	0.2 (0.1-0.2)
Clotrimazole topical	0.2 (0.0-0.4)	0.2 (0.0-0.4)	0.2 (0.0-0.4)	0.2 (0.0-0.4)	0.2 (0.1-0.2)
Sodium chloride topical nasal	0.1 (0.0-0.6)	0.1 (0.0-0.7)	0.1 (0.0-0.5)	0.1 (0.0-0.5)	0.2 (0.1-0.2)
Glucosamine	..	..	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.2 (0.1-0.2)
Loratadine	0.3 (0.0-0.5)	0.3 (0.0-0.6)	0.2 (0.0-0.5)	0.2 (0.0-0.6)	0.2 (0.1-0.2)
Sodium/potassium/citric/glucose	0.1 (0.0-0.6)	0.1 (0.0-0.5)	0.1 (0.0-0.6)	0.1 (0.0-0.5)	0.1 (0.1-0.2)
Paracetamol/codeine	0.2 (0.0-0.5)	0.1 (0.0-0.5)	0.1 (0.0-0.5)	0.1 (0.0-0.6)	0.1 (0.1-0.2)
Fexofenadine	0.1 (0.0-0.5)	0.1 (0.0-0.4)	0.1 (0.0-0.5)	0.2 (0.0-0.5)	0.1 (0.1-0.2)
Cetirizine	0.1 (0.0-0.6)	0.1 (0.0-0.5)	0.1 (0.0-0.5)	0.1 (0.0-0.4)	0.1 (0.1-0.1)
Aspirin	0.2 (0.0-0.5)	0.2 (0.0-0.4)	0.2 (0.0-0.5)	0.1 (0.0-0.5)	0.1 (0.1-0.1)
Mouthwash/gargle other	0.1 (0.0-1.3)	0.1 (0.0-1.1)	0.1 (0.0-1.0)	0.1 (0.0-0.9)	0.1 (0.1-0.2)
Chlorpheniramine/pseudoephedrine	0.1 (0.0-0.5)	0.1 (0.0-0.7)	0.1 (0.0-0.5)	0.1 (0.0-1.0)	0.1 (0.1-0.2)
Bromhexine	0.1 (0.0-0.6)	0.1 (0.0-0.7)	..	01 (0.0-0.8)	0.1 (0.1-0.1)
<b>Total advised medications</b>	<b>8.9 (8.1-9.6)</b>	<b>10.2 (9.2-11.1)</b>	<b>9.4 (8.6-10.1)</b>	<b>10.1 (9.1-11.0)</b>	<b>9.8 (9.0-10.5)</b>

(a) Only those medications supplied at a rate of 0.2 per 100 encounters or more in any BEACH year reported here are included.

Note: CI—confidence interval.

Table A4.14: The most frequent clinical treatments, summary of annual results BEACH 2001–02 to 2005–06

