

Visualising progress towards Hepatitis B elimination in Western Australia using an interactive dashboard

Authors:

Wilshin C¹, Boccaletti S¹, Mak D¹, O’Loughlen E¹, Zilm D², and Bastian L¹

¹ *Western Australian Department of Health, East Perth, Western Australia 6008*

² *RACGP WA, West Leederville WA 6007*

Background/Approach: Chronic Hepatitis B remains a significant public health challenge in Australia, with persistent gaps in treatment coverage and engagement in care hindering progress towards 2030 elimination targets. While hepatitis B data is routinely collected and reported on, this data is often reported in disparate sources which limits their usefulness for tracking progress and planning programmatic activities. To address this the WA Hepatitis B Working Group have developed a hepatitis B dashboard as a centralised interactive tool using PowerBI.

Analysis/Argument: The dashboard integrates routinely collected surveillance and programmatic data to present key indicators including testing, treatment uptake, vaccination coverage, notifications and quality of life. Selection of indicators were guided by the WA Sexual Health and Blood-borne Virus Strategy 2024–2030 and elimination targets. Development of the dashboard was guided by feedback from the working group (members include individuals from government, non-government organisations, clinicians and public health physicians). Emphasis was placed on usability and clarity of the dashboard for a wide range of users.

Outcome/Results: The dashboard provides a single, accessible platform for visualising hepatitis B indicators over time. Interactive features allow users to explore trends, identify gaps, and inform program activities.

Conclusions/Applications: Translating disparate datasets into a clear and accessible dashboard allows for coordinated efforts across clinical, programmatic, and policy settings. The dashboard demonstrates the value of visualisation tools in enhancing surveillance and monitoring progress towards hepatitis B elimination targets in WA.

Disclosure of Interest Statement: