

Project Title

“How Civil Emergency-savvy are you?”: Quizzing Participants during a Table-top Exercise

Project Lead and Members

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Organisation(s) Involved

Singapore General Hospital

Project Period

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Project Category

New Pedagogy, Technology, Organisation Development, Education

Keywords

Singapore General Hospital, New Pedagogy, Technology, Organisation Development, Education, Knowledge Sharing, Civil Emergency, Preparedness Evaluation, Civil Emergency Response, Activation, Casualty, Organisation Planning & Performance, Operations Support, Psychological Support, Multi-Disciplinary Collaboration, Table-Top Exercise, Web-Based Response System, Mass Quiz, Multiple-Choice Questions, Discussion, Break-Out Sessions, Civil Emergency-Savvy, Assessment, Cross-Learning, Learner Feedback

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“How Civil Emergency-savvy are you?”: Quizzing Participants during a Table-top Exercise

(1) Background

Civil Emergency (CE) is an unforeseen event that results in many casualties within a short time, thus significantly stresses hospital’s capability in handling the surge. It is therefore crucial for both clinical and non-clinical departments to come together to ensure optimal CE operations.

SGH regularly conducts a Table-top Exercise (TTX) to evaluate preparedness of multi-disciplinary personnel in CE response. It also provides an opportunity for staff to appreciate and practise inter-departmental coordination of CE operations starting from CE activation and manpower recall, management of casualties, critical operations support, communications as well as psychological support.

The TTX typically consists of a general discussion and break-out sessions. The nature of this format does not allow for assessment on the responders’ understanding on CE operations. It also limits the number of responders to a maximum of 80 due to the need for effective discussion.

