

# Singapore's First Mobile Application on In-Vitro Fertilization (IVF)

Mor Jack NG<sup>1</sup>, Wai Tieng CHIN<sup>1</sup>, Limin KAM<sup>1</sup>, Christine Poh Leng LOH<sup>1</sup>, Diana Siew Fui CHIA<sup>1</sup>, Choon Keat LEE<sup>2</sup>, Heng Hao TAN<sup>1</sup>, Su Ling YU<sup>1</sup>, Hak Koon TAN<sup>1</sup>, Bernard Su Min CHERN<sup>1</sup>, Kok Hian TAN<sup>1</sup>

<sup>1</sup> OBGYN Academic Clinical Programme, SingHealth Duke-NUS Academic Medical Centre

<sup>2</sup> Integrated Health Information Systems, KK Women's and Children's Hospital

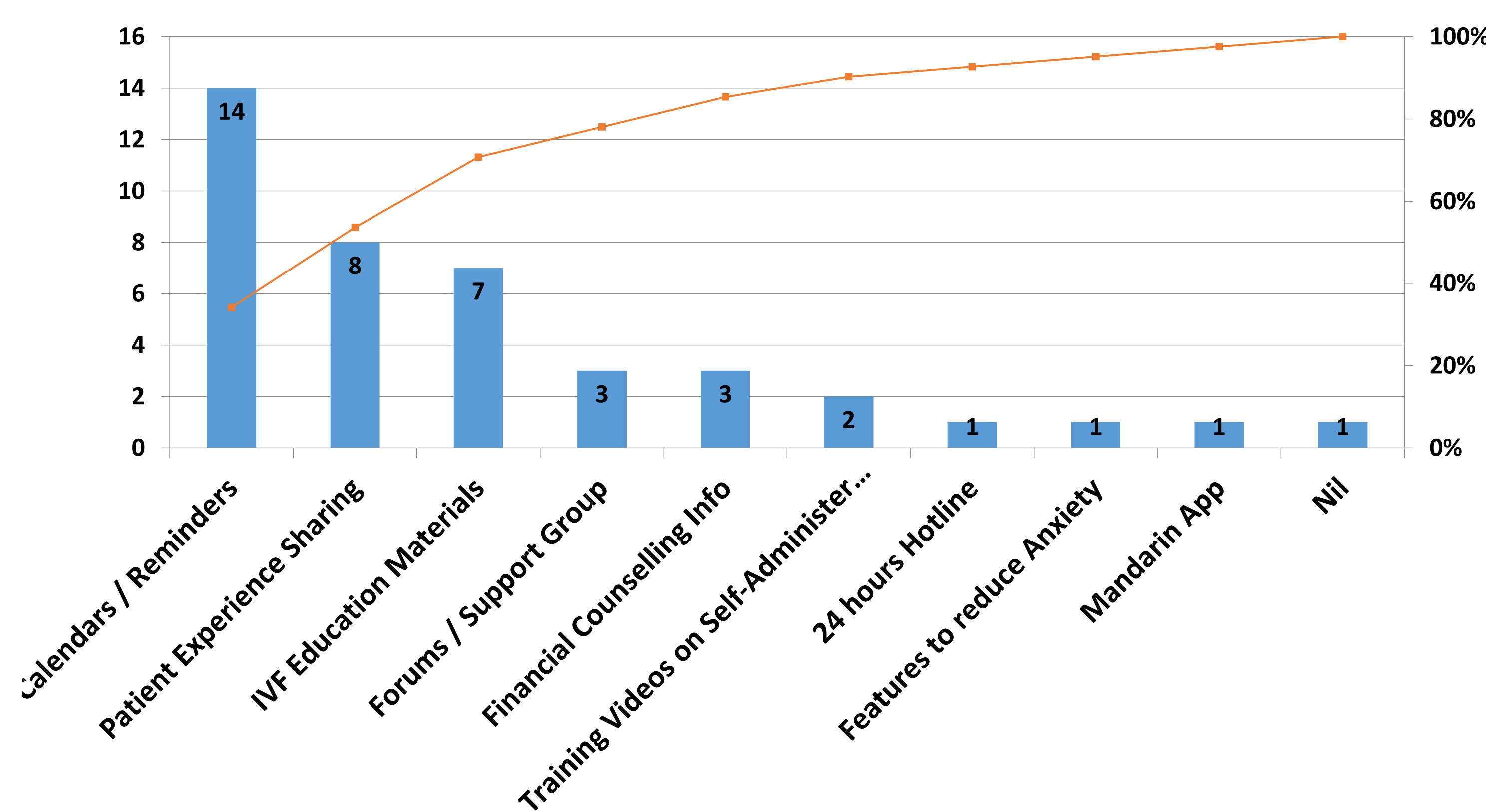
## AIM:

The aim is to assess patient and public's need for an IVF App. The secondary aim is to develop a patient centric App that caters to the needs of patient and public through a pre-development survey.

## METHODOLOGY:

A pre-development survey was conducted at KKH & SGH IVF clinic. 82 (80.3%) of the respondents strongly agreed that it would be helpful to have a mobile application on IVF. Majority of the 90 (93.1%) of the respondents are unaware of any such App on the market.

**Qn8: Info/Feature that you would like in an IVF App**



The survey further revealed that respondents would like to suggest following features to be included in the development: Calendars/Reminders, Education Materials, Financial Information and hospital appointment hotline related information.

