

Demand for health care in Australia

The following dataset is based on the Australian health survey from 1977 to 1978. The dataset includes the following variables

- **sex:** gender (1 if female, 0 if male);
- **age:** Age in years divided by 100 (measured as mid-point of 10 age groups from 15-19 years to 65-69 with 70 or more coded treated as 72)
- **agesq:** Age squared
- **income:** Annual income in Australian dollars divided by 1000 (measured as mid-point of coded ranges Nil, < 200, 200-1000, 1001-, 2001-, 3001-, 4001-, 5001-, 6001-, 7001-, 8001-10000, 10001-12000, 12001-14000, with 14001- treated as 15000)
- **levyplus:** 1 if covered by private health insurance fund for private patient in public hospital (with doctor of choice), 0 otherwise
- **freepoor:** 1 if covered by government because low income, recent immigrant, unemployed, 0 otherwise
- **freerepa:** 1 if covered free by government because of old-age or disability pension, or because invalid veteran or family of deceased veteran, 0 otherwise
- **illness:** Number of illnesses in past 2 weeks with 5 or more coded as 5
- **actdays:** Number of days of reduced activity in past two weeks due to illness or injury
- **hscore:** General health questionnaire score using Goldberg's method. High score indicates bad health.
- **chcond1:** 1 if chronic condition(s) but not limited in activity, 0 otherwise
- **chcond2:** 1 if chronic condition(s) and limited in activity, 0 otherwise
- **doctorco:** Number of consultations with a doctor or specialist in the past 2 weeks
- **nondocco:** Number of consultations with non-doctor health professionals (chemist, optician, physiotherapist, social worker, district community nurse, chiropodist or chiropractor) in the past 2 weeks
- **hospadmi:** Number of admissions to a hospital, psychiatric hospital, nursing or convalescent home in the past 12 months (up to 5 or more admissions which is coded as 5)
- **hospdays:** Number of nights in a hospital, etc. during most recent admission: taken, where appropriate, as the mid-point of the intervals 1, 2, 3, 4, 5, 6, 7, 8-14, 15-30, 31-60, 61-79 with 80 or more admissions coded as 80. If no admission in past 12 months then equals zero.
- **medicine:** Total number of prescribed and nonprescribed medications used in past 2 days
- **prescrib:** Total number of prescribed medications used in past 2 days
- **nonprescr:** Total number of nonprescribed medications used in past 2 days