

Digitized IMNCI - a step for improved child health and nutrition

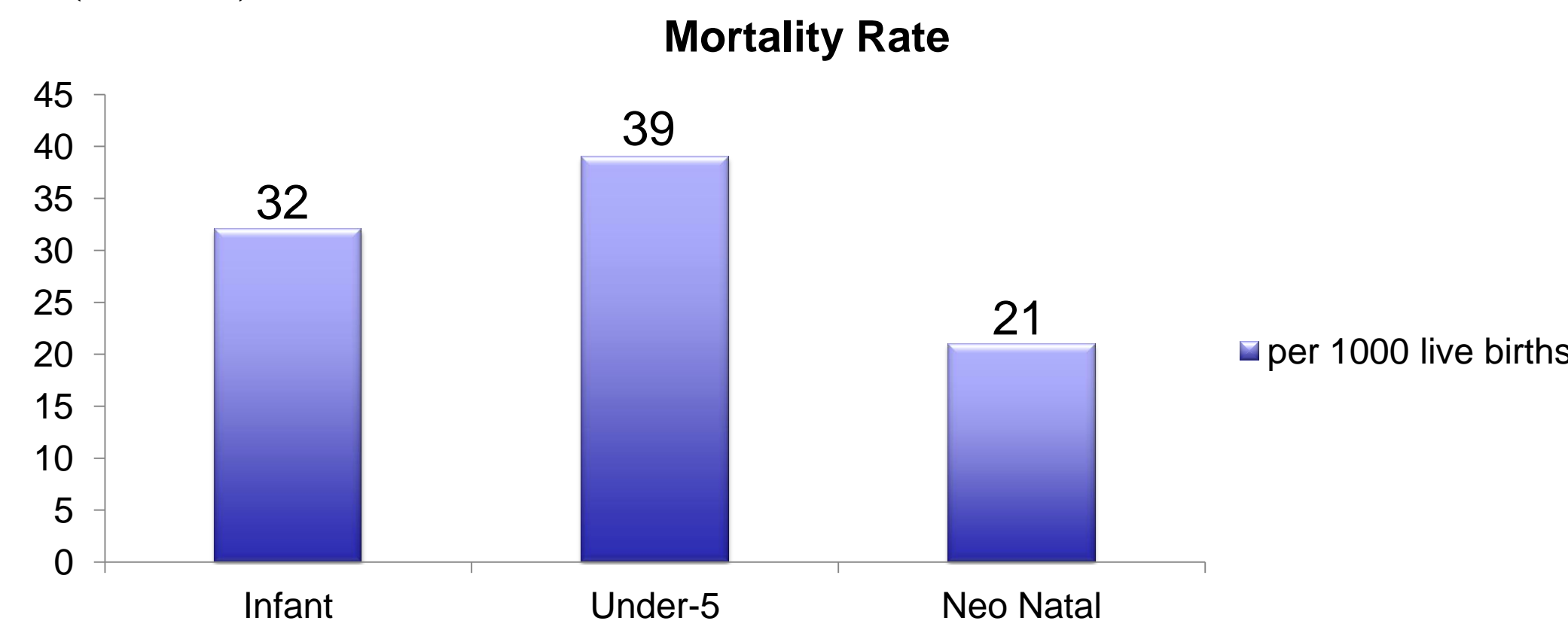
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Introduction

❖ Stats as per Nepal Demographic and Health Surveys (NDHS) 2016



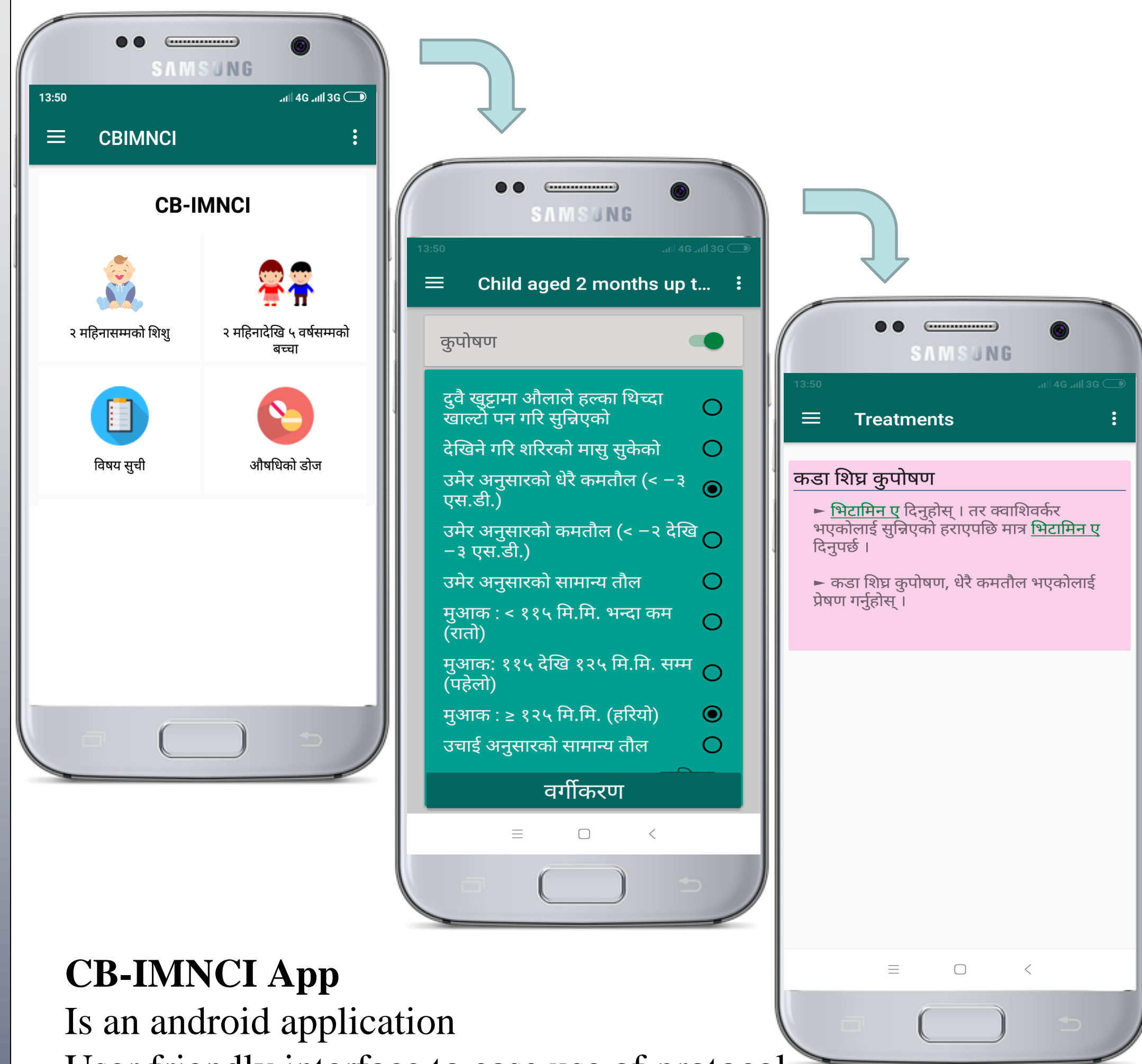
❖ Action By government to reduce child mortality

- Adopted CB-IMNCI Protocol
- Developed CB-IMNCI Booklet
- CB-IMNCI Training
- Has been successful in attaining CB-IMNCI objectives

❖ Limitation of CB-IMNCI Booklet

- Carrying booklet everywhere
- Difficult and time consuming for accessing contents
- Updating information on booklet takes time and money
- Delays in recording and reporting data

❖ Digital Solution



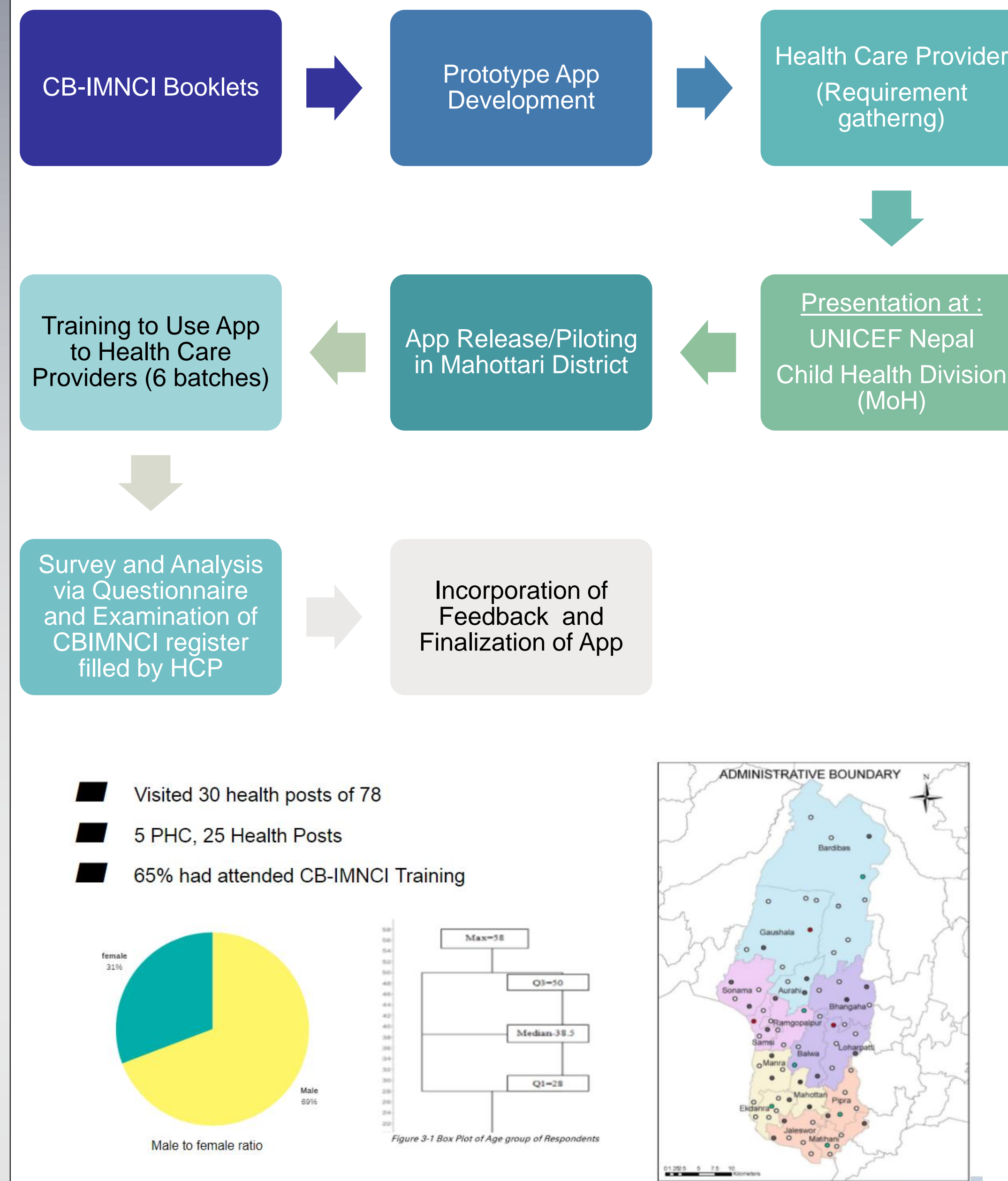
CB-IMNCI App

Is an android application
User friendly interface to ease use of protocol
Contains all contents of CB-IMNCI chart booklet
Reduce human errors

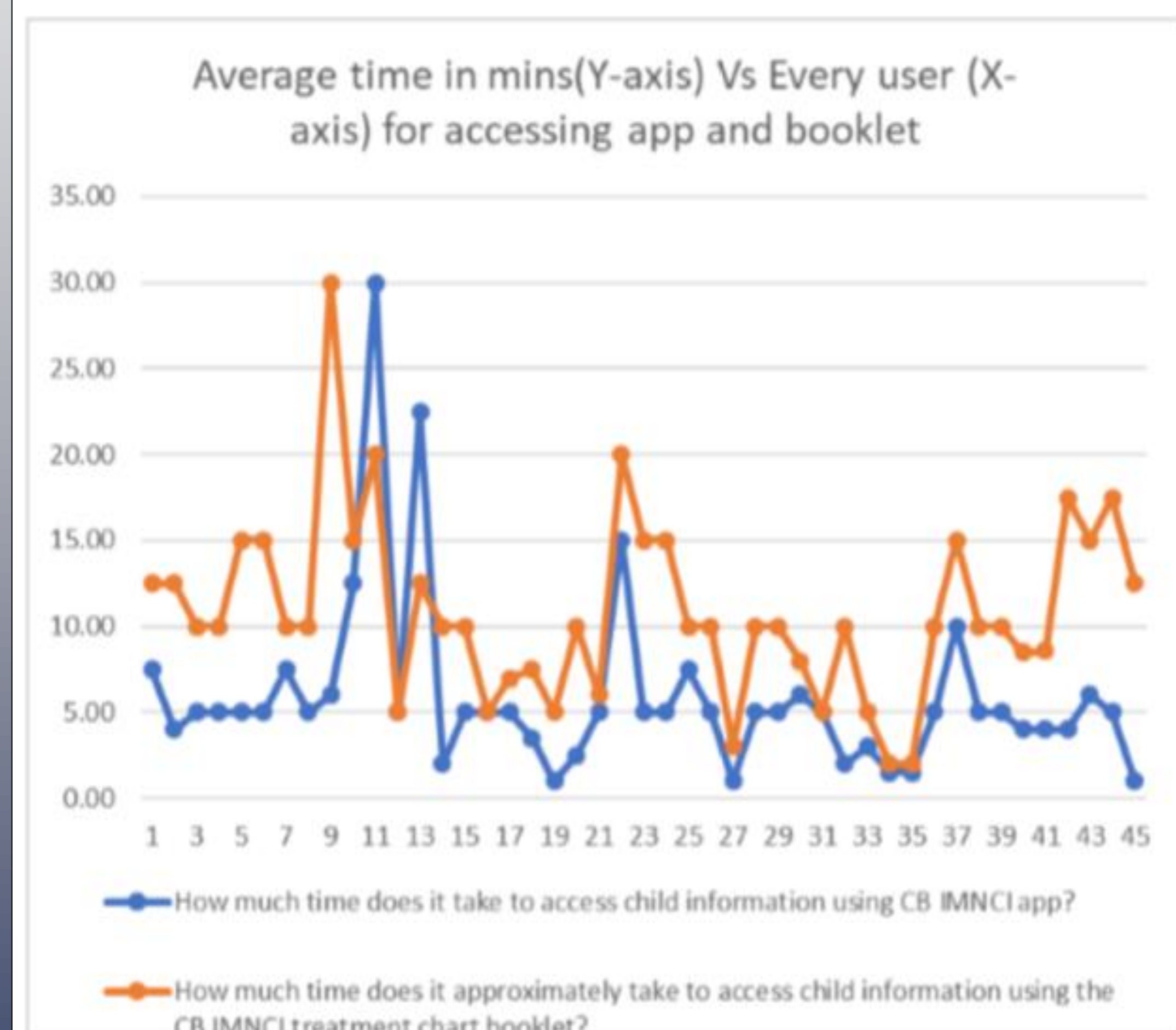
Objectives

- To develop an app based of CB-IMNCI protocol
- To analyze the usefulness and effectiveness of CB-IMNCI app for management of the sick child.

Methods

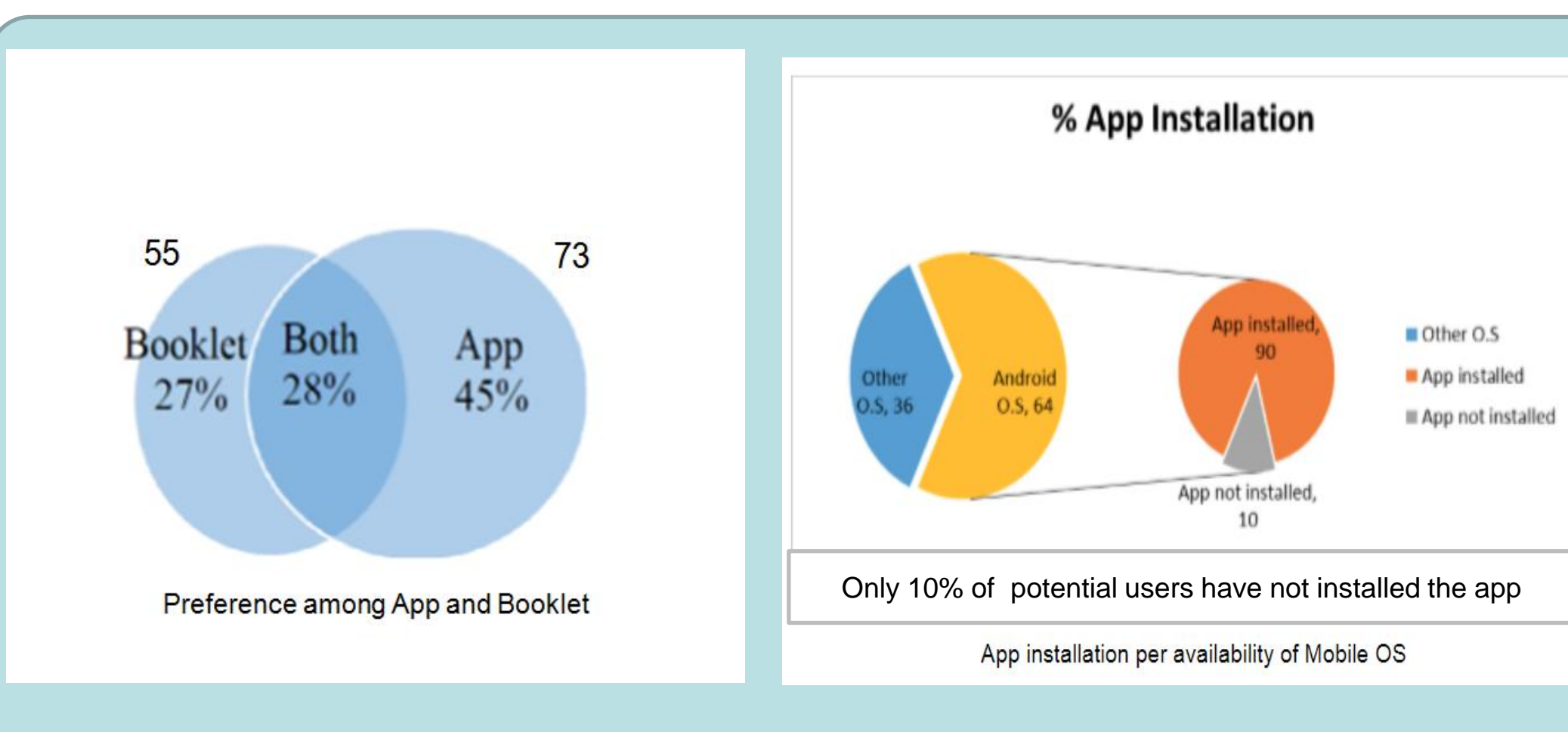
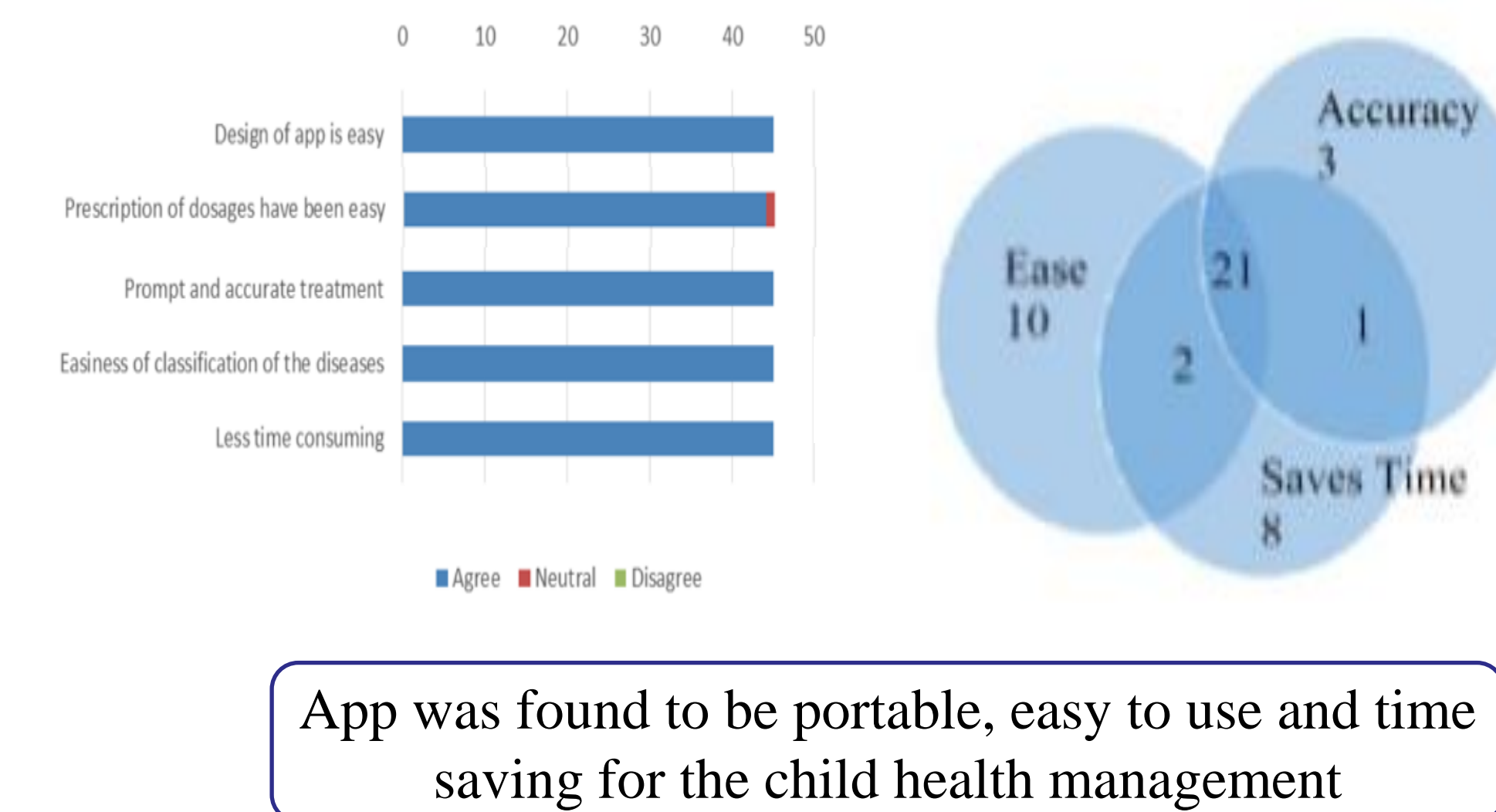


Results

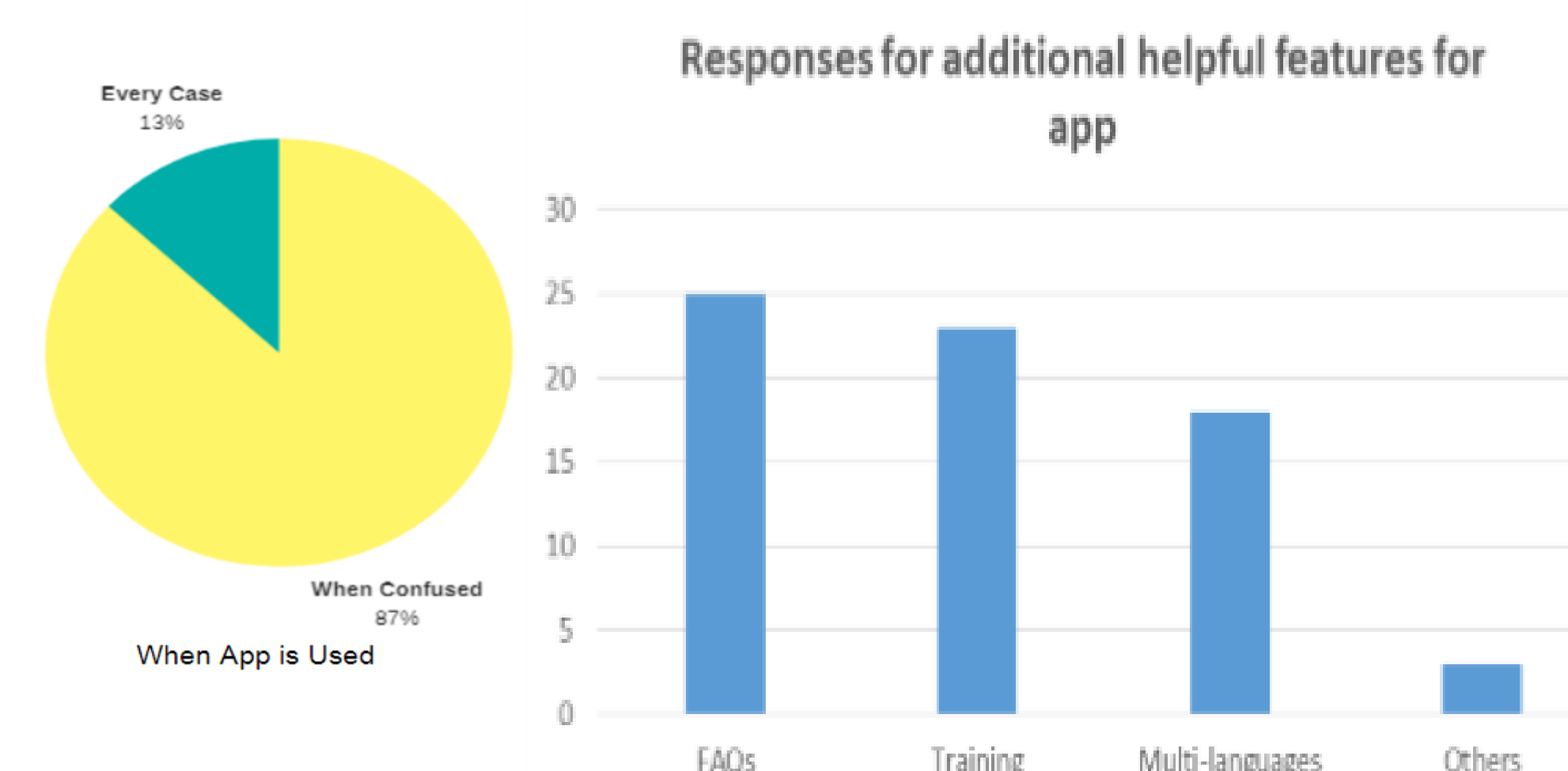
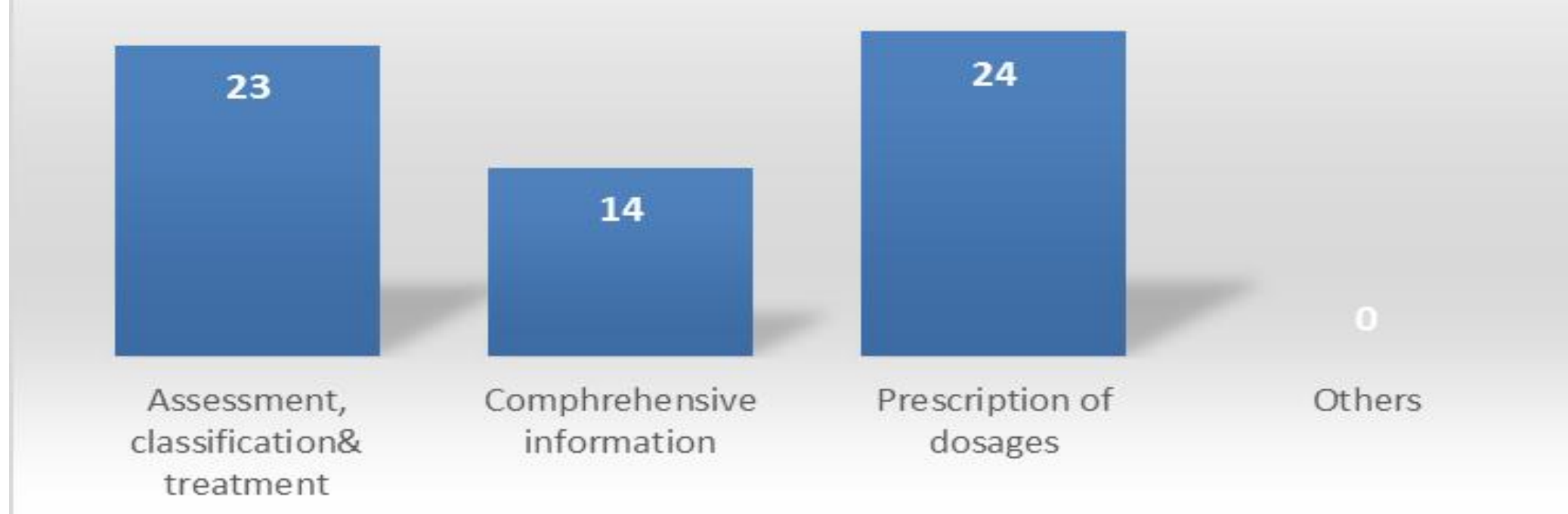


Average Time Using Booklet: 10.3 min
Average Time Using App : 5.9 min

Test of usefulness of App



Which features of app are more useful?



Key Findings

- The effectiveness of app after the impact assessment was found to be prominent as 90% of the total respondents owning android mobile phones had installed the CB-IMNCI app.
- They have found the app portable, easy to use and time saving for the child health management.
- Increasingly popular in short time period (as per the Google analytics, there are above 3200 monthly active users covered by 30-40% of the health workers in Nepal)
- 100% of app users found app useful because of Easiness, Time efficiency and Portability.
- Time to assess child has been reduced by 50%

Conclusions

- The app is a pioneer in child health sector.
- It is helpful to health workers in accessing the child health related problems including malnutrition
- App can be useful for providing information about child nutrition.

References

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