

NSW Patient Survey Program: Quintile of Disadvantage

Definition

The Quintile of Disadvantage is based on the Index of Relative Socio-economic Disadvantage (IRSD) of the residential postcode of the respondent. The IRSD is one of four indexes of socio-economic status created by the Australian Bureau of Statistics (ABS). The IRSD was obtained using the postal area (POA) to Socio-Economic Indexes for Areas (SEIFA), 2011 data cube available from the ABS (see data download tab at: <http://www.abs.gov.au/ausstats/abs@.nsf/mf/2033.0.55.001>; accessed 4/9/15).

These postal areas are the ABS approximation to Australia Post's postcodes. The cut-offs for each quintile are based on the ABS-derived *deciles* of IRSD for postcodes within NSW. These break the postcodes in NSW into 10 groups based on the IRSD, with each group having similar numbers of postcodes.

The cut-offs for each of the quintiles are as follows:

Quintile	Cut-off
Q1 (most disadvantaged)	IRSD <= 927.0
Q2	927.0 > IRSD <= 965.8
Q3	965.8 > IRSD <= 1001.8
Q4	1001.8 > IRSD <= 1056.0
Q5 (least disadvantaged)	IRSD > 1056.0

Statistical methods

Numerator divided by denominator, expressed as a percentage. As this indicator is part of the socio-demographic measures, no weighting was applied.

Numerator

The number of survey respondents *per quintile*, for whom a match between residential postcode and SEIFA information was available in the ABS data cube, minus exclusions.

Denominator

The number of all survey respondents for whom a match between residential postcode and SEIFA information was available in the ABS data cube, minus exclusions.

Inclusions

All respondents whose residential postcode was included in the entries of the ABS data cube.

Exclusions

For Quintile of Disadvantage, the following are excluded:

- Residential postcode: missing
- Residential postcode: invalid
- Residential postcode unable to be matched to an IRSD quintile in the ABS data cube.

Interpretation of indicator

The quintiles are on a scale of one to five, where Quintile 1 relates to respondents who reside in locations in the most disadvantaged areas and Quintile 5 to respondents who reside in locations in the least disadvantaged areas.