# **Asynchronous Learning Support:**

## Developing Interactive E-Learning Modules for

Family Medicine Learners

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## Introduction

**Singapore Healthcare** 

Management 2019

- Family Medicine (FM) residents rotate to various hospital departments for broad based exposure, and this occurs at different periods throughout the academic year.
- An e-learning platform would allow asynchronous learning on the various topics at a time appropriate for the learner.
- FM ACP (Academic Clinical Programme) successfully obtained a grant for this project.

#### Aim

To create asynchronous learning resources that are relevant for FM learners and accessible in a timely manner.

## Methodology

Feb 2018

Formed WORKGROUP comprising FM core faculty



Mar 2018

- Selected 52 suitable FM core topics for development
- Identified first 6 TOPICS to work on

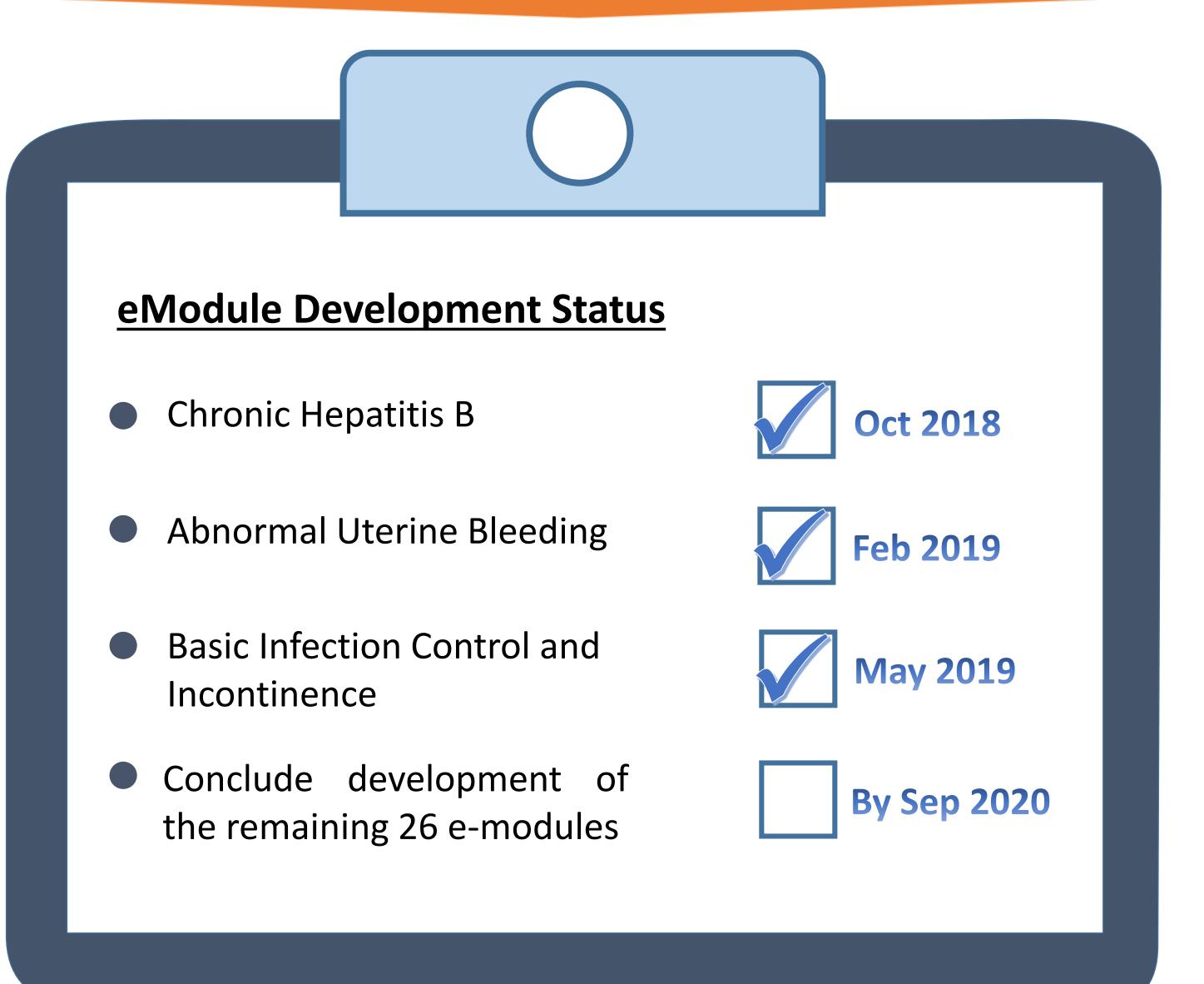
Apr 2018

- Invited Office of SingHealth Academy (OSHA) to share
  GUIDELINES on designing e-modules
- Updated STATUS on the 6 topics

May 2018 onwards

- PREPARATION of flow and content of shortlisted topics by faculty members and OSHA
- CONVERTING into e-modules using Articulate, an e-module authoring software
- UPLOADING to FM Residency learning management system for workgroup's REVIEW and FEEDBACK
- e-Modules SIGNED OFF as completed after review

### Results



Feedback will be collected upon rollout of e-modules to learners, and this information to be fed-forward improve subsequent e-modules to be developed.

#### Lessons learnt



Development of e-Modules requires familiarity with:

- Capabilities and limitations of the authoring software
- Learner engagement strategies, including types of learner interaction



Challenges encountered in e-module development include:

- Limitations in capability of *Articulate* e.g. lack of adaptive display for different devices, requirement for Flash capability of user devices, etc.
- Limited time and manpower
  - Workgroup members held multiple portfolios with other competing responsibilities
  - Timeline for e-module development was dependent on schedule of assigned media developer, who was concurrently handling other projects

#### Conclusion



Good initiative to

- Support FM learners during their training in a timely manner
- Promote self-directed learning
- Incorporate learning from initial e-module development process into subsequent training for content developers

Jan 2019

Updated STATUS on the 6 topics

Chose remaining 24 TOPICS for development