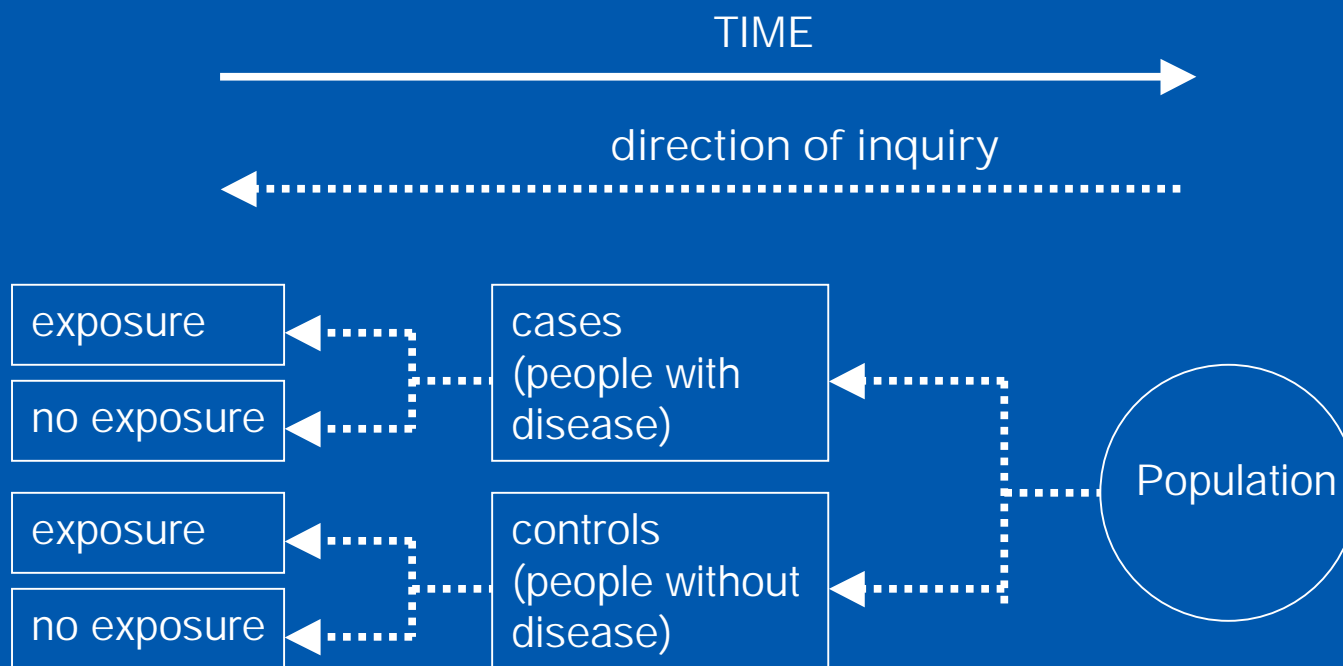


The Framingham Study

- Began in 1948 in Framingham, a Massachusetts town
- All the men aged 45 to 59 were asked to participate
- They gave a history of their health habits, being examined physically, and giving blood samples.
- The participants were then reviewed every two years until they died, and disease events were categorized according to the health behaviors elicited in the histories.

Case control study



Example -

What do we know already?

