



Adapting a Cost Model for mPowering Frontline Healthworkers

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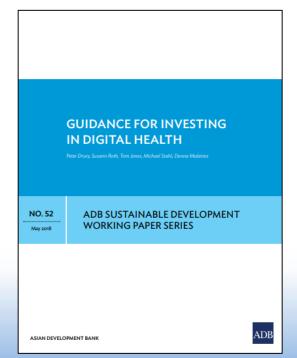
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Digital Health Focusing on \$\$









Why did we need a cost model?

- To justify funding requests
- To demonstrate financial savings in addition to efficiency, quality, etc.
- Because many people still think digital is expensive
- Cost savings are persuasive



http://health-orb.org

Our starting point



Showed potential cost savings of 42% of training costs for 100,000 CHWs

Cost Model

- Nigeria model included:
 - · Costs of training (trainers, lodging, per diems, classrooms)
 - · HW salaries
 - Management salaries
 - · Devices, solar and airtime
 - Inflation and HW attrition
- Updated the model to include:
 - costs of content adaptation
 - costs of technical support to platform
 - · costs for full device replacement every 3 years
 - allow for cost sharing with other projects
- Summary: Using blended learning approach was cost neutral or less expensive under a variety of scenarios

Scenarios & Results

# of HWs	Length of training	Device cost	Cost share	Savings on training and supplies
14,000	3 months	\$200	0	3%
14,000	6 months	\$200	0	22%
14,000	6 months	\$150	0	25%
100,000	6 months	\$200	0	22%
100,000	6 months	\$150	0	26%
100,000	6 months	\$150	50%	33%
100,000	6 months	Airtime only	50%	38%

Additional considerations

- · With a fully electronic enabled workforce:
 - Improved HW performance as access to information anytime, anywhere
 - Improved communication/coordination
 - Reduced costs of data collection
 - · Improved metrics on learning material usage
 - Reduced costs of adding new projects, programs and platforms (captured in Scenarios 6 & 7)
 - Emergency Response being able to quickly push out new content

Additional Considerations

- Model does not quantify benefits of:
 - Improved retention of training materials
 - Better availability of information on usage
 - · Reduced time out of station for providers to attend training
- NB: Cost savings may be lower where per diems are not being paid

For more information, please visit www.mcsprogram.org

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