







Health Policy Development Program 21 November 2012

- CHTs play an important role in informing families of their health risks and needs,
 PhilHealth benefits and responsibilities
- Deployment has been delayed due to lack of resources to reproduce forms and other materials, time-consuming generation of reports
- HPDP developed the iCHT system to address this operational bottleneck

INTRODUCTION

Will the iCHT be more costbeneficial than using paper-based forms and materials in performing CHT functions?

RESEARCH QUESTION

- Determine the potential of the iCHT system to improve the performance of CHT
- Estimate the cost-benefit ratio of the iCHT system versus using paper-based forms and materials in performing CHT functions

OBJECTIVES

- iCHT system developed, pilot testing conducted in Barangay Tumana, Marikina City
- 60 CHT members (assigned a total of 2,515 families or around 40 each) trained in using iCHT
- 18 CHT members randomly selected, subjected to time and motion analysis

METHODOLOGY

- Costs estimated in terms of:
 - Training
 - Materials
 - Household visits
 - Data processing and reporting
- Annual cost estimate of using iCHT and paper-based forms calculated and compared; extended to a hypothetical cohort of 10,000 families

METHODOLOGY

- Cost-benefit ratio of iCHT vs. paper-based approach calculated using the formula:
 - = cost of using paper-based approach cost of using iCHT system

METHODOLOGY

- Time spent in engaging families using iCHT was shorter by 15 minutes
- Training cost equal for the two methods at PhP 1,500/CHT member
- Cost of materials for iCHT is lower at PhP 13,460/CHT member (vs. PhP 13,920)
- Data processing and reporting is quicker and less expensive using iCHT at PhP 3,420 (vs. PhP 51,300)

RESULTS

Cost Parameters	iCHT system	Paper- based approach
Training	63,000	63,000
Materials	807,600	835,200
Household visits	1,231,200	1,641,600
Data processing and reporting	3,420	51,300
Estimated cost for 2,500 families	2,105,220	2,591,100
Estimated cost for 10,000 families	8,420,880	10,364,400

- Using iCHT can save as much as PhP 2M annually for every 10,000 families; may be used to cover 2,500 more families
- CBR—1.23:1

RESULTS

The iCHT system is beneficial, in terms of lower costs and the lesser time spent in performing CHT-related tasks

CONCLUSION

- LGUs to invest in installing the iCHT system as part of CHT deployment
- DOH to help develop additional materials that can be included in the iCHT
- Conduct implementation research on the use of other tablet PC based applications for use in KP/UHC (e.g. electronic medical records, telemedicine)

RECOMMENDATIONS

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