Treatment	2001–02	2002–03	2003–04	2004–05	2005–06
	Rate per 100 encounters (95% CI) (n=96,973)	Rate per 100 encounters (95% CI) (n=100,987)	Rate per 100 encounters (95% CI) (n=98,877)	Rate per 100 encounters (95% CI) (n=94,386)	Rate per 100 encounters (95% CI) (n=101,993)
Advice/education*	6.3 (5.4–7.1)	6.9 (5.9–7.9)	6.8 (5.9–7.7)	7.0 (6.2–7.8)	4.8 (4.1–5.4)
Counselling—problem*	4.7 (3.8–5.5)	5.5 (4.7–6.3)	4.7 (3.8–5.5)	4.2 (3.3–5.0)	4.8 (4.1–5.4)
Counselling/advice—nutrition/weight*	5.5 (5.0–6.0)	5.2 (4.6–5.9)	4.6 (4.1–5.2)	5.3 (4.7–5.9)	3.6 (3.2–4.0)
Advice/education—treatment*	5.1 (4.5–5.7)	4.2 (3.6–4.9)	4.4 (3.7–5.0)	4.6 (4.0–5.1)	3.1 (2.6–3.5)
Counselling—psychological*	3.2 (2.8–3.5)	2.9 (2.6–3.2)	2.9 (2.6–3.1)	3.2 (2.9–3.5)	3.1 (2.8–3.3)
Advice/education—medication*	2.8 (2.5–3.2)	2.5 (2.1–2.8)	3.4 (3.0–3.8)	3.4 (2.9–3.8)	1.6 (1.4–1.7)
Sickness certificate	1.1 (0.5–1.6)	1.3 (0.8–1.8)	1.0 (0.6–1.4)	1.7 (1.3–2.1)	1.6 (1.4–1.9)
Counselling/advice—exercise*	2.1 (1.6–2.5)	1.6 (1.2–2.0)	1.5 (1.1–1.9)	1.9 (1.4–2.3)	1.1 (0.9–1.2)
Reassurance, support	1.5 (1.0–1.9)	1.4 (1.0–1.7)	1.5 (1.0–1.9)	1.6 (1.2–1.9)	1.0 (0.8–1.2)
Administrative procedure*	1.5 (1.3–1.8)	1.6 (1.3–1.8)	1.8 (1.5–2.1)	1.3 (1.1–1.5)	1.0 (0.9–1.1)
Counselling/advice—smoking*	0.8 (0.6–1.0)	0.7 (0.4–0.9)	0.6 (0.4–0.9)	0.8 (0.6–1.0)	0.5 (0.4–0.6)
Counselling/advice—lifestyle*	0.4 (0.0–1.0)	0.5 (0.0–1.5)	0.3 (0.0–0.8)	0.4 (0.0–1.0)	0.5 (0.3–0.6)
Counselling/advice—alcohol*	0.4 (0.2–0.6)	0.4 (0.1–0.6)	0.4 (0.2–0.5)	0.5 (0.2–0.7)	0.3 (0.3–0.3)
Observe/wait*	0.3 (0.0–0.7)	0.3 (0.0–0.7)	0.3 (0.0–0.7)	0.4 (0.0–0.7)	0.3 (0.2–0.4)
Family planning*	0.3 (0.1–0.6)	0.4 (0.1–0.6)	0.4 (0.2–0.6)	0.4 (0.2–0.6)	0.3 (0.2–0.3)
Counselling/advice—prevention*	0.3 (0.0–0.6)	0.3 (0.0–0.8)	0.4 (0.0–0.8)	0.4 (0.1–0.8)	0.2 (0.2–0.3)
Counselling/advice—health/body*	0.3 (0.1–0.6)	0.3 (0.0–0.8)	0.3 (0.0–0.7)	0.4 (0.1–0.6)	0.1 (0.1–0.2)
<b>Total clinical treatments</b>	<b>38.1 (36.1–40.1)</b>	<b>37.2 (35.0–39.4)</b>	<b>36.6 (34.5–38.8)</b>	<b>39.2 (37.1–41.4)</b>	<b>29.2 (27.3–31.1)</b>

\* Includes multiple ICP-2 or ICP-2 PLUS codes (see Appendix 5, <[www.aihw.gov.au/publications/index.cfm/subject/19](http://www.aihw.gov.au/publications/index.cfm/subject/19)>).

Note: CI—confidence interval.

