





National databases

- Pharmaceutical Benefits Scheme administrative data for all reimbursed pharmaceutical claims (covers most drugs in Australia and all residents of Australia)
 - Limitations, does not capture below co-payment medicines (will do from July this year); is not linked to other data (eg. clinical); does not allow for primary or secondary compliance
- Medical Benefits Scheme administrative data, point of care claiming or reimbursement to consumer
 - Limitations, does not capture private insured items; is not linked to other data (eg. hospitals)



State databases

• Hospitals

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- State based; some more 'central' than others; often incompatable IT (although improving); central ordering (eg. PDAs) becoming more common; PBS being implemented in hospitals
- Some community health services



National data (cont.)

• BEACH dataset

- Still a 'process' indicator (rather than outcome) content of GP-patient encounters, problems managed, treatments given
- Randomly selected GPs (about 1000 each year (30% response rate from those contactable)) recording data from 100 consecutive encounters (GP gains 'points' towards vocational registration)
- National Health Survey

 Self report, structured interview. Population prevalence of certain conditions and what consumer reports about GP visits and medication in previous 2 weeks

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Back to pharmacoepidemiologic research

- The best database for us to use currently is PBS database, recognising the limitations ...
- National data can be accessed over internet, State data/ postcode data/ some data by age groups can be purchased from Medicare Australia
- Data accessed as number of 'services' (usually a month supply) over specified time Easy to convert into Defined Daily Doses Can then normalise for population (eg. per 1000 people) and for time (eg. per day)



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