

# QUIT ASAP TOOLKIT (JKWPKL&P) (NICOTINE MANAGEMENT TOOL KIT)

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## 1. INTRODUCTION

### 1.1 Problem Prioritization

- Malaysia became a signatory to the World Health Organization (WHO) Framework Convention of Tobacco Control (FCTC) on 23 September 2003 and ratified on 16 September 2005.
- Based on the National Strategic Plan on Tobacco Control (NSPTC), the medium term target to reduce this smoking prevalence in Malaysia to 15% by year 2025.
- Besides that, Malaysia in line with WHO NCD Global Target long term is to achieve the Endgame of tobacco <5% by 2040.
- Every government primary care health clinic provides smoking cessation services. The rationale behind this innovation is to improve the smoking cessation services in Malaysia.
- This tool is to enable healthcare providers to manage nicotine addiction among our patients.

### 1.1 What is QuitASAP Toolkit ?

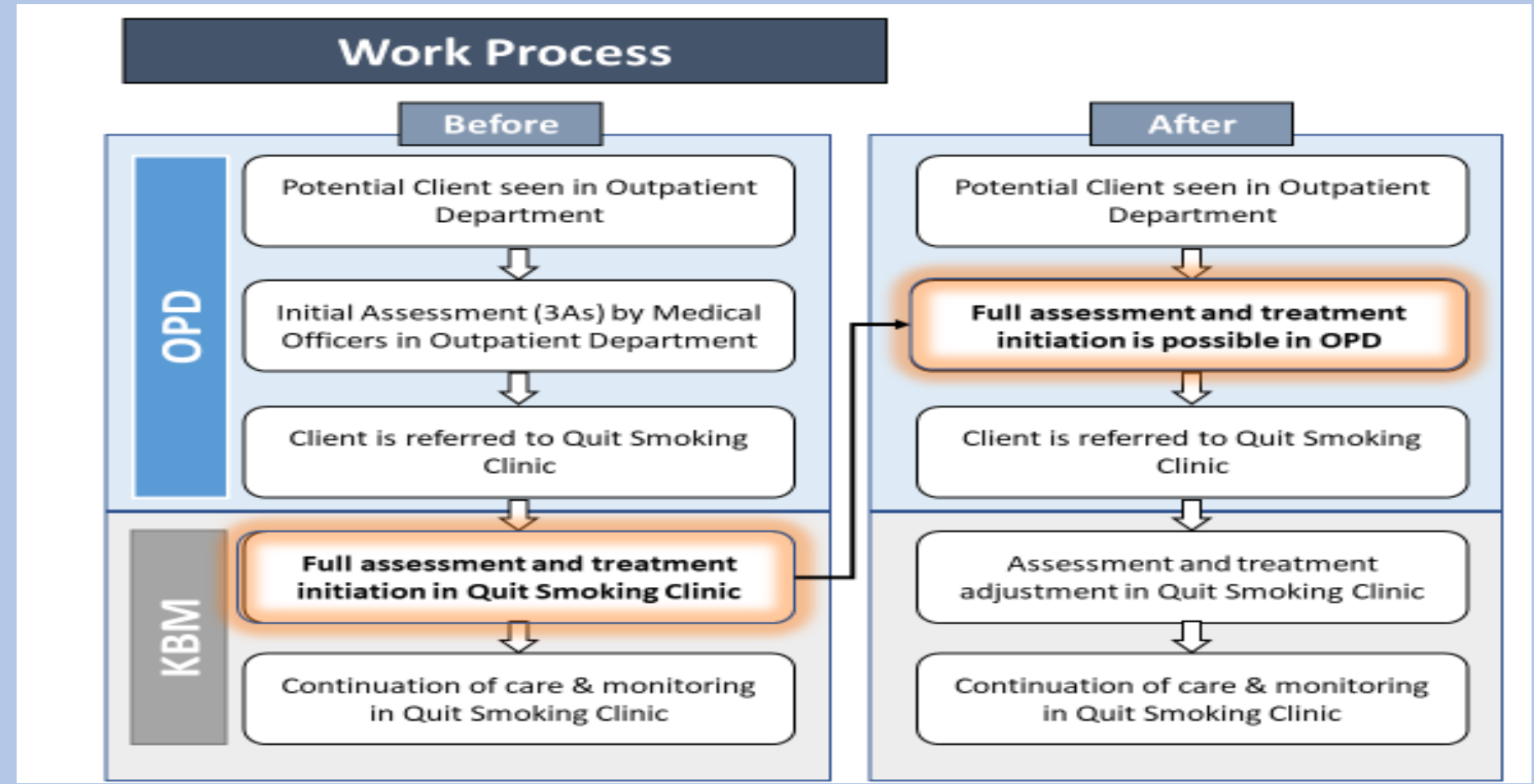
- QuitASAP 2.0 is a web-based toolkit developed to aid healthcare providers in three (3) main aspects of smoking cessation service including **counselling, assessment and treatment**.
- The first version of the toolkit has been developed by creating an algorithm based on 3 assessment components inclusive of Fagerstrom Score, Nicotine Intake, Stages of Change with 64 possible code combinations were matched with 8 possible treatments to create an algorithm.
- The second version was further improved by simplified codes and expanding treatment option to 11. **Counselling reference materials** were also added in this second version.
- The third version, **conversion into digital version (Microsoft Excel)** by using Conditional Formatting.
- The digital version is much more cost effective, time saving and easy to access. Based on feedbacks by users, the tool kit has been further develop into **web based platform (Quitasap.net)**.

### Objectives

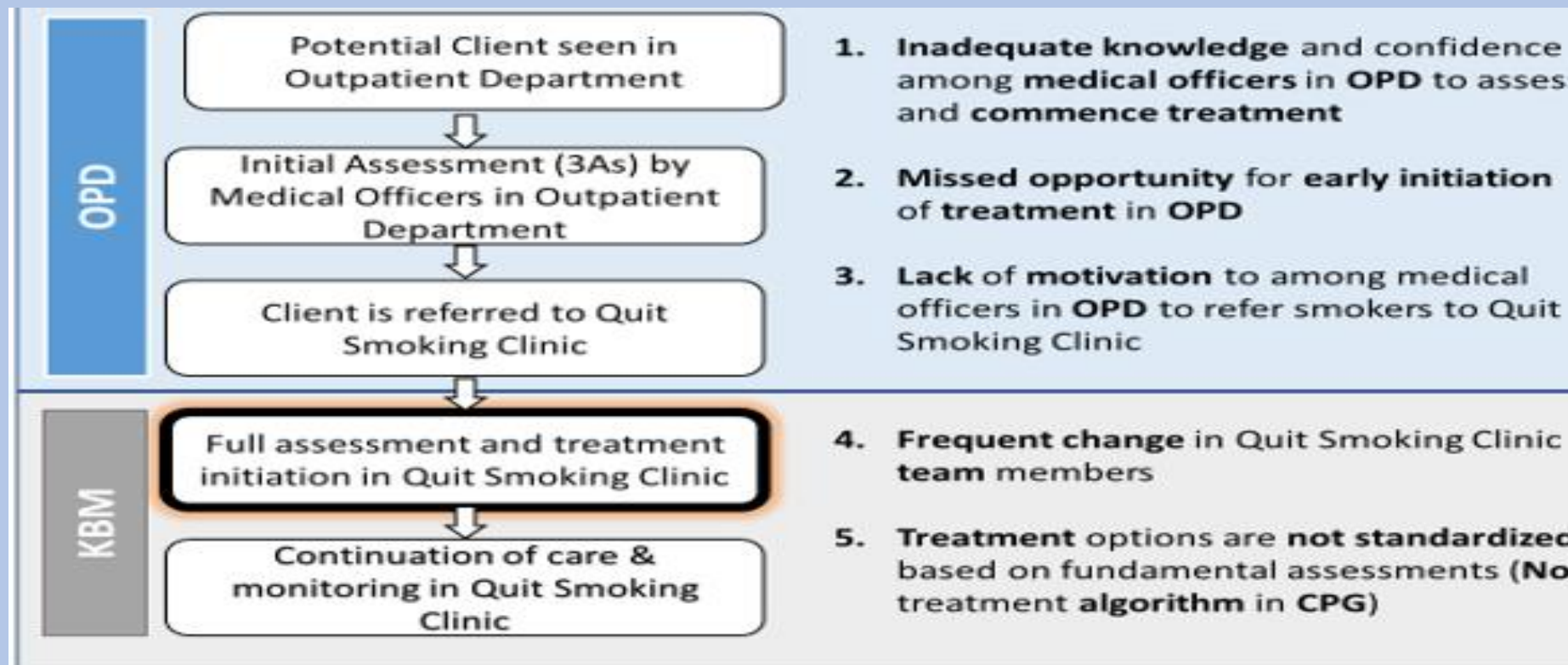
## Objectives of the Innovation Project

- To develop a **standard reference material**
- To provide a **compiled counselling material** (based on CPG)
- To utilize as an **training material**

## 2. WHY THIS INNOVATION CREATED?



### Issue Prior to Innovation



## Why was this innovation created ?

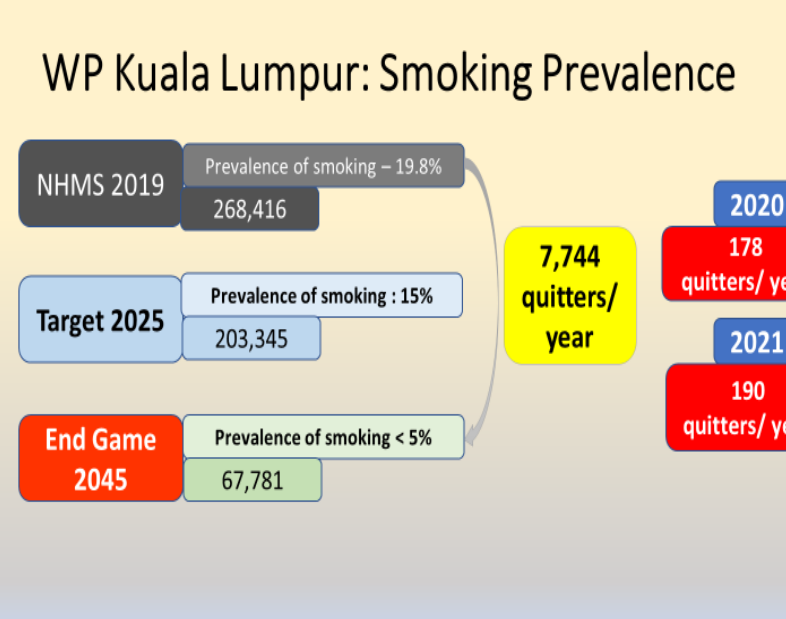
- Not all healthcare providers are familiar with Smoking Cessation Service
- Not all Health Clinics having successful Smoking Cessation Services
- Outpatient Department not initiating Smoking Cessation Treatment (confined to specific dedicated team)
- Long training time for newcomers
- Clinical Practice Guidelines has no algorithm to start treatment
- Lots of trial and errors in treatment (not cost effective and treatment is not appropriate)
- Poor and unstructured counselling conducted
- High staff turnover

## OUR GOAL FOR THIS PROJECT

- Maintain successful quit rate while recruiting more clients
- Empower more healthcare providers to initiate Smoking Cessation Treatment
- Provide material for counselling
- To encourage new Smoking Cessation Services to start
- Cost effective usage of medication

### RATIONAL FOR THE PROJECT

- Malaysia became a signatory to the World Health Organization (WHO) Framework Convention of Tobacco Control (FCTC) on 23 September 2003 and ratified on 16 September 2005.
- The National Strategic Plan on Tobacco Control (NSPTC) based on the WHO-FCTC:
  - medium term target to reduce this smoking prevalence in Malaysia to 15% by year 2025
  - long term target, in line with WHO NCD Global Target is to achieve 'Endgame' of tobacco (<5% by 2040)



### ACKNOWLEDGMENT

We would like to thank State Director of Health Kuala Lumpur & Putrajaya for supporting this project. Gratitude to medical personnels in health clinics for their commitment and support.