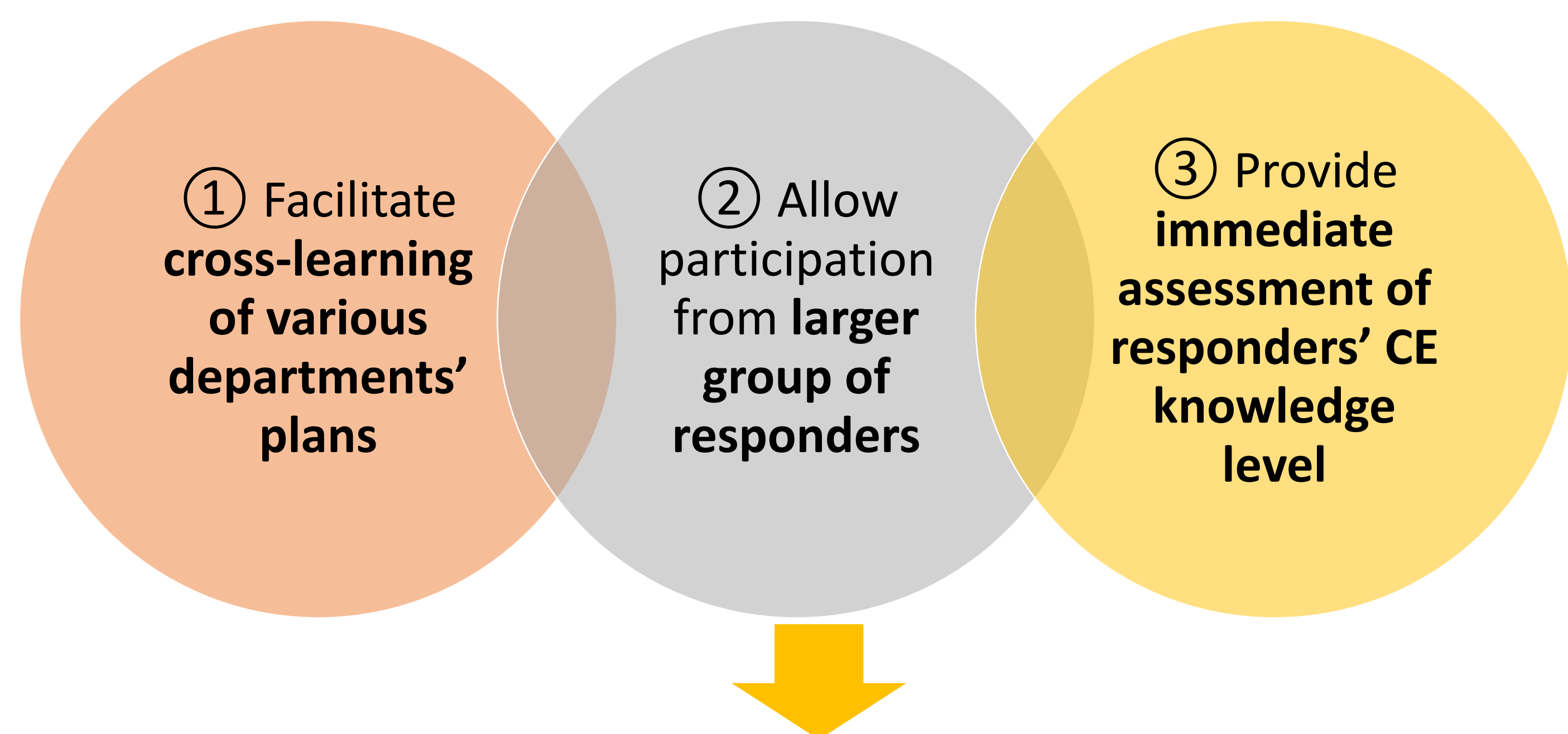
(2) Objective

This project aims to enhance the TTX program to achieve the objectives of facilitating cross-learning of various departments’ CE response plan, increasing number of responders, and providing immediate assessment of responders’ CE knowledge level.

(3) Methodology

With the objectives in mind, possible program modes were assessed based on its potential to trigger knowledge sharing, enable active participation and enlarge number of responders

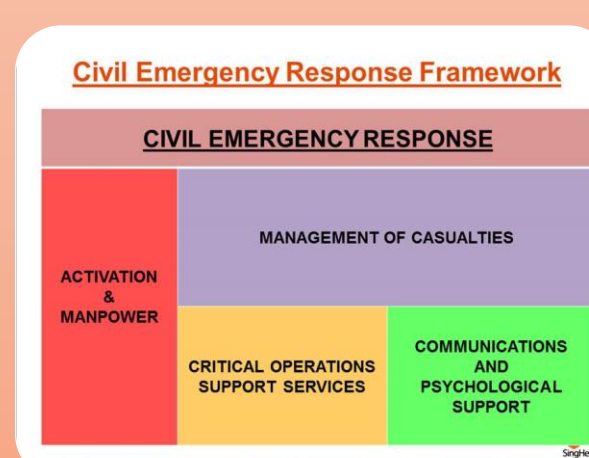
Objectives



Possible Mode(s)	Description	Estimated No. of Responders	Type of Participation	Knowledge Sharing
(a) Mass Quiz	Instant MCQ and results collation for clarification during the session	≥200 ●	Active ●	Good ● <i>Selected</i>
(b) Pre-TTX Assessment	Pre-session MCQ and results collation for clarification during the session	≥200 ●	Passive ●	Fair ●
(c) Lecture	Presentation to cover broad knowledge, without any assessment	≥200 ●	Passive ●	Poor ●

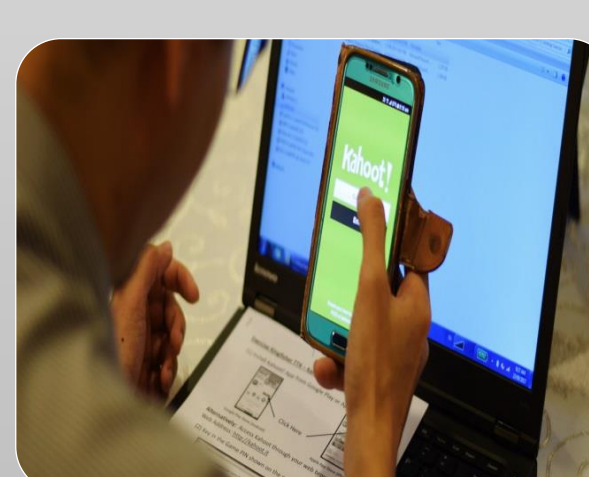
(4) Implementation

A Mass Quiz session with Multiple Choice Questions (MCQs) covering the breadth of knowledge on CE operations was selected and introduced as part of 2017 hospital-wide CE TTX’s program. Responders were required to submit response via a web-based response system (e.g., Kahoot!) using personal mobile devices.



