

Being smart with data – Will it increase our capability?

- ▶ **BIG (random) DATA = Massive info overload (i.e. a mess!)**
- ▶ **Raw data is clinically almost useless, wisdom and ‘so what’ is what we need**
- ▶ **Data overload is both I (inputs) and O (outputs) (i.e. too much data is collected, too many times in unstructured and less than useful form)**
- ▶ **If properly structured massive amounts of raw data from any source (e.g. EMR, PoC etc.) can form the basis for significant benefits to our future health system**

- ▶ **The advancement of human clinical genomics will add a further two logs volume of (raw) data to the mix.**

- ▶ **Health professionals need access to smart metadata and ‘wisdom’ sourced from any/all feeds and presented on multiple access platforms.**

- ▶ **Solutions : If data is going to help us and not drown us..... We must**
 - ▶ **standardise and align data coding/capture**
 - ▶ **Ensure connectivity for I and O**
 - ▶ **Make it simple**