## 3. DEVELOPMENT PHASE TOOLKIT

### History of the Toolkit

This ALGORITHM is one of its kind, it created for the smoking cessation services management by our team. As below:

Three Assessment Component:

FAGERSTROM SCORE	NICOTINE INTAKE/DAY	STAGES OF CHANGE
0-3	0-10mg	9 Pre-Contemplation
4-5	11-20mg	10 Contemplation
6-7	21-30mg	11 Preparation
8-10	>30mg	12 Action

64 possible code combinations were matched with 8 possible treatments to create an algorithm

A	C1
B1	C2
B2	D1
B3	D2

Brainstorming: April – May 2021  
Development: June – July 2021

## Handwritten code combination & corresponding treatment options

### History of the Toolkit

Why this version was to be upgraded?

- Fragile
- Complicated codes
- Limited treatment options
- Lacking counselling material

Version 1  
Trial: July – Aug 2021

## Flipchart- Version 1

### VERSION 2

Implementation: Jan – Feb 2022

## Flipchart- Version 2

### KK TANGLIN'S NICOTINE ADDICTION MANAGEMENT TOOLKIT

## Microsoft Excel version

### KK Tanglin's Nicotine Addiction Management Toolkit

Well done for recruiting a client for smoking cessation

CHOOSE SMOKING PRODUCT THAT CLIENT USES

CIGARETTES / HEATED TOBACCO PRODUCTS

VAPE / ELECTRONIC CIGARETTES

For counselling methods, click the button below.

COUNSELLING AIDS

For additional references, click the button below.

QUICK REFERENCES

## Web based version <https://quitasap.net>

QuitASAP<sup>2.0</sup> is available at  
<https://quitasap.net>

### REFERENCES

- WHO Framework Convention on Tobacco Control .
- National Strategic Plan on Tobacco Control 2015-2020.
- Treatment of Tobacco Use Disorder .
- Garis Paduan Farmakoterapi Berhenti Merokok.

## 4. STRATEGIES FOR CHANGE

### FEEDBACK FOR VERSION 1

THE CODES ARE DIFFICULT TO LOCATE FROM THE MANAGEMENT CODE TABLE

TREATMENT OPTION WERE GOOD BUT NEED TO CREATE MORE OPTIONS

NO MATERIAL FOR COUNSELLING AVAILABLE

### FEEDBACK FOR VERSION 2

Requires more time and energy (cost) by application

Updating information is a tedious process

Need needs to be used by more users in facilities

Dr. Nur Faizah (NFC) presented this project to Tobacco Pengaruh Kesehatan Negara (Tobacco Health Awareness in the National Working Group meeting held on 23rd February 2022

Suggestion to develop a digital edition of the tool kit was proposed

Digital Version

- Conversion to Microsoft Excel
- Algorithm of the toolkit as a Conditional Formatting
- Suggestion to develop a digital edition of the tool kit was proposed

Development: Feb – Mar 2022  
Trial: Feb – Mar 2022

## 5. EFFECTS OF CHANGE

### Work Process

Before: Potential Client seen in Outpatient Department, Initial Assessment (3As) by Medical Officers in Outpatient Department, Client is referred to Quit Smoking Clinic, Full assessment and treatment initiation in Quit Smoking Clinic, Continuation of care & monitoring in Quit Smoking Clinic.

After: Potential Client seen in Outpatient Department, Full assessment and treatment initiation is possible in OPD, Client is referred to Quit Smoking Clinic, Assessment and treatment adjustment in Quit Smoking Clinic, Continuation of care & monitoring in Quit Smoking Clinic.

