



KK Human Milk Bank IT System Implementation Work Drop of Human Milk Counts

Every Drop of Human Milk Counts

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SingHealth

Introduction

KK Human Milk Bank (KKHMB):

- first and national initiative
- provides a ready supply of safe pasteurised donor human milk (PDHM) for premature/sick infant
- reduces risks of fatal diseases
- optimises health and development outcomes of this vulnerable population

Aims

Implement IT solution with:

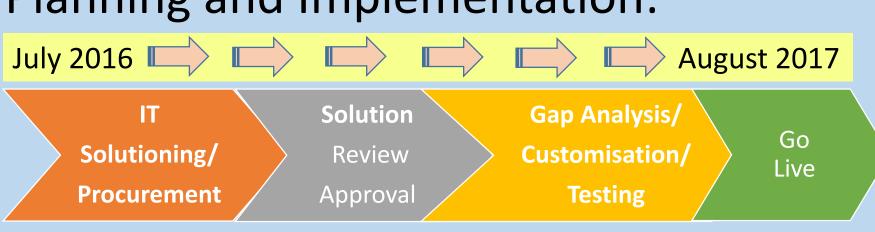
- **Security** to maintain donor anonymity and limit access by authorised staff
- *Traceability* for accurate tracking of human milk from time of donation to consumption by recipient and enhancing the workflow of milk processing.

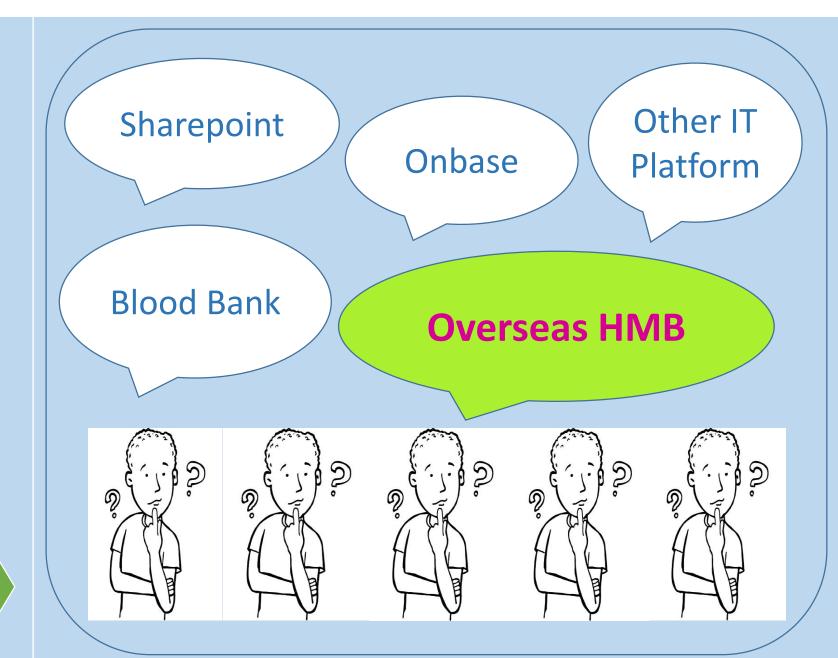
IT Solution Sourcing

Challenges:

- milk bank is a niche area
- no available local system for human milk bank

Planning and Implementation:





Overseas Solution:

- a ready solution implemented in Australia, Perth
- complies with international standards for human milk bank
- customization to suit KKHMB work process:
 - gap analysis carried out to identify changes required to customize and localize the overseas system
 - major changes made to donor registration, milk order management and distribution
 - label printing on thermal paper were specially designed
 - the project team spent a month doing intensive testing to ensure that the customized system meets KKHMB requirements

Result - KK Human Milk Bank System implemented in August 2017.



Conclusion