**Table A4.15: The most frequent procedural treatments, summary of annual results BEACH 2001–02 to 2005–06**

	2001–02	2002–03	2003–04	2004–05	2005–06
<b>Treatment</b>	<b>Rate per 100 encounters (95% CI) (n=96,973)</b>	<b>Rate per 100 encounters (95% CI) (n=100,987)</b>	<b>Rate per 100 encounters (95% CI) (n=98,877)</b>	<b>Rate per 100 encounters (95% CI) (n=94,386)</b>	<b>Rate per 100 encounters (95% CI) (n=101,993)</b>
Excision/removal tissue/biopsy/destruction/debridement/cauterisation*	2.7 (2.4–3.0)	2.9 (2.6–3.1)	3.1 (2.6–3.7)	3.3 (2.9–3.7)	3.0 (2.7–3.2)
Dressing/pressure/compression/tamponade*	1.8 (1.6–2.0)	2.0 (1.8–2.2)	1.8 (1.6–2.1)	2.0 (1.8–2.2)	2.1 (1.9–2.3)
Local injection/infiltration*	1.2 (0.5–1.8)	1.5 (1.2–1.8)	1.6 (1.3–1.9)	2.0 (1.6–2.3)	2.0 (1.8–2.2)
Physical medicine/rehabilitation*	2.2 (1.8–2.6)	2.1 (1.6–2.6)	1.7 (1.3–2.0)	2.0 (1.5–2.5)	1.4 (1.1–1.6)
Incision/drainage/flushing/aspiration/removal body fluid*	1.2 (1.0–1.3)	1.1 (1.0–1.3)	1.2 (1.0–1.3)	1.0 (0.9–1.2)	1.3 (1.2–1.4)
Pap smear*	0.9 (0.6–1.1)	1.1 (0.8–1.4)	1.1 (0.7–1.5)	1.0 (0.6–1.3)	1.0 (0.8–1.1)
Repair/fixation—suture/cast/prosthetic device (apply/remove)*	0.9 (0.7–1.0)	0.9 (0.7–1.0)	0.8 (0.7–1.0)	0.9 (0.8–1.0)	1.0 (0.9–1.1)
Other therapeutic procedures/surgery NEC*	1.4 (0.8–2.0)	1.2 (0.8–1.6)	1.1 (0.6–1.7)	1.2 (0.3–2.1)	0.8 (0.6–0.9)
Physical function test*	0.4 (0.0–0.9)	0.5 (0.0–1.1)	0.4 (0.1–0.7)	0.4 (0.1–0.7)	0.4 (0.3–0.5)
Electrical tracings*	0.3 (0.0–0.5)	0.3 (0.1–0.6)	0.3 (0.1–0.6)	0.3 (0.1–0.6)	0.4 (0.3–0.5)
Urine test*	0.2 (0.0–0.6)	0.3 (0.0–0.6)	0.3 (0.0–0.6)	0.3 (0.0–0.6)	0.3 (0.2–0.3)
Other preventive procedures/high-risk medication, condition*	0.0 <sup>†</sup>	0.2 (0.0–0.6)	0.3 (0.0–0.7)	0.3 (0.0–0.7)	0.2 (0.2–0.3)
<b>Total procedural treatments</b>	<b>13.8 (13.1–14.5)</b>	<b>14.6 (13.9–15.3)</b>	<b>14.7 (14.0–15.5)</b>	<b>15.5 (14.6–16.4)</b>	<b>14.4 (13.7–15.1)</b>

\* Includes multiple ICP-2 or ICP-2 PLUS codes (see Appendix 5, <[www.aihw.gov.au/publications/index.cfm/subject/19](http://www.aihw.gov.au/publications/index.cfm/subject/19)>).

<sup>†</sup> Rates are reported to one decimal place. This indicates that the rate is <0.05 per 100 encounters. The sample size is too small to calculate confidence intervals.

Note: CI—confidence interval; NEC—not elsewhere classified.

Table A4.16: The most frequent referrals, summary of annual results BEACH 2001–02 to 2005–06