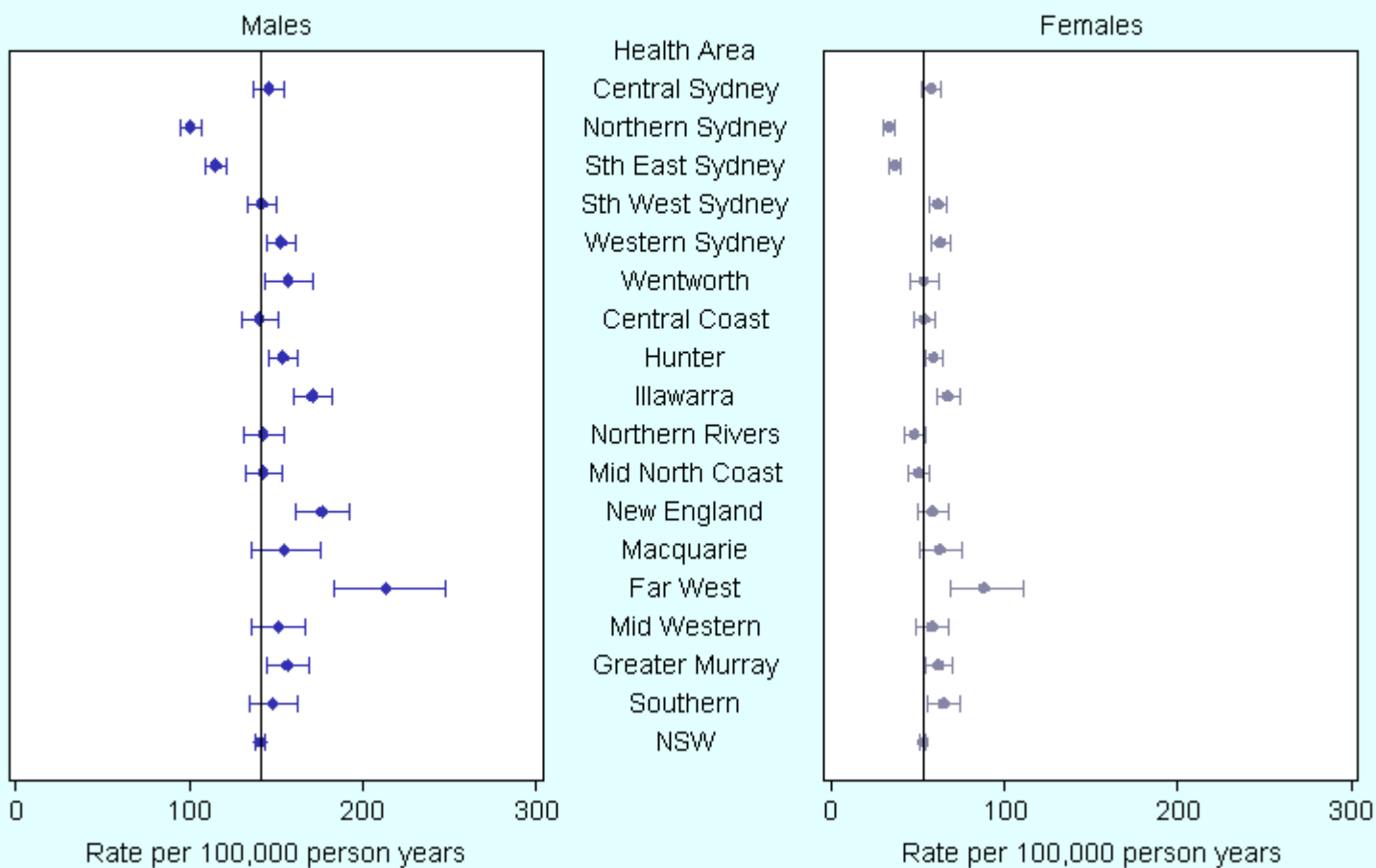
NSW Health routinely collects data on:

- deaths - cause, address - routinely reported down to area health service, but available by postcode
- hospital admissions - as for deaths
- hospital attendances - not routinely reported, but extractable by cause and postcode
- notifiable conditions - including high blood lead - available by postcode
- health survey - telephone reports of symptoms

What else do we know already?

