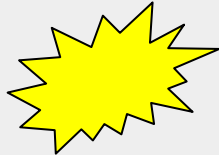


# What data is out there? Health Statistics NSW—Accessible data on the health of the NSW population

Helen Moore, Principal Epidemiologist and Manager, Biostatistics and Reporting  
Centre for Epidemiology and Evidence  
NSW Ministry of Health

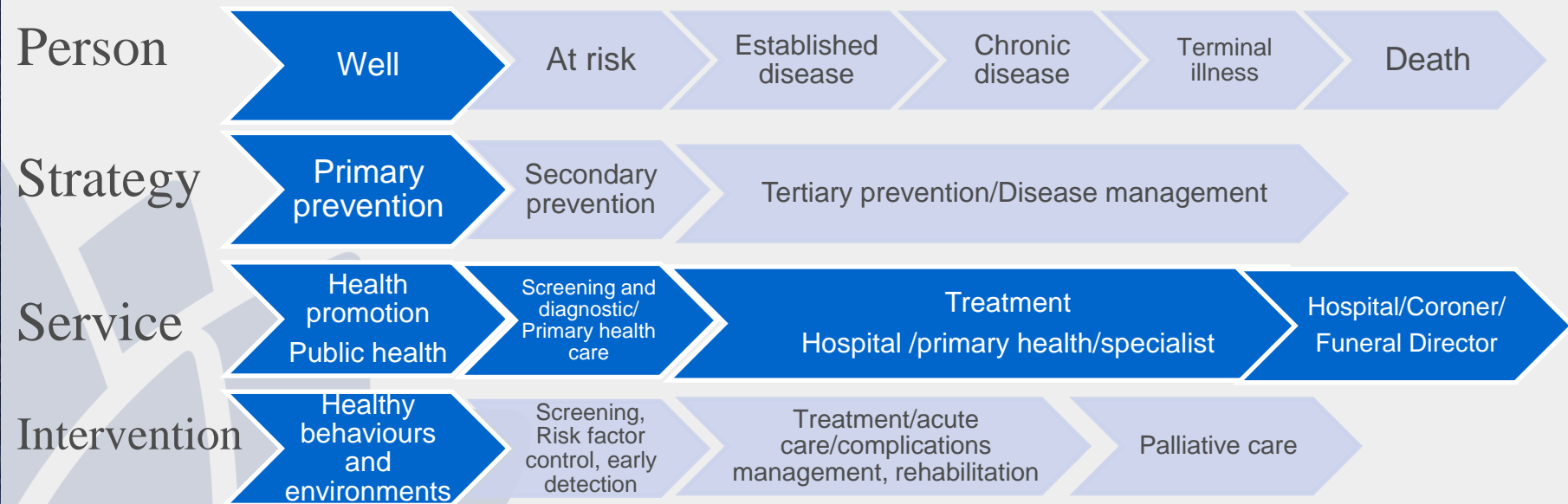
Presentation to: The AH&MRC Continuous Quality Improvement Conference  
Data Driving Change: What Works for Us  
June 2013

# Overview

- What are we trying to measure?
- What are the sources of data?
- Health Statistics NSW: [www.healthstats.nsw.gov.au](http://www.healthstats.nsw.gov.au)
- Live demonstration with scenarios 
- Questions
- What do you want from HSNSW?

# What are we trying to measure?

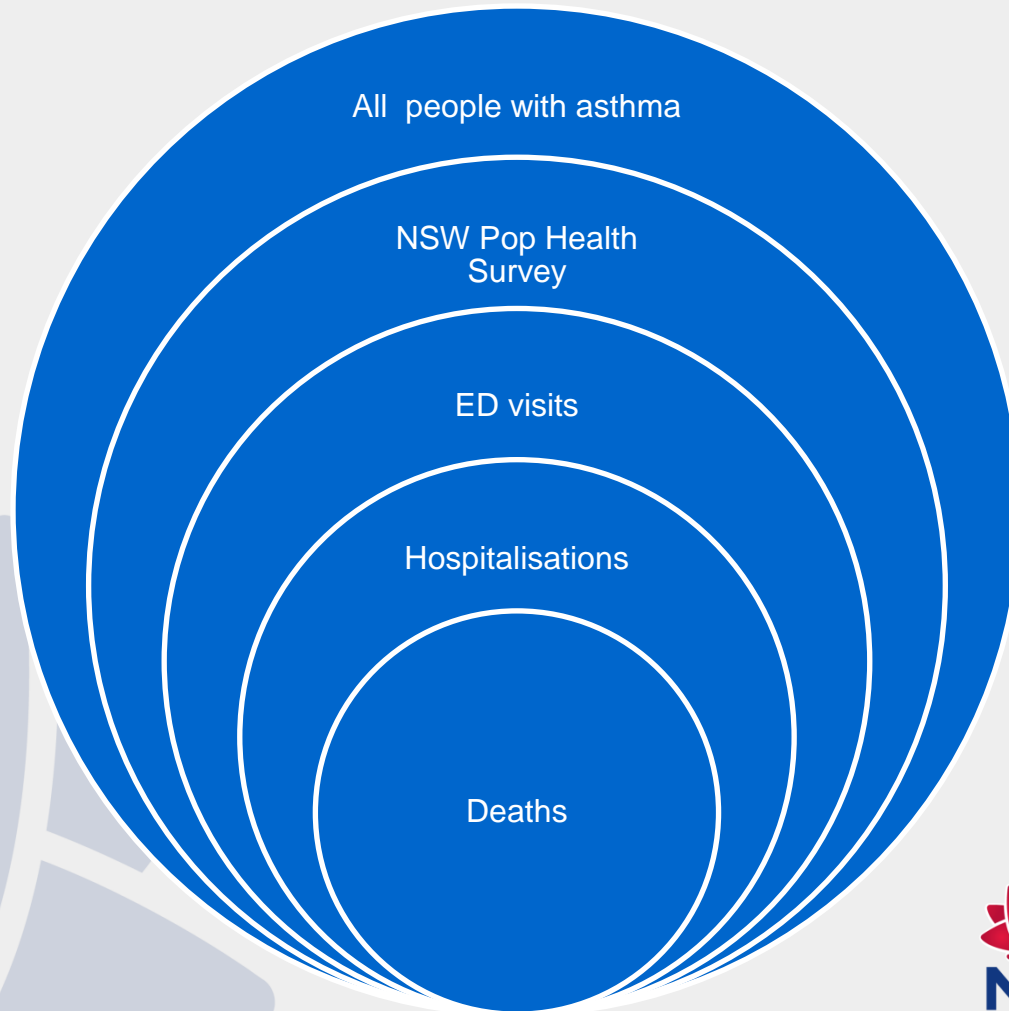
## Population based approach to the Wellness-Illness-Prevention-Care continuum



