



## Title: USE OF SNOMED CT IN ONLINE QUESTIONNAIRE

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### Presenter

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### Audience

Healthcare providers, Ministry of Health Informatics, Researches, Software developer, IT specialists.

### Objectives

To co-operate and standardize online health questionnaire into the existing clinical practices.

### Abstract

The Student Health Clinic of University Malaya is situated in Kuala Lumpur, Malaysia<sup>1</sup>. The University was the first university in the country and thus the oldest. This clinic serves 30,000 students every year. In the past, all medical consultation, patient records and various clinical forms were hand written by clinicians and other healthcare workers. In 2014, the clinic decided to electronically record clinical consultation. Various templates were designed and SNOMED CT<sup>2</sup> was the chosen clinical terminology which is similar to that adopted in our nearby hospital, University Malaya Medical Centre<sup>3</sup>.

In the patient record, SNOMED CT is used in the fields of chief complaint, past history (medical, surgical, family and social); whilst other fields such as history of present illness, physical examination and treatment plan allow for free text. Finally we use ICD10 as diagnosis for statistical reporting to the Ministry.

In early 2017, we further designed an online health questionnaire to capture the health status of the university's new students. They can log in our website at the comfort of their homes and enter the relevant information after receiving the offer letter from the university. This data will be stored in our clinical system (i-pesakit) and accessible to the doctors who perform medical check-up on these students after their arrival in the university. The registration is simple and straight forward as the majority of health information is already available in our clinic database.

There is a huge intake of new students per year in the university (up to 8000). With the coded questionnaire which is already available in the clinic database, our clinicians are able to prepare the students needs even before they are physically present in the campus. In addition, when a student requires further care in the hospital, his/ her medical record can be readily viewed by the hospital clinician.

Therefore, by adopting SNOMED CT as the clinical terminology in our online health questionnaire, not only standardized recording is used but it also ensures interoperability between our clinic and the hospital. These in turn will enhance patient care/safety (allergy/ safe prescribing) and communication.

In conclusion, we see SNOMED CT has a promising future to provide good data as well as on clinical audit and research as this online questionnaire can be used in all university/hospitals throughout Malaysia.

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### References:

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