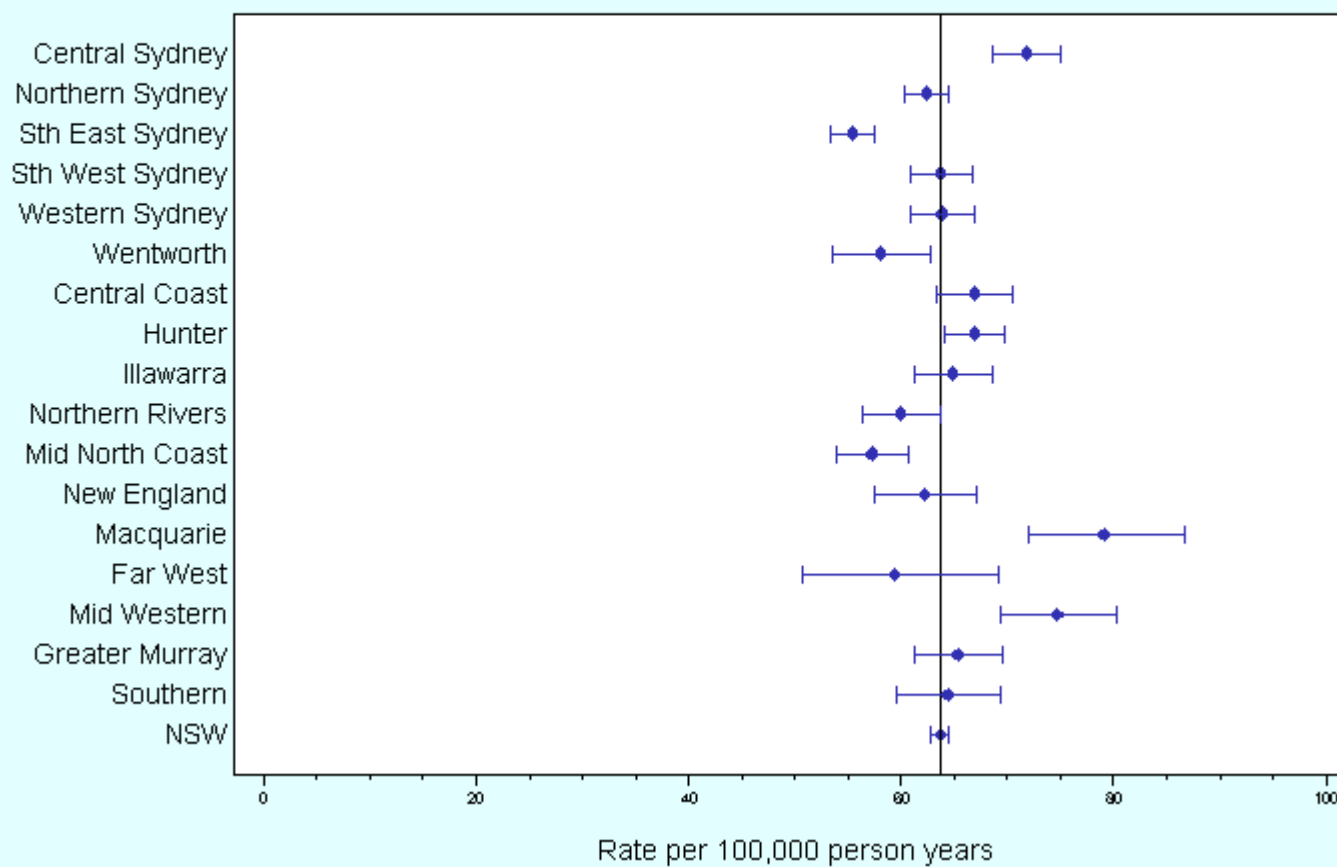
- Birth defects data by postcode
- NSW Cancer Council collects data on cancer
- reports new cases by local government area
 - postcode and at diagnosis is available

