Key Features of E-diary for the Expenditure Survey in Korea

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Background of the E-diary

- **♦** HIES (until 2016)
 - Conducted monthly: keep a diary on a daily basis
 - Quarterly release of data
 - <u>Diary-keeping</u> method is used
 - Sample Size: 8,700 households
 - A sample was asked to keep the diary for 3 years

Introduction of the E-diary

- Developed the E-diary system in 2005
- Applied to the survey from 2006
- About 50% of the respondents used it in 2016

Main features of E-diary

[1] Conducted on the computer and the Internet

- Download E-diary Program & update it on a daily basis
- Transfer the data to NSO DB online every month
- Enumerators had reduced work to collect diaries



Main features of E-diary(2)

[2] Screen import solution

- Access bank or credit card accounts, import data to the respondent's diary
- Easy to update the diary
- Reduce missing data



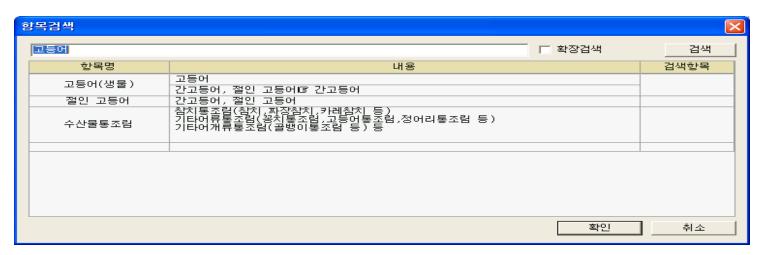
Bank & credit card accounts

One-stop access & import

Main features of E-diary(3)

[3] Code search engine

- Data is classified by respondents using the code search engine
 - ✓ Reduces coding error
 - ✓ Saves time for enumerators

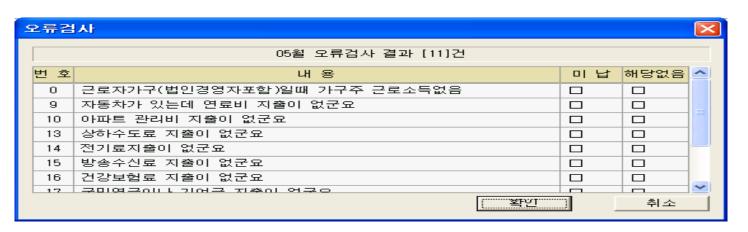


Search box and result

Main features of E-diary(4)

[4] Automated editing system

- Editing system is applied to the E-diary
- Data checking & correcting occurs when respondents enter the data
- ✓ Reduces response error & Saves time for enumerators



Response Error message

Main features of E-diary(5)

[5] Diverse economic data for the respondents

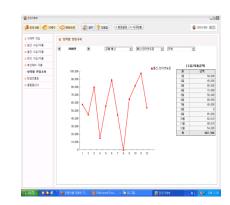
- Table & graphic analysis reports for the respondent households expenditures
- Sample households can assess the level, structure & trend of their own economic well-being



Table report



Graphic report



Trend report by item

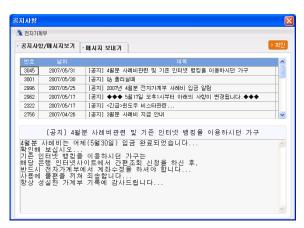
Main features of E-diary(6)

[6] Online & mobile contact point

- Mobile message service & online notice board
- Respondents & enumerators are able to contact each other freely



Mobile message service



Notice & message board

Advantages and Limitations

Advantages

- Increased convenience of records keeping
- Reduced non-sampling error
- Better tool for households hard to reach in the daytime

Limitations

- Some age groups are not used to electronic system
- Less detailed classifications and higher minimum unit value by respondents in comparison to paper-diary by interviewers