	2001–02	2002–03	2003–04	2004–05	2005–06
At least one referral	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=96,973)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=100,987)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=98,877)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=94,386)	Rate per 100 encounters <sup>(a)</sup> (95% CI) (n=101,993)
	10.0 (9.6–10.4)	10.6 (10.2–11.0)	11.0 (10.5–11.5)	10.9 (10.5–11.3)	11.3 (10.9–11.8)
Referrals	10.5 (10.1–10.9)	11.1 (10.7–11.6)	11.6 (11.1–12.1)	11.5 (11.1–12.0)	12.0 (11.5–12.5)
Specialist	7.3 (7.0–7.6)	7.7 (7.3–8.0)	7.9 (7.5–8.2)	7.7 (7.4–8.0)	8.2 (7.8–8.5)
Referral; ophthalmologist	0.8 (0.6–0.9)	0.7 (0.6–0.9)	0.8 (0.7–0.9)	0.8 (0.7–0.9)	0.8 (0.7–0.9)
Referral; surgeon	0.8 (0.6–0.9)	0.7 (0.6–0.9)	0.8 (0.7–1.0)	0.8 (0.7–0.9)	0.8 (0.7–0.8)
Referral; orthopaedic surgeon	0.7 (0.6–0.8)	0.8 (0.6–0.9)	0.7 (0.6–0.8)	0.7 (0.6–0.8)	0.7 (0.6–0.8)
Allied health service	2.3 (2.1–2.5)	2.5 (2.3–2.8)	2.6 (2.4–2.9)	2.7 (2.5–2.9)	2.9 (2.7–3.1)
Referral; physiotherapy	0.9 (0.7–1.1)	1.1 (0.8–1.3)	1.0 (0.9–1.2)	1.1 (0.9–1.2)	1.1 (1.0–1.3)
Referral; psychologist	0.2 (0.0–0.4)	0.2 (0.0–0.4)	0.2 (0.0–0.5)	0.2 (0.0–0.5)	0.2 (0.2–0.3)
Referral; podiatrist/chiropracist	0.2 (0.0–0.4)	0.2 (0.0–0.4)	0.2 (0.0–0.4)	0.2 (0.0–0.4)	0.2 (0.2–0.3)
Hospital	0.4 (0.3–0.6)	0.6 (0.3–0.8)	0.6 (0.3–0.8)	0.5 (0.3–0.7)	0.4 (0.3–0.4)
Emergency department	0.1 (0.0–0.4)	0.1 (0.0–0.4)	0.2 (0.0–0.5)	0.2 (0.0–0.4)	0.2 (0.2–0.2)
Other medical services <sup>+</sup>	NAV	NAV	NAV	0.1 (0.0–0.6)	0.1 (0.0–0.1)
Other referrals	0.3 (0.0–0.6)	0.3 (0.0–0.5)	0.3 (0.0–0.6)	0.3 (0.1–0.6)	0.3 (0.3–0.4)

+ The 'other medical services' grouping was introduced in 2003–04, previously these were grouped in the 'other referrals' group.

Note: CI—confidence interval; NAV—not available.

**Table A4.17: Number of encounters where pathology/imaging ordered, summary of annual results BEACH 2001-02 to 2005-06**

	2001-02	2002-03	2003-04	2004-05	2005-06
	Per cent of encounters (95% CI) (n=96,973)	Per cent of encounters (95% CI) (n=100,987)	Per cent of encounters (95% CI) (n=98,877)	Per cent of encounters (95% CI) (n=94,386)	Per cent of encounters (95% CI) (n=101,993)
No tests ordered	80.8 (80.2-81.4)	79.7 (79.0-80.3)	79.2 (78.5-79.9)	78.8 (78.2-79.5)	77.9 (77.3-78.6)
At least one pathology test ordered	14.0 (13.5-14.5)	14.7 (14.2-15.3)	15.5 (14.9-16.1)	15.7 (15.2-16.3)	16.4 (15.8-16.9)
At least one imaging ordered	6.9 (6.6-7.2)	7.5 (7.1-7.8)	7.2 (6.9-7.5)	7.3 (7.0-7.6)	7.8 (7.4-8.1)

Note: CI—confidence interval.

**Table A4.18: Distribution of pathology orders across pathology groups, summary of annual results BEACH 2001-02 to 2005-06**