## RESULTS

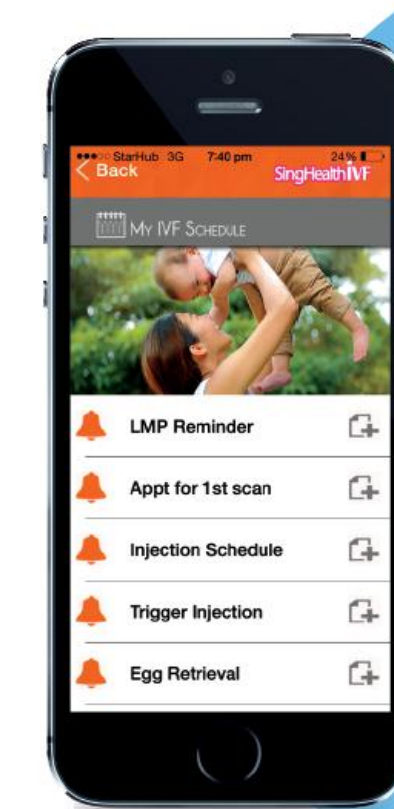
The team has reviewed and incorporated the suggestions. The IVF App developed includes the following features:

- My IVF Schedule: Simple interactive inputs to remind patients of key events/milestones during their IVF cycle in calendar & reminder format.
- IVF Education: General Information on in-vitro fertilization to patients and couples considering IVF.



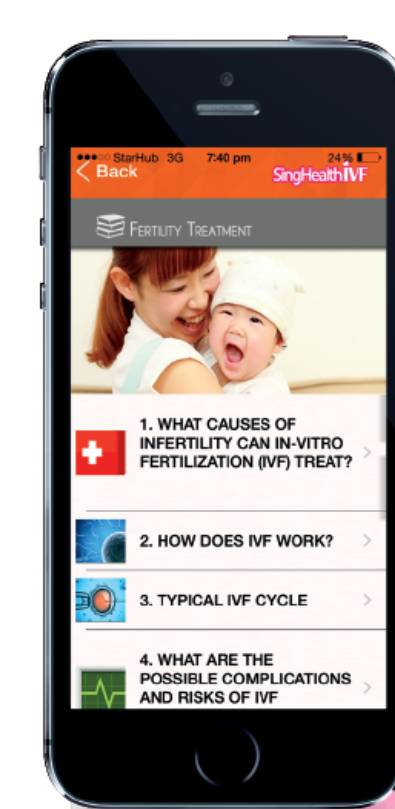
- FAQ: Frequently asked questions on IVF including treatments and financial information.
- IVF Calculator: Calculating your gestation age of embryo based on your ovulation date.
- Contact Us: Operation hours and telephone numbers for IVF consultation and enquiries at KK Women's and Children's Hospital and Singapore General Hospital.

Jointly designed and developed by SingHealth Duke-NUS Obstetrics & Gynaecology Academic Clinical Programme (OBGYN ACP) and KKH Integrated Health Information Systems (IHIS) team, the App is both available on Android and iOS platform.



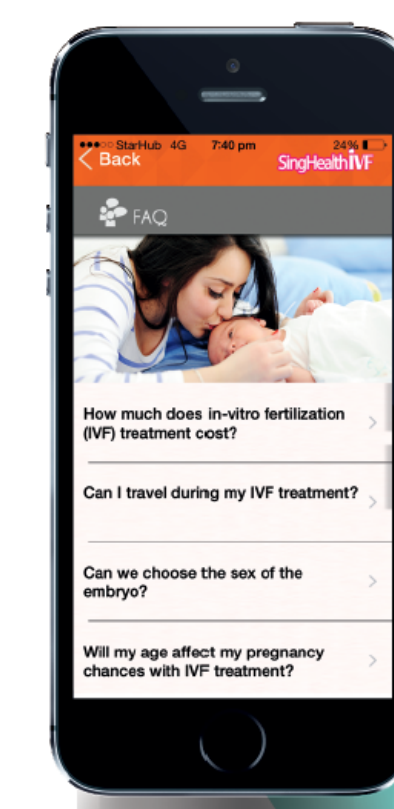
### My IVF Schedule

Simple interactive inputs to remind patients of key events/milestones during their IVF cycle in calendar & reminder format.



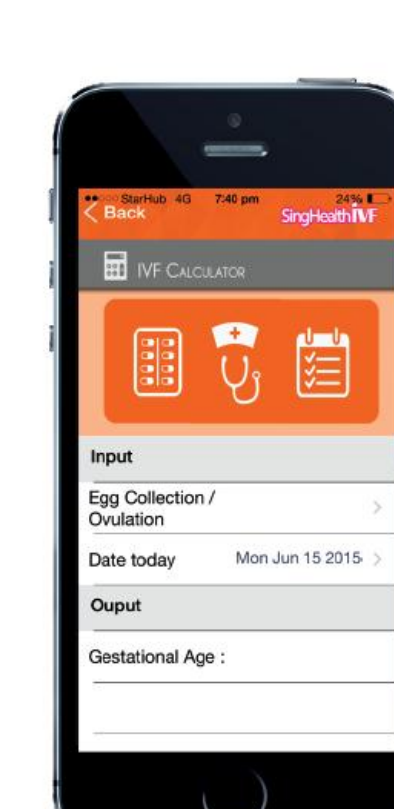
### IVF Education

General Information on in-vitro fertilization to patients and couples considering IVF.



### FAQ

Frequently asked questions on IVF including treatments and financial information



### IVF Calculator

Calculating your gestation age of embryo based on your ovulation date.



### Contact Us

Operation hours and telephone numbers for IVF consultation and enquiries at KK Women's and Children's Hospital and Singapore General Hospital.

## CONCLUSION

SingHealth IVF App is first of its kind in-vitro fertilization (IVF) App in Singapore. It will be available free for download. We have planned a post-launch survey to gather the feedbacks for further improvement.