# What are the sources and their limitations?

Source	Basis of count	Measures	Limitations
NSW Population Health Survey	Self-report, Survey sample, population based	Prevalence of risk factors, social capital, access, diseases	Sample size – representativeness of Aboriginal population
NSW Perinatal Data Collection	All mothers, babies and treatment services	Births, mother and baby outcomes, obstetric services	NSW births only Coverage Aboriginal babies: 59% 2009
NSW Admitted Patient Data Collection	All episodes from all hospitals in NSW	Proxy for disease, injury, procedure incidence, prevalence; service utilisation, performance	Missing data (interstate, administrative practice etc); Coverage Aboriginal people: 80% 2011/12
NSW Emergency Department Data Collection	ED visits to NSW hospitals	Visits by disease type, admissions, performance	Only 84% ED visits covered in 66% hospitals; Coverage Aboriginal people: 87% 2012
Notifiable Conditions Information Management System	Notifications from pathology labs and doctors	Communicable diseases scheduled under the Public Health Act 2010	Scheduled conditions only; Coverage Aboriginal people: 75% not stated
NSW Births and Deaths Registry data	All births and deaths NSW	All births and deaths in NSW by cause and place	Deaths Coverage Aboriginal people: 77% 2006
ABS population data	Estimated residential populations and census	Population numbers by demographic variables	Intercensal accuracy; ERP assumptions.

# Example: Asthma



# Health Statistics NSW

- Web application developed as a “one-stop-shop” and “single source of truth” for population health indicators.
- Wide range of user groups – NSW health system, Medicare Locals and Local Government, other government agencies, researchers, students, clinicians, media, general public.
- Designed for users to find specific information based on topics, population groups or location (geographic or facility).
- Users can ‘self-serve’ indicator data and information and download and re-use for their own purposes in various formats
- Designed to cover the care continuum and a wide range of services using population-based datasets

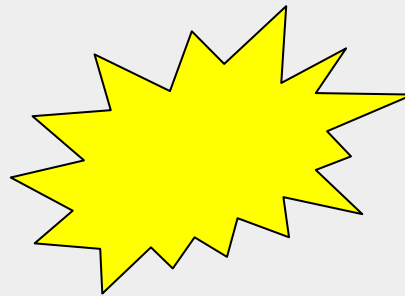
# Scenarios

- Scenario Cardiovascular disease: You want to know about the determinants and outcomes for cardiovascular disease among Aboriginal people in NSW.

You are interested in risk factors, types of diseases and how they vary. You want to know about different outcomes. You want to send a detailed report to your committee members as a background paper.

- Other scenarios?

# THE LIVE DEMONSTRATION





# Questions?

- Health Statistics NSW:

[www.healthstats.nsw.gov.au](http://www.healthstats.nsw.gov.au)

- Feedback: [hsnsw@doh.health.nsw.gov.au](mailto:hsnsw@doh.health.nsw.gov.au)

The screenshot displays the 'Health Statistics New South Wales' website. At the top, the NSW Government logo is on the left, and the title 'Health Statistics New South Wales' is in the center, with 'Version 1.10.2m' on the right. Below the title is a navigation bar with links: 'Report Home', 'Using this Report', 'View Topics A - Z', 'Definitions', and 'My Report'. The main content area is divided into several sections:

- About the Report:** A blue box containing text about the report's scope and a 'Learn More' link.
- Quick Search:** A green box with a 'Keyword' input field, dropdown menus for 'Population Type', 'Location Type', and 'Location', and a 'Search' button.
- PDF Reports:** A list of reports including 'The health of Aboriginal People of NSW: Report of the Chief Health Officer 2012' and 'Admitted patient report 2012'.
- Strategic Indicators:** A list of articles such as 'Improved reporting of Aboriginal and Torres Strait Islander peoples on population datasets in New South Wales using record linkage - a feasibility study'.
- New and Updated:** A list of indicators with dates, including 'Knee and hip replacement by LHD', 'Most people can be trusted by age and year', 'Birth weight by year', 'Maternal age by year', and 'Infant feeding by year'.
- Your Recently Viewed Indicators:** A list of indicators with 'Remove' buttons, including 'First antenatal visit by Aboriginality, NSW', 'Potentially preventable hospitalisations by Aboriginality and sex', and 'Knee and hip replacement procedures: hospitalisations by Local'.

At the bottom of the page, there are links for 'FAQ | Privacy | Copyright | Disclaimer | Feedback'. The footer shows 'Done', 'Local intranet | Protected Mode: Off', and a zoom level of '125%'.