**Deaths from coronary heart disease
by Health Area and sex, persons aged 25-74 years, NSW 1994 to 1998**

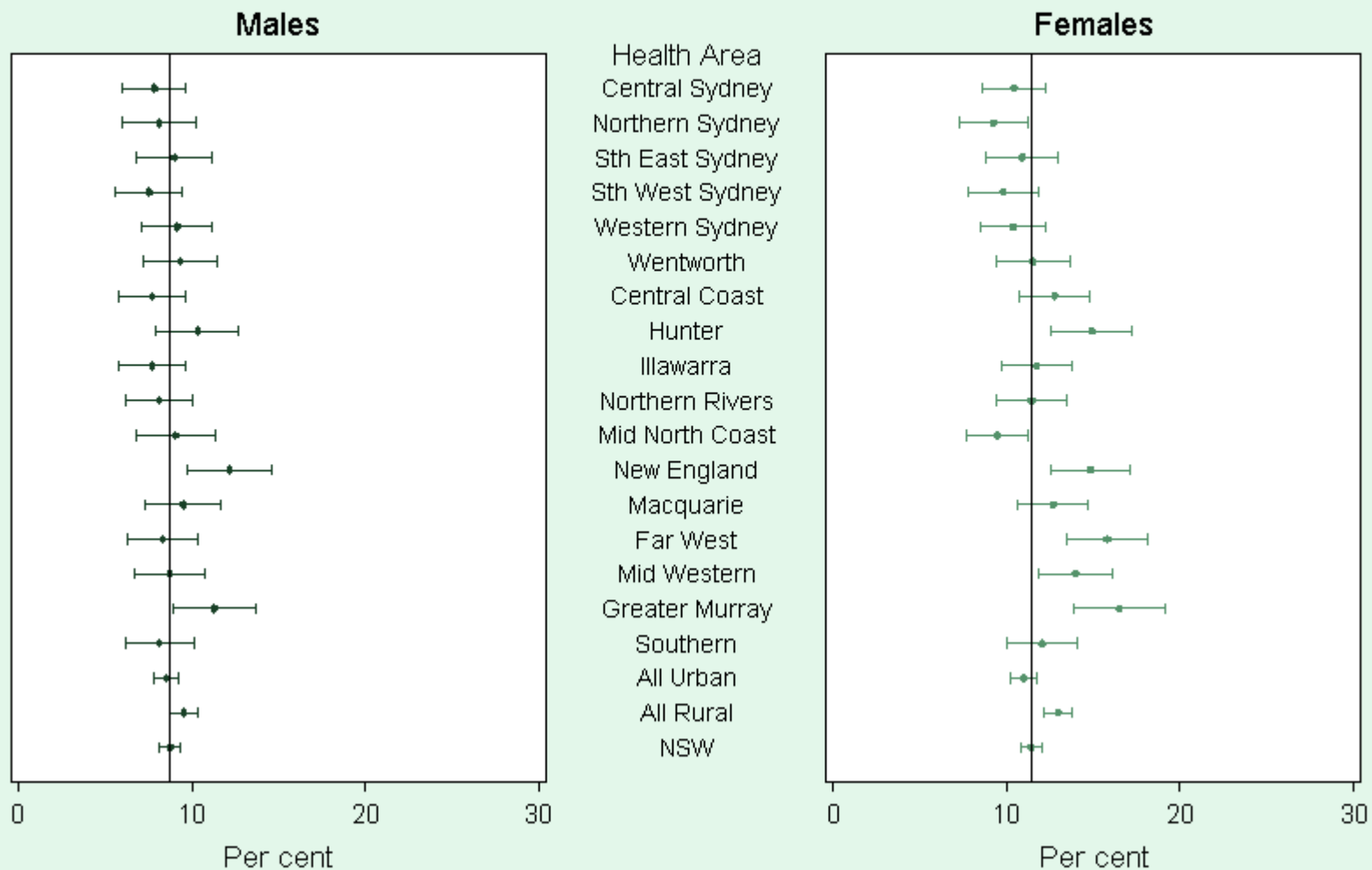


Deaths from stroke by Health Area, NSW 1994 to 1998

