Session 11

Data Collection with Internet

Macau S.A.R. of China
Statistics and Census Service
Outlines

- Overview in 2016 Population By-census
- Overview in Data Collection with Internet
- Steps for Complete Internet Questionnaire
- Steps for Verify Internet Questionnaire
- Internet Questionnaire System
- DSEC Mobile App
- Monitoring
Overview in 2016 Population By-census
Overview in 2016 Population By-census

- Conducted over a period of 15 days
- Sampling fraction of one-seventh
- About 33,000 housing units
- About 800 enumerators
Overview in data collection with Internet

Data Collection System

- Mobile Questionnaire System
- Internet Questionnaire System
- Enquiry System
- Appointment System
- CATI
- DSEC Messaging System
Overview in data collection with Internet
Overview in data collection with Internet

- Conducted over a period of 9 days
  - Within the face-to-face interview period
- About 16.9% collected by Internet
- Methods for data collection with Internet
  - Internet Questionnaire System
  - DSEC Mobile App
    - iOS
    - Android
Overview in data collection with Internet

Internet Questionnaire System
DSEC Mobile App

Restful API

Data Collection Platform

Database API

Database Cluster
Steps for Complete Internet Questionnaire
Steps for Complete Internet Questionnaire

1. Receive the notification letter
2. Activate the Internet Questionnaire
3. Receive the verification code by mobile
4. Fill the questionnaire by reference number and verification code
5. Complete the questionnaire
6. Will call the household later for data verification
Steps for Verify Internet Questionnaire

1. Phone to the household for verification
2. Verify the verification code
3. Ask household basic characteristic data
4. Complete the verification
Internet Questionnaire System
Internet Questionnaire System

- Web
  - HTML5
  - AngularJS
- Responsive
  - Desktop
  - Mobile
- Multiple languages
- Questionnaire flow and validation
- Support Online and offline mode
- Data encryption
Internet Questionnaire System
DSEC Mobile App
DSEC Mobile App

- Publication
  - Latest release
  - Indicators
  - Statistics publication

- Data Collection
  - Online Questionnaires
    - Internet Questionnaire System
Monitoring
Monitoring

- Progress report
  - Complete
  - In progress
  - Never
- Notify staff
  - DSEC Messaging System
- Reminder
  - Remind household a few days before deadline (SMS)
Thank You