### Time & Cost (Physical Version)

- Time: Each version took almost 2 months to develop. It took the counselling, coding, testing, prototyping and including the final piece - 2-3 working days
- Cost: Hour of pocket money were used to purchase materials and tools in the clinic and office were used

### Time & Cost (Digital Version)

- Time: 2 weeks to develop using Microsoft Excel (Manual) and 2 weeks to develop using Microsoft Excel (Conditional Formatting)
- Cost: No cost involved other than internet installation or subscription of Microsoft Excel

### ACCESSIBILITY

- No production Cost
- Microsoft Windows operating system with Microsoft Excel (Double Menu)

### SECURITY

- Password protected (Microsoft Excel)

### Users Feedback

Already started sharing with other KK and focusing on the usage in OPD

Kit cannot be used in certain androids/ apple device

QuitASAP 2.0 has began planning & development of a web based platform.

Kit made into an apps can be easier to use than the current excel format

Nicotine content conversion (i.e how many sticks equals to how many mg)

To indicate the nicotine intake by "number of sticks" rather than by "mg". Suggest to have a reference on nicotine intake for vape users.

To include Champix counselling points too.

This has been added under the counselling section "Nicotine Content"

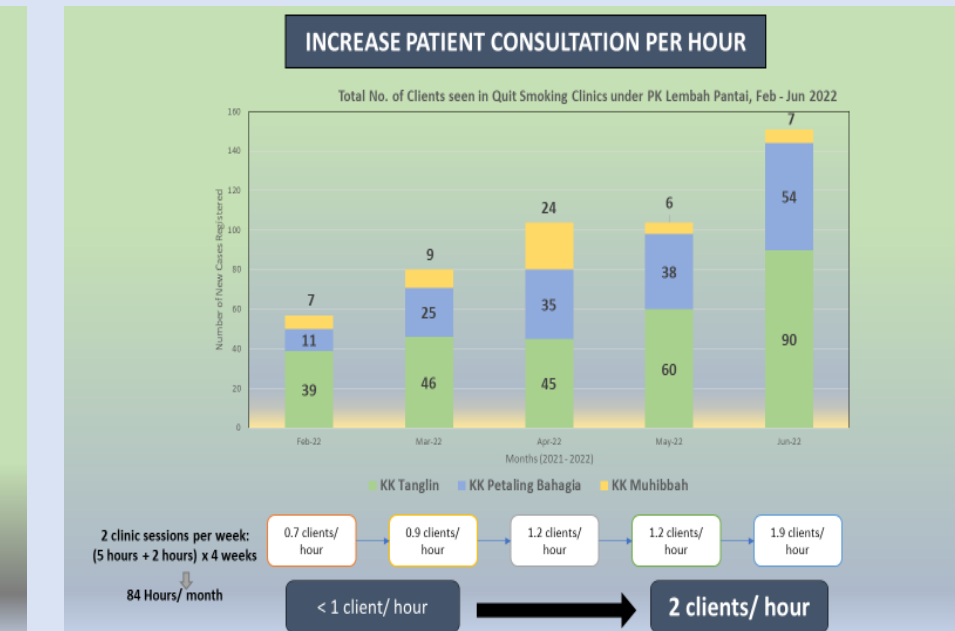
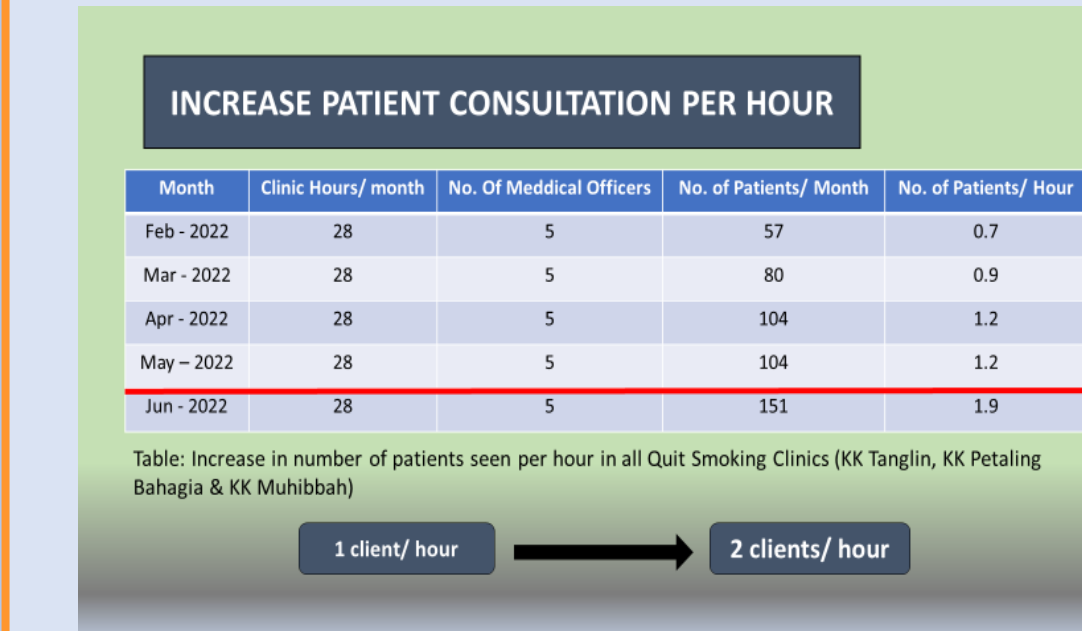
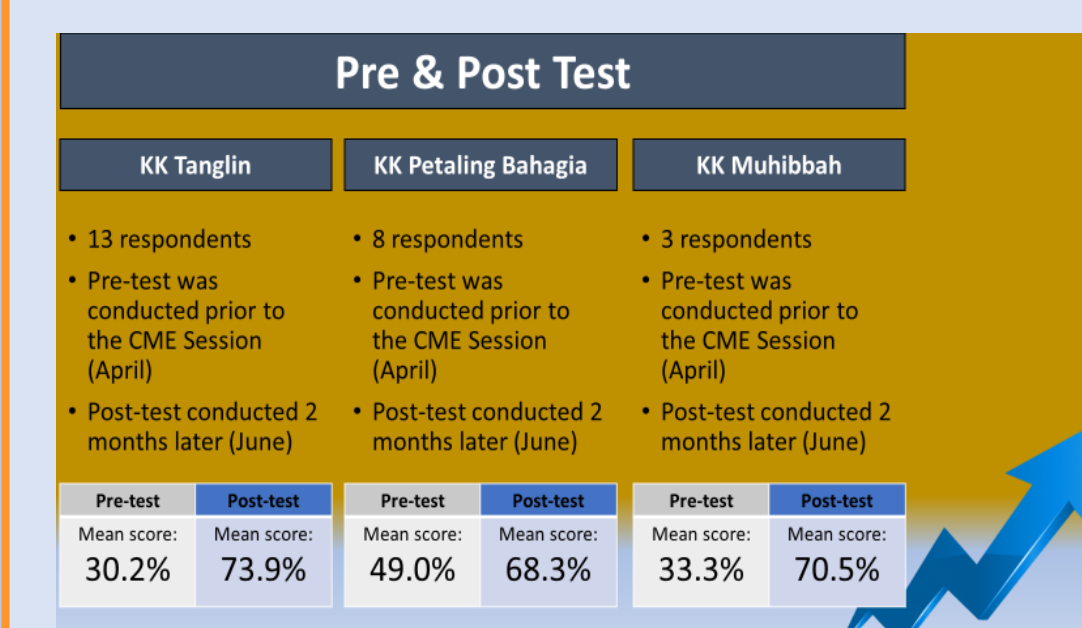
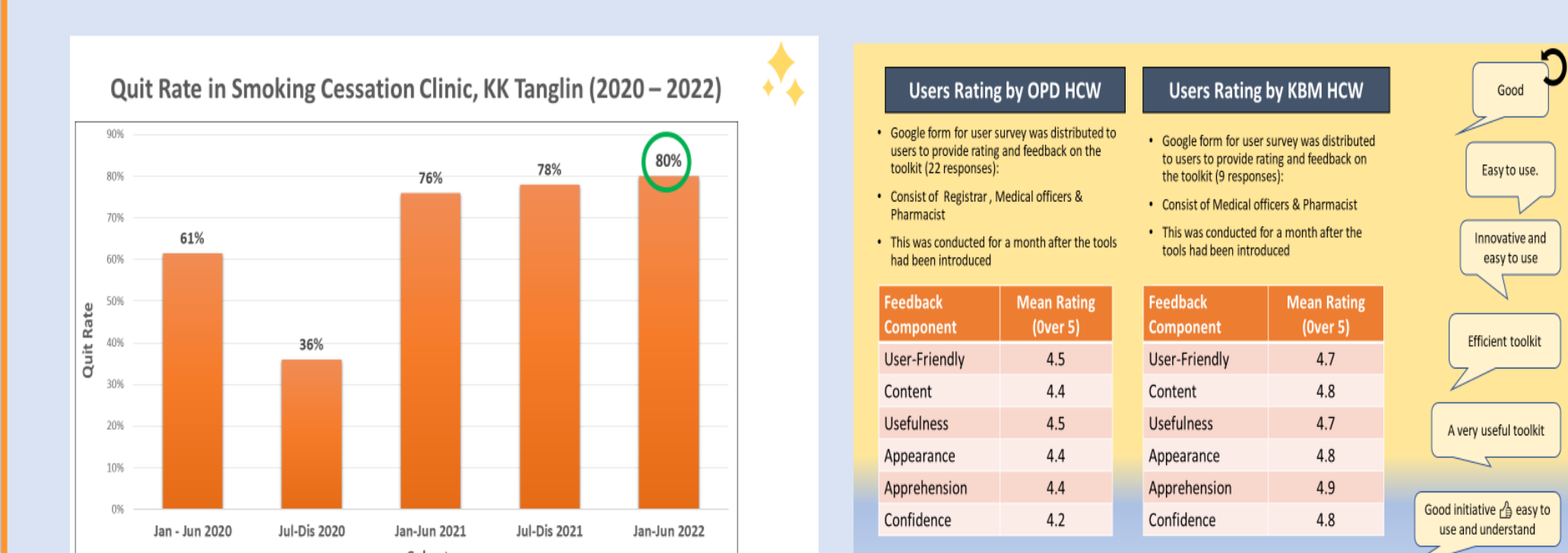
On the nicotine intake/day, preferably if put number of sticks/day instead of mg of nicotine and in case of vape (nicotine content) should be measured by CSC member

Added into counselling section "Varenicline"

## Real Benefits from the Project

- Healthcare providers are more confident to manage smoking cessation patients
- Improvement in score of management in health providers
- Enables recruitment of more clients
- Able to see more patients within the same clinic time
- Shorter duration for training and attachment for new smoking cessation health care provider
- An Interactive toolkit to engage healthcare providers

## 6. ANALYSIS & INTERPRETATION



## 5.1. OTHER IMPACTS OF THE PROJECT

## 6. CHALLENGES

- ### Challenges
- Not all health clinics are equipped with ICT facilities (Computers & Internet).
  - Co-operation & commitment from non-KBM HCP.
  - Inadequate supply of medications.

## 7. THE NEXT STEP

- ### The way forward
- To encourage more users in OPDs and work closely with Pharmacist for medication supply
  - To expand the usage of QuitASAP in more facilities (KBM & non-KBM facilities)
  - Continue refining the tool to improve user-friendliness and relevance
  - Include management for subsequent visits & relapse (Sustainability) - web-based - QuitASAP 2.0