Health Area

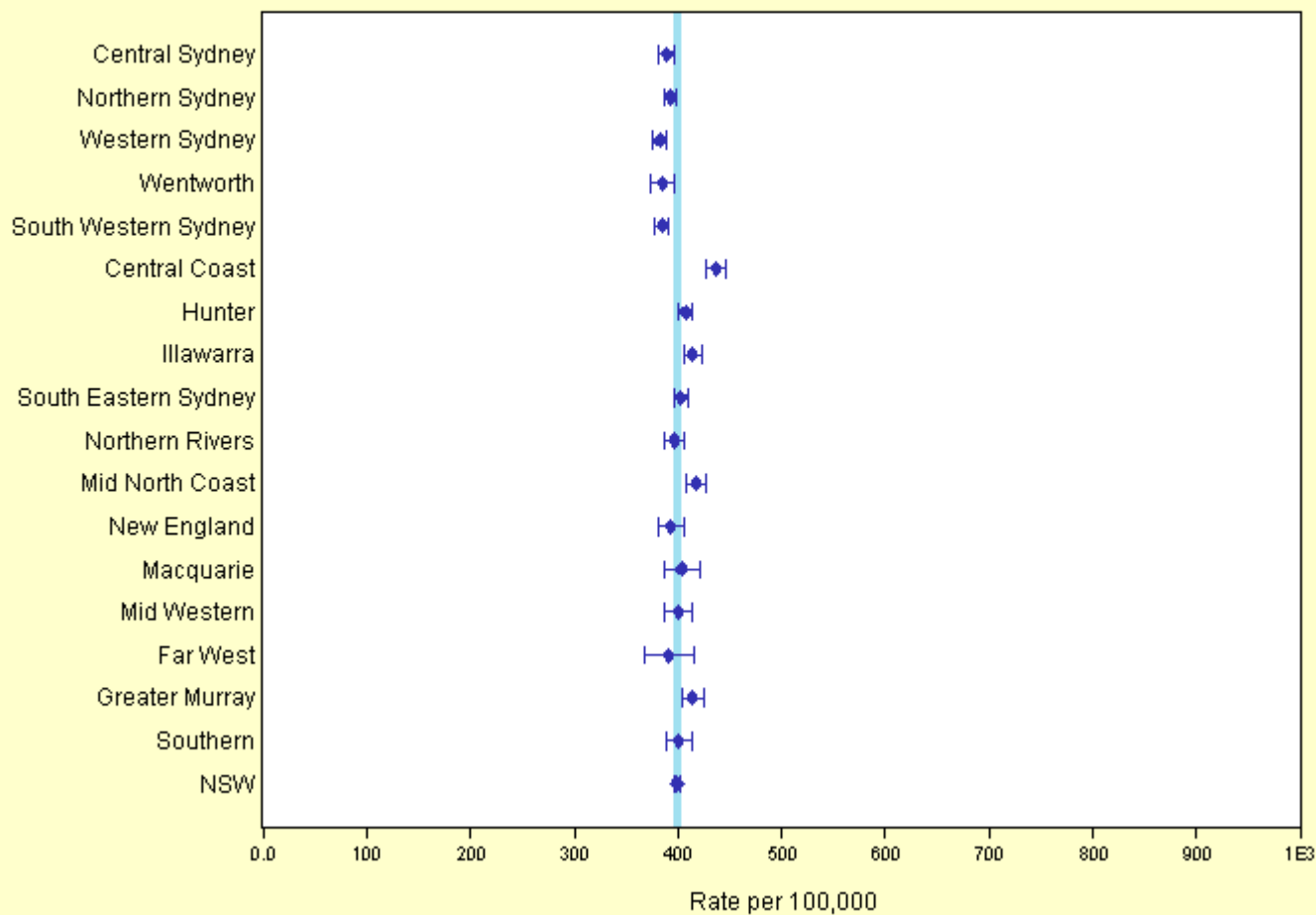


Current doctor diagnosed asthma
by Health Area and sex, persons aged 16 years and over,
NSW 1997 and 1998