1. MCQs covering breadth of knowledge on CE operations

- Questions were crafted to cover the breadth of knowledge on CE operations
- Each question was tagged to time limit to reflect stressful CE environment



2. Mass Response Submission

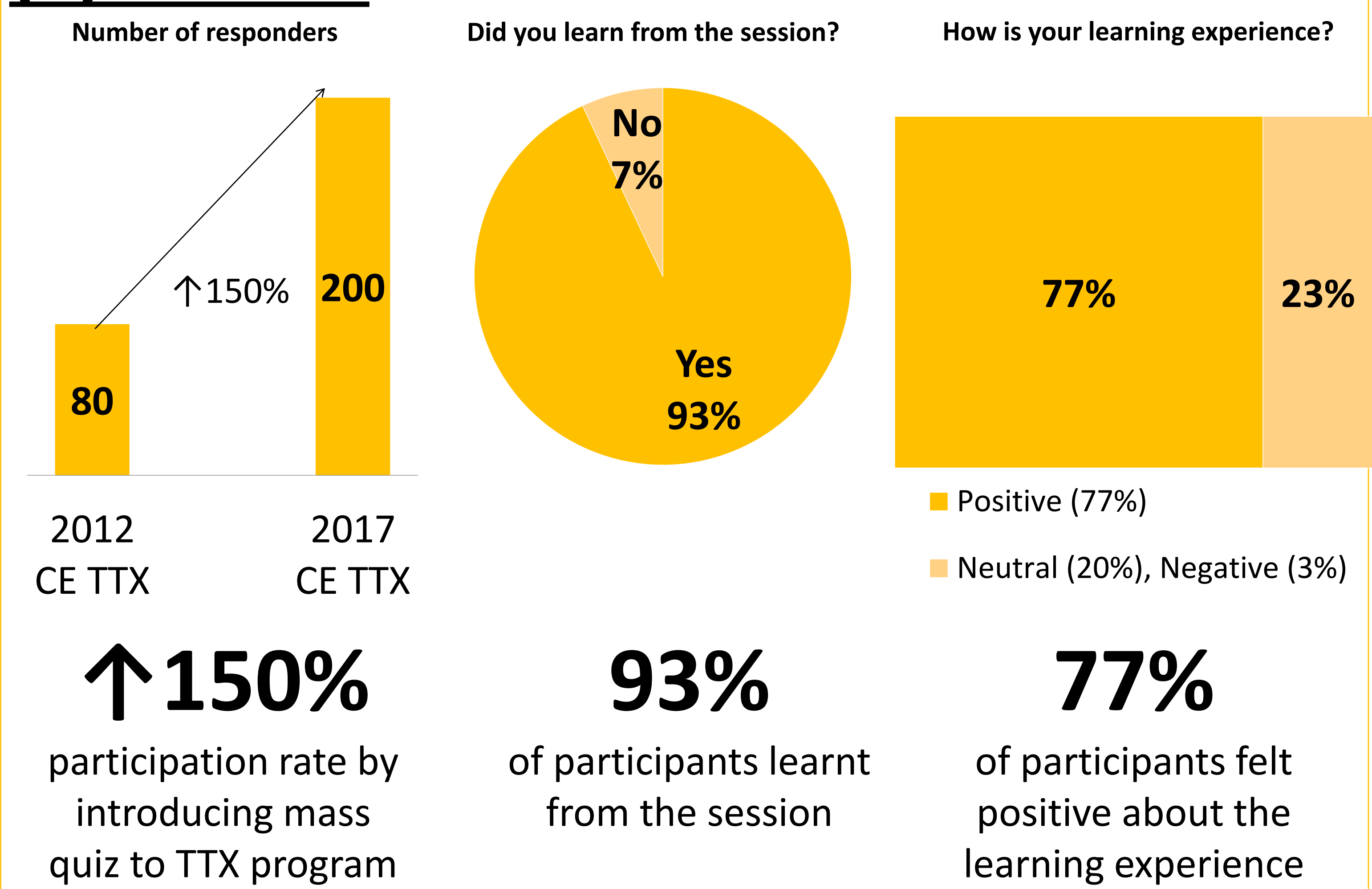
- Participants submitted response via a web-based response system using personal mobile devices
- Ticking timer were played to reflect better reflect stressful CE environment



3. Assessment of responders’ CE knowledge level

- Responses were instantly collated for immediate assessment on responders’ CE knowledge level
- Clarification were provided for questions which many answered incorrectly

(5) Results



(6) Conclusion



Introducing a mass quiz session with MCQs the breadth of knowledge on CE operations into a TTX not only facilitates the cross-learning of various departments’ plans in response to CE, but also increases the number of exercise responders. Instant collation of submitted responses provides immediate assessment on responders’ CE knowledge level.

The use of a free response submission system, such as Kahoot!, could be considered as a tool to facilitate the response submission.