

The Way Forward For Health Statistics In Malaysia

Abstract

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In the 11th Malaysia Plan 2016 - 2020, the Government of Malaysia stress to adopt a balanced development approach that gives equal emphasis to both economic growth and wellbeing of the *rakyat*. The Government is committed to improve the wellbeing of all Malaysians with every Malaysian having equal access to quality healthcare.¹ Data collected for secondary use is for the purpose of policy and planning of MoH (Ministry of Health Malaysia). In MoH, data collected after independence started with aggregated method, moving to aggregated electronic and finally to granular electronic. MoH has developed Malaysian Health Data Warehouse (MyHDW) start-up and to further expand to add more data sources. MyHDW currently focus to cater for in-patient and day-care information. MyHDW is defined as *a trusted source of truth of comprehensive healthcare data structured for query and analysis purposes*. Moving forward, MyHDW will cover semi-structured and non-structured data where data are collected and analysed using Mi-Harmony (MIMOS Intelligent Harmonisation Tool) and SNOMED CT (Systematized Nomenclature of Medicine - Clinical Terms). In future, MoH will include all non-MoH hospital (such as Armed Forces and university hospitals), and private hospitals. Finally, MyHDW will cover all healthcare services in Malaysia. It will also move to big data analysis (BDA). This is possible because MyHDW is setup using granular data and can be linked and secured with other systems. In term of cost, since MyHDW is built for secondary data use instead of primary data use, this result in lower development cost in overall and in future maintenance, especially with development using MIMOS technology.

Key Words: Malaysia's health statistics, Malaysian Health Data Warehouse, Geographic Information System

¹ Eleventh Malaysia Plan 2016-2020.