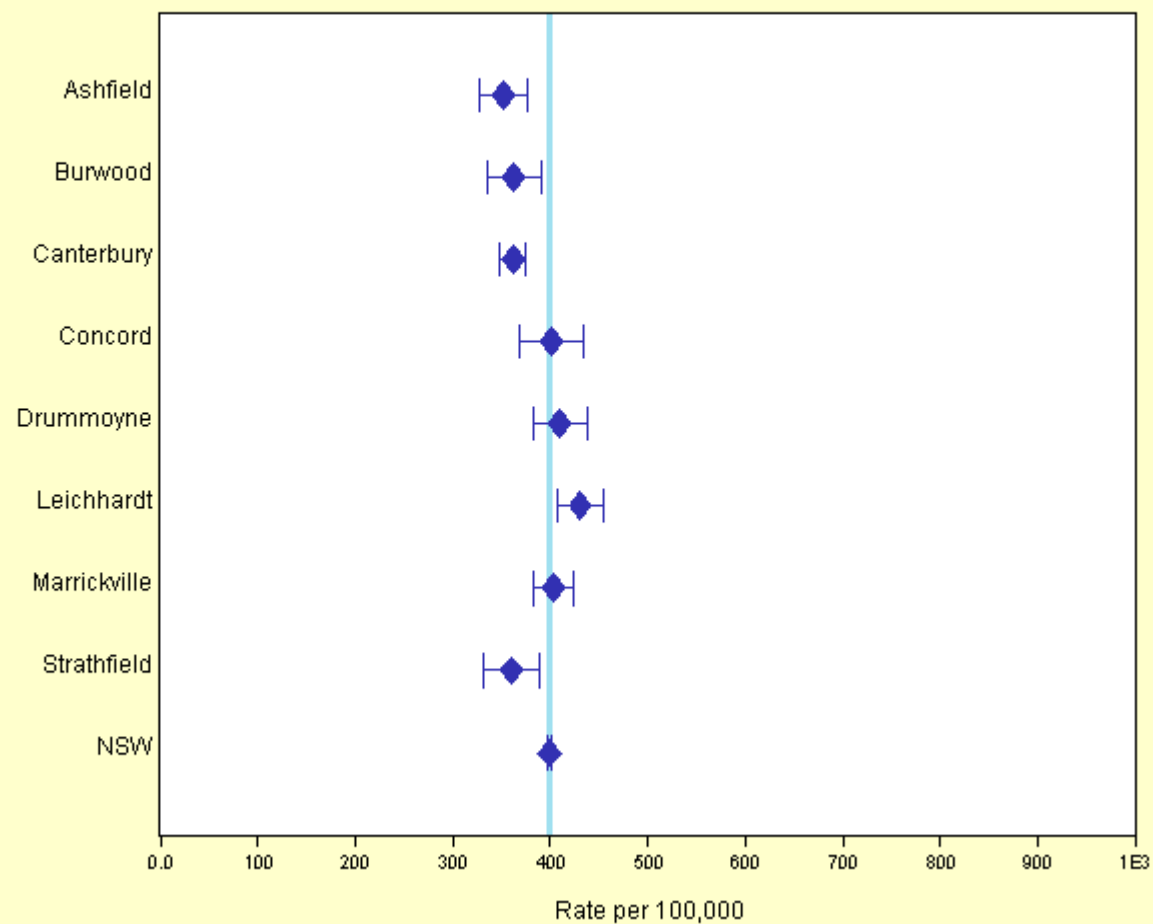
All cancers - Age Standardised Incidence Rates