	2001-02	2002-03	2003-04	2004-05	2005-06
	Rate per 100 encounters (95% CI) (n=97,973)	Rate per 100 encounters (95% CI) (n=100,987)	Rate per 100 encounters (95% CI) (n=98,877)	Rate per 100 encounters (95% CI) (n=94,386)	Rate per 100 encounters (95% CI) (n=101,993)
<b>Pathology test ordered</b>					
Chemistry	16.5 (15.6-17.3)	17.7 (16.8-18.6)	19.1 (18.1-20.1)	20.4 (19.5-21.4)	21.8 (20.6-22.9)
Haematology	6.2 (5.8-6.5)	6.3 (5.9-6.6)	6.8 (6.4-7.2)	7.0 (6.6-7.3)	7.3 (6.9-7.7)
Microbiology	4.9 (4.5-5.2)	5.1 (4.8-5.5)	5.3 (4.9-5.7)	5.2 (4.8-5.6)	5.6 (5.2-5.9)
Cytology	1.6 (1.3-1.8)	1.7 (1.4-1.9)	1.8 (1.4-2.1)	1.6 (1.3-2.0)	1.7 (1.6-1.9)
Other NEC	0.7 (0.5-0.9)	0.8 (0.4-1.1)	0.8 (0.5-1.1)	0.8 (0.5-1.2)	0.7 (0.6-0.8)
Tissue pathology	0.5 (0.1-0.8)	0.5 (0.2-0.8)	1.8 (1.4-2.1)	0.8 (0.3-1.2)	0.6 (0.5-0.7)
Immunology	0.5 (0.3-0.7)	0.5 (0.2-0.7)	0.7 (0.2-1.2)	0.5 (0.3-0.8)	0.6 (0.5-0.7)
Infertility/pregnancy	0.3 (0.1-0.5)	0.3 (0.1-0.5)	0.2 (0.0-0.5)	0.3 (0.0-0.6)	0.2 (0.2-0.3)
Simple test; other	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.1 (0.0-0.4)	0.1 (0.1-0.2)
<b>Total pathology tests</b>	<b>31.0 (29.7-32.4)</b>	<b>32.9 (31.5-34.4)</b>	<b>35.2 (33.7-36.7)</b>	<b>36.7 (35.2-38.2)</b>	<b>38.6 (36.9-40.3)</b>

Note: CI—confidence interval; NEC—not elsewhere classified.



Table A4.19: Most frequent imaging test orders, summary of annual results BEACH 2001–02 to 2005–06

	2001–02	2002–03	2003–04	2004–05	2005–06
<b>Imaging test ordered</b>	<b>Rate per 100 encounters (95% CI) (n=96,973)</b>	<b>Rate per 100 encounters (95% CI) (n=100,987)</b>	<b>Rate per 100 encounters (95% CI) (n=98,877)</b>	<b>Rate per 100 encounters (95% CI) (n=94,386)</b>	<b>Rate per 100 encounters (95% CI) (n=101,993)</b>
Diagnostic radiology	4.6 (4.4–4.8)	5.1 (4.9–5.4)	4.6 (4.3–4.8)	4.5 (4.3–4.7)	4.8 (4.5–5.0)
Ultrasound	2.5 (2.3–2.7)	2.6 (2.5–2.8)	2.7 (2.5–2.8)	2.7 (2.5–2.8)	2.9 (2.7–3.1)
Computerised tomography	0.8 (0.6–0.9)	0.8 (0.7–0.9)	0.8 (0.7–0.9)	1.0 (0.9–1.2)	1.0 (0.9–1.1)
Nuclear medicine imaging	0.0 <sup>†</sup> (0.0–0.4)	0.0 <sup>†</sup> (0.0–0.4)	0.1 (0.0–0.3)	0.1 (0.0–0.3)	0.1 (0.1–0.1)
Magnetic resonance imaging	0.0 <sup>†</sup> (0.0–0.5)	0.0 <sup>†</sup> (0.0–0.6)	0.0 <sup>†</sup> (0.0–0.5)	0.0 <sup>†</sup> (0.0–0.5)	0.1 (0.0–0.1)
<b>Total imaging tests</b>	<b>7.9 (7.6–8.2)</b>	<b>8.6 (8.2–9.0)</b>	<b>8.2 (7.8–8.6)</b>	<b>8.3 (8.0–8.6)</b>	<b>8.8 (8.4–9.2)</b>

<sup>†</sup> Rates are reported to one decimal place. This indicates that the rate is <0.05 per 100 encounters.

Note: CI—confidence interval.

