



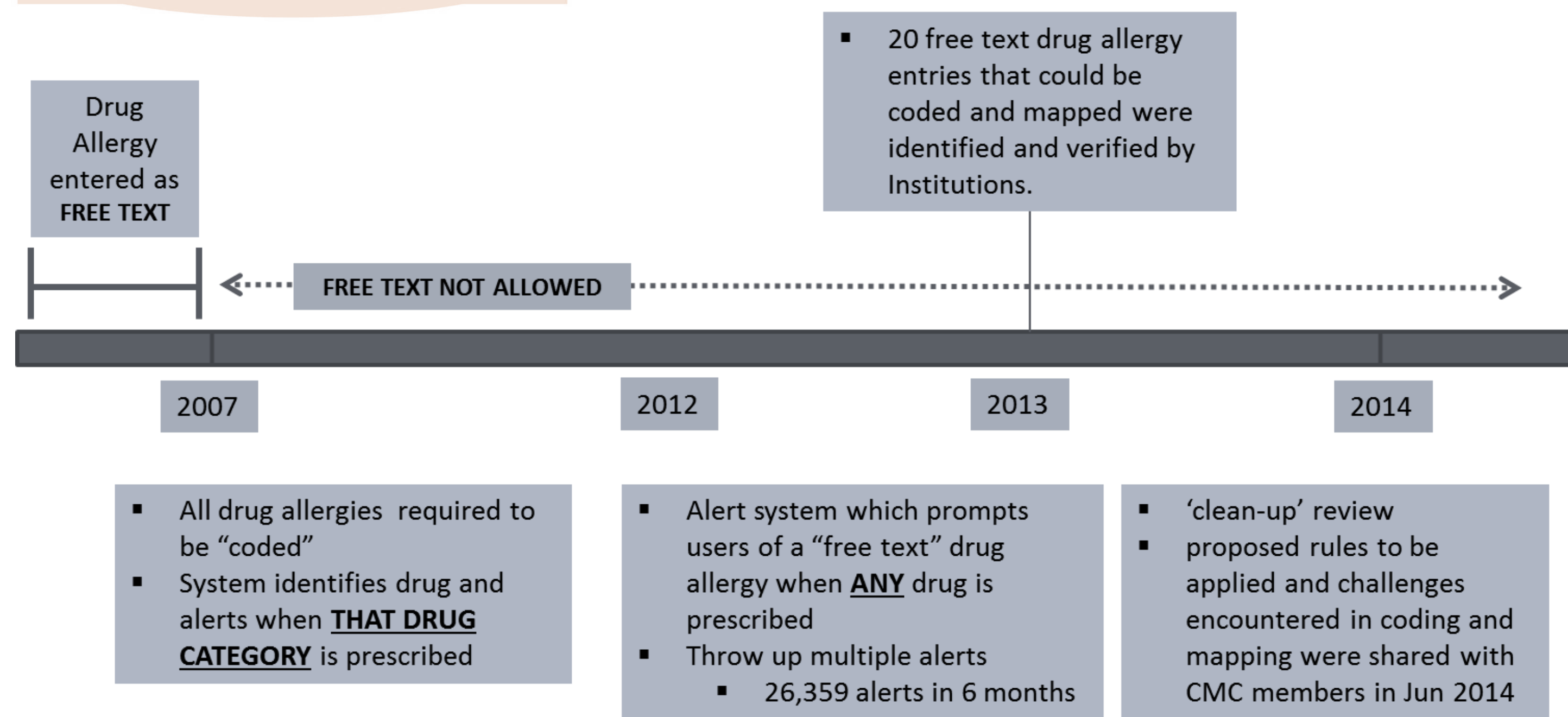
# Singapore Healthcare Management 2016

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## Medication Safety Risk Management

### - Coding and Mapping of Free Text Allergy in the Sunrise Clinical Manager System to prevent / minimise risk of alert fatigue

