



Preventing harm from medicines

The **Social, Health and Welfare Analytical Unit (SHWAU)** is one of five data analytical units funded under DIPA to undertake research to inform policy and service provision. Members include the Department of Education and Training; Department of Health; and Department of Social Services.

Big data and new analytics methods have the potential to further enhance the Government's robust system for monitoring the safety of medicines in Australia.

Through DIPA, SHWAU supported the **Department of Health** to run a pilot project exploring analysis of Pharmaceutical Benefits Scheme (PBS) data to identify adverse events associated with medicines.



PBS Data

Analysed 684 Medicines



looking for an association with heart failure as an adverse event



Reminding doctors and consumers that medicines can be associated with serious adverse events, as detailed in the 'Product Information and Consumer Medicines Information' for prescription medicines

med SEARCH

PI & CMI
www.tga.gov.au/
medsearch-app



The Data Integration Partnership for Australia (DIPA) is a **three-year \$130.8 million investment** to maximise the use and value of the Government's data assets. Through data integration and analysis, the DIPA **creates new insights into important and complex policy questions.**

The DIPA will:

- improve technical data infrastructure and data integration capabilities
- strictly comply to preserve the privacy of individuals and ensure the security of sensitive data
- improve data assets in important areas such as health, education and social welfare

○ **maximise the use of these assets through data integration and analysis**

Successfully Identified

122

Medicines

already known to be associated with heart failure as an adverse event



Identified

5 new medicines potentially associated with heart failure. Further investigation has led to regulatory action for 1 of these medicines.



Australian Government

SHWAU

Social, Health and Welfare Analytical Unit