Table A4.20: Comparative results for patient risk factors, 2001–02 to 2005–06

Risk factor	2001–02		2002–03		2003–04		2004–05		2005–06	
	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)	Per cent (95% CI)
<b>Adult (aged 18 years and over)</b>										
Obese <sup>(a)</sup>	21.4 (20.8–22.2)	20.9 (20.2–21.5)	22.1 (21.4–22.7)	22.4 (21.7–23.2)	22.2 (21.5–22.9)					
Overweight <sup>(a)</sup>	33.5 (32.9–34.1)	33.8 (33.2–34.5)	34.5 (33.8–35.1)	34.6 (33.9–35.2)	34.6 (33.9–35.2)					
Normal <sup>(a)</sup>	42.1 (41.3–42.9)	42.4 (41.6–43.3)	40.7 (39.9–41.6)	40.3 (39.5–41.2)	40.5 (39.7–41.4)					
Underweight <sup>(a)</sup>	3.0 (2.8–3.2)	2.9 (2.7–3.1)	2.8 (2.6–3.0)	2.7 (2.5–2.9)	2.8 (2.5–3.0)					
Current daily smoker <sup>(b)</sup>	18.4 (17.7–19.1)	17.2 (16.5–17.9)	17.6 (16.8–18.3)	18.0 (17.2–18.7)	17.1 (16.3–17.8)					
At-risk alcohol level <sup>(c)</sup>	26.0 (25.1–26.8)	26.2 (25.4–27.1)	26.7 (25.8–27.6)	26.4 (25.5–27.3)	25.9 (25.0–26.8)					
<b>Children (aged 2–17 years) (n)</b>	<b>3,692</b>	<b>3,579</b>	<b>3,301</b>	<b>3,148</b>	<b>3,479</b>					
Obese	13.0 (10.7–15.3)	14.1 (11.4–16.8)	13.2 (10.5–16.0)	12.1 (10.7–13.6)	11.9 (10.6–13.2)					
Overweight	17.6 (15.9–19.3)	18.1 (16.3–19.8)	19.0 (17.0–21.0)	18.1 (16.7–19.4)	18.6 (17.2–19.9)					

(a) Number of adult patients (aged 18 years or more) with available data for BMI: 2001–02 was 31,789; 2002–03 was 32,367; 2003–04 was 31,890; 2004–05 was 30,476; 2005–06 was 33,101.

(b) Number of adult patients (aged 18 years or more) who reported smoking status: 2001–02 was 31,966; 2002–03 was 32,651; 2003–04 was 32,718; 2004–05 was 31,295; 2005–06 was 33,558.

(c) Number of adult patients (aged 18 years or more) who reported alcohol consumption: 2001–02 was 31,559; 2002–03 was 32,140; 2003–04 was 31,721; 2004–05 was 30,414; 2005–06 was 32,753.

Note: CI—confidence interval

## **Appendix 5: Code groups from ICPC-2 and ICPC-2 PLUS**

Available from

[<www.aihw.gov.au/publications/index.cfm/subject/19>](http://www.aihw.gov.au/publications/index.cfm/subject/19)

## **Appendix 6: Chronic code groups from ICPC-2 and ICPC-2 PLUS**

Available from

[<www.aihw.gov.au/publications/index.cfm/subject/19>](http://www.aihw.gov.au/publications/index.cfm/subject/19)