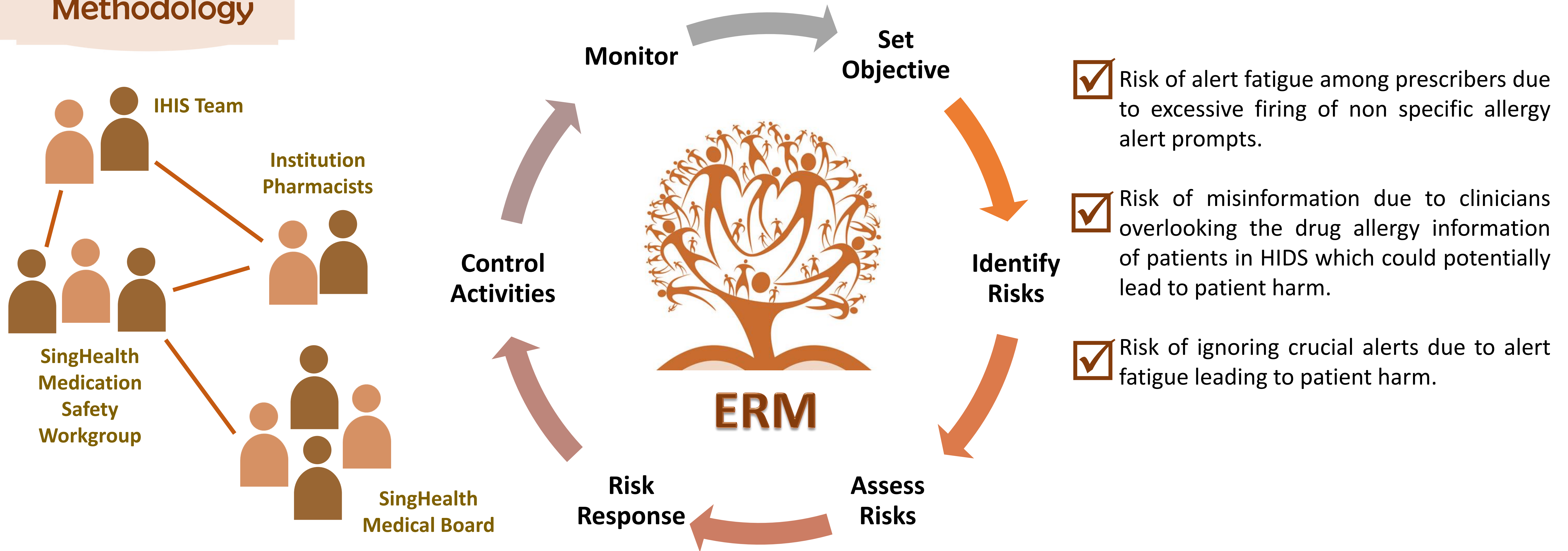
#### Background



#### Objectives

- To enhance the safety and quality of the prescribing process across the Cluster through coding and mapping of free text drug allergies in the Closed Loop Medication Management (CLMM) system.
- To conduct a 'clean-up' review of free text drug allergy entries from the Hospital Inpatient Discharge Summary (HIDS) to the Sunrise Clinical Manager System (SCM) to enhance patient safety when prescribing medications.
- To lessen excessive warnings to prevent alert fatigue among prescribers.

#### Methodology



#### Results



**SGD1,700.33** per year of Estimated Potential Cost Savings was calculated

Calculation was based on the total time saved for doctors per year (38.6 hours) and the average manpower cost for physicians/general practitioner (\$8,282.00/month) based on the published data from Ministry of Manpower's Occupational Wage Table(s) for 2014 (released in June 2015)

#### Conclusion

Drug Allergy alerts have great potential to reduce adverse drug effects and improve patient safety when properly implemented and utilized. However, interruptive non specific alerts could cause alert fatigue among physicians and reduce the overall effectiveness of such alerts that might lead to physicians missing out alerts that could be critical for safe patient care. Filtering these alerts could potentially save time and effort and would facilitate better decision support for our clinicians.

The proactive and multidisciplinary approach in the risk assessment and mitigation process provided a systematic review of system issues in order to prevent medication errors and reduce the risks of harm.

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