Means and 95% Confidence Intervals, Persons, 1995-1999, by Area Health Service

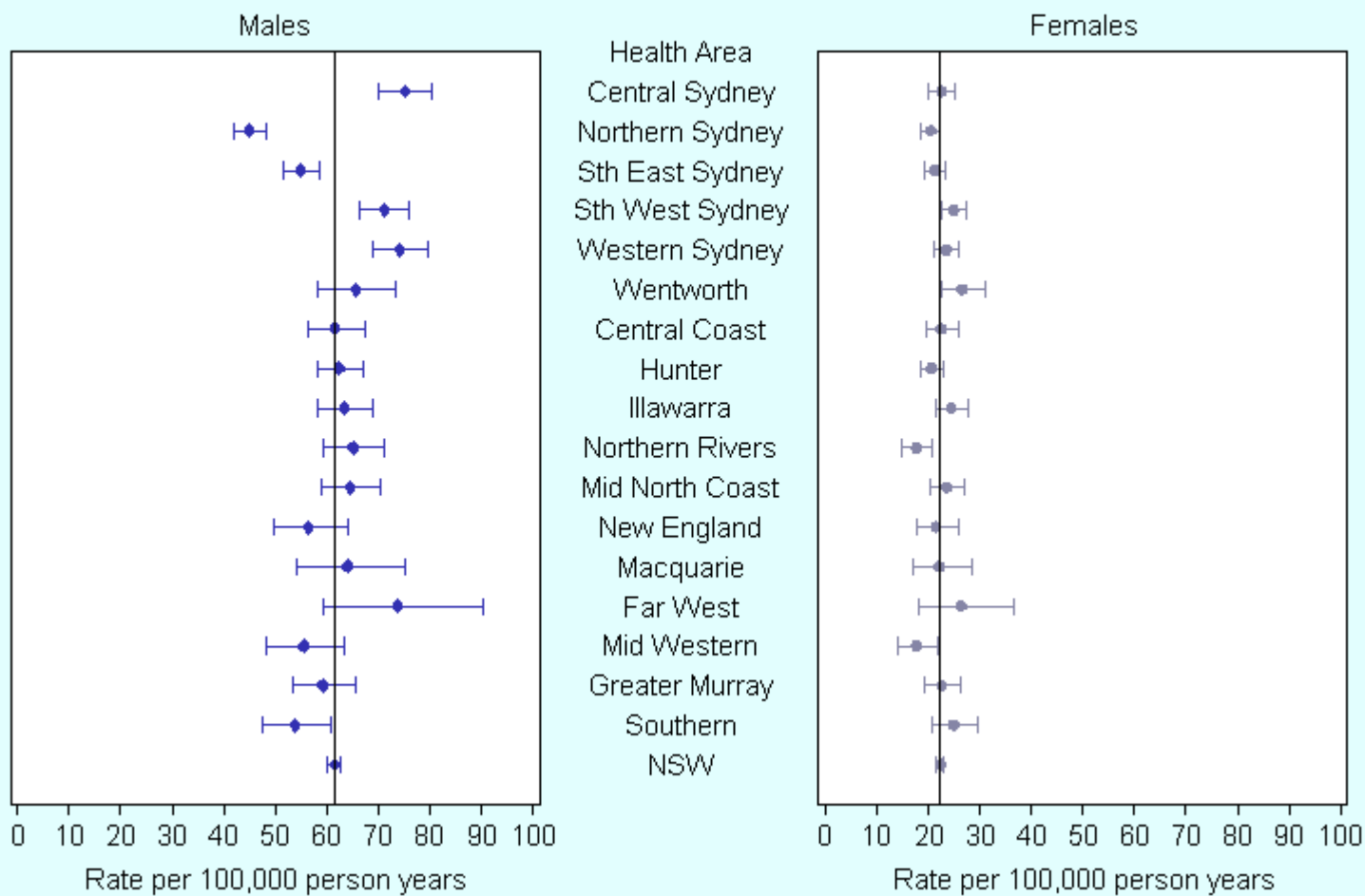


All cancers - Age Standardised Incidence Rates - Central Sydney

Means and 95% Confidence Intervals, Persons, 1995-1999, by Local Government Area

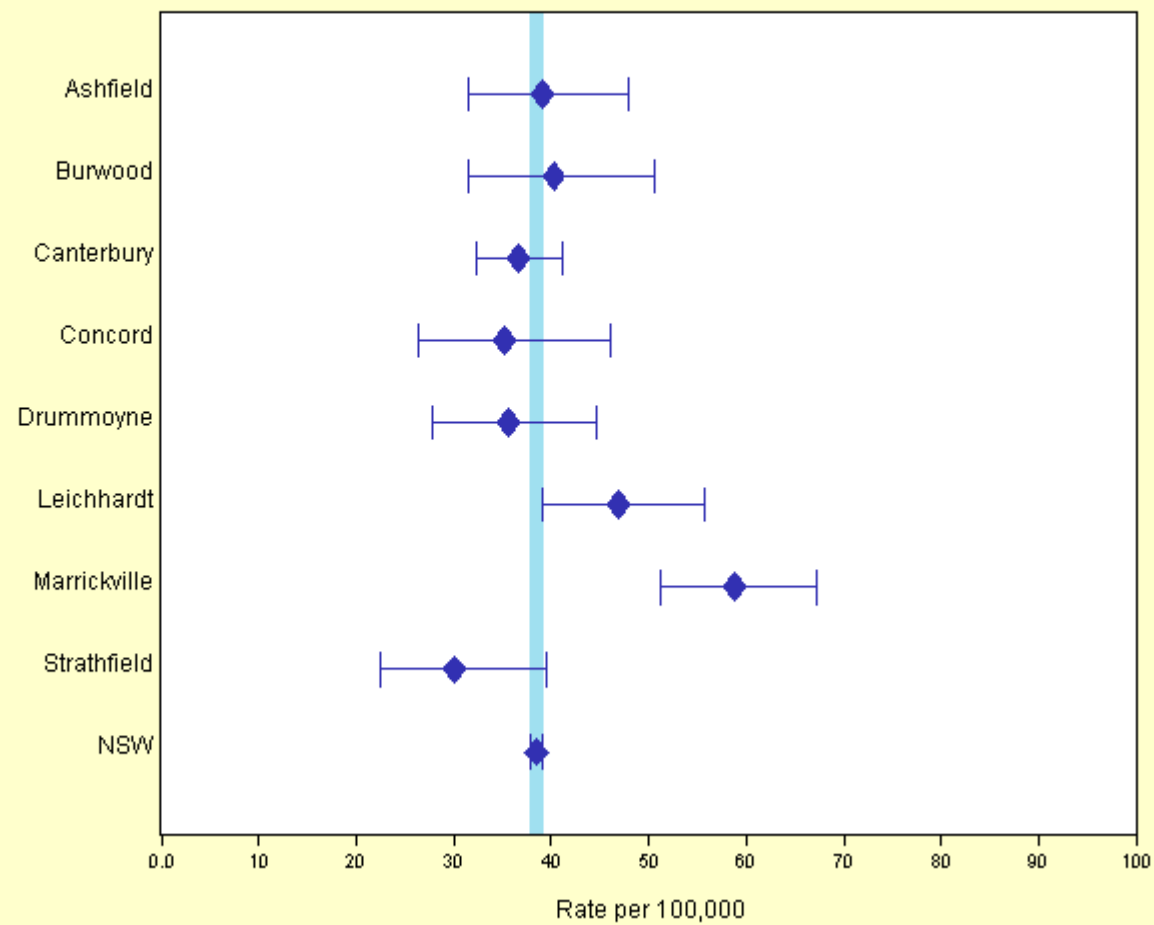


**Lung cancer: new cases by Health Area and sex,
NSW 1992 to 1996**



Lung Cancer - Age Standardised Incidence Rates - Central Sydney

Means and 95% Confidence Intervals, Persons, 1995-1999, by Local Government Area



Notification of elevated blood lead

- 1996 - 3/2002
- 4066 notifications of elevated blood lead
- Male:Female 3755:289
- Adult:Children 3595:455
- Majority have blood lead level of 15-24 mg/L
- Only one notification from Rhodes (Postcode 2138)