# List of tables

Table 1.1: SAND abstracts for 2005–06 and sample size for each.....	9
Table 2.1: Recruitment and participation rates.....	13
Table 2.2: Comparison of BEACH participants and all active recognised GPs in Australia ...	14
Table 2.3: Age–sex distribution of patients at BEACH and MBS A1 services .....	16
Table 2.4: The BEACH data set.....	17
Table 2.5: Characteristics of participating GPs.....	18
Table 2.6: Computer use at major practice address .....	20
Table 2.7: Top ten combinations of computer use for GPs .....	21
Table 2.8: Summary of morbidity and management.....	22
Table 2.9: Overview of MBS items recorded.....	23
Table 2.10: Type of encounter .....	24
Table 2.11: Medicare item number distribution across item number groups.....	25
Table 2.12: Characteristics of the patients at encounters .....	26
Table 2.13: Number of patient reasons for encounter .....	27
Table 2.14: Distribution of patient reasons for encounter, by ICPC-2 chapter and most frequent individual reasons for encounter within chapter .....	28
Table 2.15: Distribution of RFEs by ICPC-2 component .....	30
Table 2.16: Most frequent patient reasons for encounter.....	30
Table 2.17: Number of problems managed at an encounter.....	32
Table 2.18: Distribution of problems managed, by ICPC-2 chapter and most frequent individual problems within chapter .....	33
Table 2.19: Distribution of problems managed, by ICPC-2 component .....	35
Table 2.20: Most frequently managed problems .....	36
Table 2.21: Most frequently managed new problems .....	38
Table 2.22: Most frequently managed chronic problems.....	39
Table 2.23: Summary of management .....	40
Table 2.24: Encounters and problems for which management was recorded .....	41
Table 2.25: Most common management combinations.....	42
Table 2.26: Distribution of prescribed medications, by ATC Levels 1, 3 and 5 .....	45
Table 2.27: Most frequently prescribed medications (CAPS generic level).....	48
Table 2.28: Medications most frequently supplied by GPs .....	49
Table 2.29: Most frequently advised over-the-counter medications .....	50
Table 2.30: Summary of other treatments .....	51
Table 2.31: Relationship of other treatments with pharmacological treatments .....	52

Table 2.32: Most frequent clinical treatments .....	52
Table 2.33: The ten most common problems managed with a clinical treatment .....	54
Table 2.34: Most frequent procedural treatments .....	55
Table 2.35: The ten most common problems managed with a procedural treatment .....	56
Table 2.36: Summary of referrals and admissions .....	57
Table 2.37: The most frequent referrals by type .....	57
Table 2.38: The ten problems most frequently referred to a medical specialist.....	58
Table 2.39: The ten problems most frequently referred to allied health services.....	59
Table 2.40: The ten problems most frequently referred to hospital.....	59
Table 2.41: Number of encounters and problems for which pathology or imaging ordered..	60
Table 2.42: Distribution of pathology orders across MBS pathology groups and most frequent individual test orders within group .....	61
Table 2.43: The ten problems for which pathology was most frequently ordered .....	62
Table 2.44: The most frequent imaging tests ordered, by MBS group .....	63
Table 2.45: The ten problems for which an imaging test was most frequently ordered .....	64
Table 2.46: Most frequent other investigations .....	65
Table 2.47: Distribution of practice nurse item numbers recorded at encounter. ....	66
Table 2.48: Summary of other treatments given by practice nurse .....	67
Table 2.49: Most frequent treatments provided by practice nurses .....	68
Table 2.50: The most common problems managed with the involvement of practice nurse ..	69
Table 2.51: Patient body mass index (aged 18 years and over).....	71
Table 2.52: Patient smoking status (aged 18 years and over) .....	73
Table 2.53: Patient alcohol consumption (aged 18 years and over).....	75
Table 2.54: Risk factor profile of patients (aged 18 years and over) .....	77
Table 2.55: Number of risk factors, by patient sex .....	77
Table 3.1: Significant changes in the characteristics of participating GPs 1999-00 to 2005-06 .....	80
Table 3.2: Significant changes in encounter types 1999-00 to 2005-06 .....	82
Table 3.3: Significant changes in the characteristics of the patients 1999-00 to 2005-06.....	82
Table 3.4: Significant changes in patient reasons for encounter 1999-00 to 2005-06.....	84
Table 3.5: Significant changes in the problems managed at encounter 1999-00 to 2005-06....	86
Table 3.6: Significant changes in the rates of prescribed medications, clinical treatments and procedures 1999-00 to 2005-06 .....	92
Table 3.7: Significant changes in rates of other treatments 1999-00 to 2005-06 .....	96
Table 3.8: Significant changes in referrals 1999-00 to 2005-06.....	96
Table 3.9: Significant changes in per cent of encounters where at least one test was ordered 1999-00 to 2005-06.....	99
Table 3.10: Significant changes in test ordering 1999-00 to 2005-06.....	99

