

## **DISEASE ERADICATION – THE JOURNEY THROUGH BIG DATA**

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### **Background:**

In 2017 The Hepatitis Foundation of New Zealand (HFNZ) embarked on a multi-year initiative to remodel the delivery of long-term surveillance for people with hepatitis B. The goals being, firstly, to dramatically improve front-line productivity. Secondly, to expose the information, data and processes to a new level of analysis and understanding. Thirdly, to develop and enhance operational capability to achieve the World Health Organisation target of eliminating hepatitis B by 2030.

### **Argument:**

Although large scale funding and political will are major factors in meeting targets for viral elimination by 2030, it is not the only determinate. Optimised processes within community organisations such as HFNZ will improve health outcomes for those affected. New Zealand is a multicultural and diverse population with minority groups carrying a disproportionate burden of hepatitis B. Improved identification and access to hard to reach groups of the population is required.

### **Outcome:**

HFNZ has moved all operational capability onto the Microsoft Azure Cloud including Office 365 and Dynamics 365. This has allowed restructuring to a data-centric organisation and deeper deployment of analytical tools. Positive outcomes include increased efficiency and realignment of operational capability to focus on the right information acquisition. Furthermore, high quality and accessible data allows coordination with mesh block data from Statistics New Zealand, giving HFNZ an increased understanding of how to target resources to access the hard to reach population. Both factors will allow HFNZ to meet broader outcomes, over and above operational needs, with respect to funding bodies.

### **Applications:**

With deployment of new, more efficient software, workflow and analysis tools, HFNZ has developed a deeper understanding of the burden of hepatitis B in New Zealand. Armed with this analysis, HFNZ will develop a Framework for Action – a realistic Outcomes Framework for the elimination of hepatitis B by 2030.

### **Disclosure of Interest Statement:**

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