Table A4.1: GP characteristics, summary of annual results BEACH 2001-02 to 2005-06.....	155
Table A4.2: Summary of morbidity and management, summary of annual results BEACH 2001-02 to 2005-06.....	158
Table A4.3: Type of encounter, summary of annual results BEACH 2001-02 to 2005-06 .....	159
Table A4.4: Characteristics of the patients at encounters, summary of annual results BEACH 2001-02 to 2005-06.....	160
Table A4.5: Rate of patient reasons for encounter by ICPC-2 chapter, summary of annual results BEACH 2001-02 to 2005-06 .....	161
Table A4.6: Rate of RFEs by ICPC-2 component, summary of annual results BEACH 2001-02 to 2005-06 .....	162
Table A4.7: Distribution of problems managed, summary of annual results BEACH 2001-02 to 2005-06 .....	163
Table A4.8: Most frequently managed problems, summary of annual results BEACH 2001-02 to 2005-06 .....	164
Table A4.9: Distribution of medications prescribed by CAPS group and subgroup, summary of annual results BEACH 2001-02 to 2005-06 .....	165
Table A4.10: Most frequently prescribed generic medications, summary of annual results BEACH 2001-02 to 2005-06 .....	168
Table A4.11: Distribution of prescribed medications by ATC Level 2, summary of annual results BEACH 2001-02 to 2005-06 .....	170
Table A4.12: Medications most frequently supplied by GPs, summary of annual results BEACH 2001-02 to 2005-06 .....	172
Table A4.13: Most frequently advised over-the-counter medications, summary of annual results BEACH 2001-02 to 2005-06 .....	173
Table A4.14: The most frequent clinical treatments, summary of annual results BEACH 2001-02 to 2005-06 .....	174
Table A4.15: The most frequent procedural treatments, summary of annual results BEACH 2001-02 to 2005-06 .....	175
Table A4.16: The most frequent referrals, summary of annual results BEACH 2001-02 to 2005-06 .....	176
Table A4.17: Number of encounters where pathology/ imaging ordered, summary of annual results BEACH 2001-02 to 2005-06 .....	177
Table A4.18: Distribution of pathology orders across pathology groups, summary of annual results BEACH 2001-02 to 2005-06 .....	177
Table A4.19: Most frequent imaging test orders, summary of annual results BEACH 2001-02 to 2005-06 .....	178
Table A4.20: Comparative results for patient risk factors, 2001-02 to 2005-06 .....	179

# List of figures

Figure 2.1: Age-sex distribution of patients at encounter .....	26
Figure 2.2: Age-sex-specific rates of problems managed per 100 encounters with 95% confidence intervals .....	32
Figure 2.3: Number of medications prescribed per problem .....	43
Figure 2.4: Number of repeats ordered per prescription .....	44
Figure 2.5: Age-sex-specific prescription rates per 100 problems managed .....	44
Figure 2.6: Age-sex-specific rates of overweight and obesity in adults .....	71
Figure 2.7: Age-sex-specific rates of underweight in adults .....	72
Figure 2.8: Age-specific rates of obesity, overweight and normal/underweight in male children .....	72
Figure 2.9: Age-specific rates of obesity, overweight and normal/overweight in female children .....	73
Figure 2.10: Smoking status – male age-specific rates .....	74
Figure 2.11: Smoking status – female age-specific rates .....	74
Figure 2.12: Age-sex-specific rates of at-risk alcohol consumption .....	76
Figure 3.1: Significant decreases in rates of management per 100 encounters .....	88
Figure 3.2: Significant increases in rates of management per 100 encounters .....	89
Figure 3.3: Changes in medication rates per 100 problems managed .....	90
Figure 4.1: Age distribution of patients at encounter 1998–99 and 2005–06 .....	103
Figure 4.2: Age distribution of patients claiming MBS A1 items of service .....	103
Figure 4.3: Age distribution of the Australian population in 1998 and 2004 .....	103
Figure 4.4: Age-specific Medicare (A1 and A2) population attendance rates 2002–03 .....	103
Figure 5.1: The BEACH relational database .....	115
Figure 5.2: The structure of the International Classification of Primary Care – Version 2 (ICPC-2) .....	118