

OLPC Effectiveness Monitoring and Evaluation Plan for Health Impact

08/June/2009 Prepared by Dr. Musa Aziz M.D.

I. Background

It is our hypothesis that the XO laptop can be an effective tool to distribute messages to positively change behaviour towards health / hygiene. This can be a difficult subject to monitor as it concerns people's private homes including the woman's part of the home.

However we propose both quantitative surveying at regular intervals, a focus group and female medical student visitors to attempt to uncover as far as reasonably possible the impact of the OLPC project on health.

OLPC Afghanistan has developed a health activity containing information on basic hygiene, nutrition, common diseases / injuries, maternal / child health and more which is installed on all XO laptops distributed with information in English, Dari and Pashto (National languages of Afghanistan). The materials have been developed in co-operation with the Public Health Institute of the Ministry of Public Health.

II. Goals and Objectives for monitoring:

- A. Goals
- To see the Effectiveness of Health Activity in XO on the community
- B. Objectives
- To see and measure the effects of OLPC on health economy of the families where XO is deployed
 - To see and measure the effects of OLPC on decreasing incidence of diseases.
 - To see and measure the effects of OLPC on increasing health knowledge of the families where XO is deployed.

III. Monitoring Tasks

Monitoring and assessment of Health economy

Monitoring actions:

- Female medical students will be hired as monitors and they will select a focus group of 20 from parents of the kids from (4th, 5th and 6th) grades and do the assessment by visiting them at their houses.
 - Every parent should report how often members of the family visits nearby primary health care clinic or Hospital.
 - How much they normally spend on health problems monthly (all costs including travel costs, lost income etc.)

- The results from monitoring will be entered in database for every kid and the expenditure on health issues plus additional expenditure related to poor health will be counted for every kid, percentage of progress will be counted after 2nd and 3rd evaluations.

B. Monitoring and assessment of frequent diseases which can be prevented easily by understanding basic hygiene rules.

- Monitoring team will visit the focus group (4th, 5th and 6th) grads and do the assessment as designed
 - the parents will be asked about the hygiene situation at their houses.
 - Frequency of common diseases (Diarrhea, Amoebiasis and other diseases causing dysentery, food poisoning, skin infections, dental diseases and infections..etc)
- The results from monitoring will be entered in database for selected kids and progress will be counted

C. Monitoring and assessment of Health education.

- Monitoring team will go to the school and assess kids from (4th, 5th and 6th) grades.
 - Monitoring Team will provide the kids with prepared questionnaires designed to assess health knowledge of the kids.
Children will be assessed what knowledge they have about first aid and emergency help.
Children's level of knowledge will be recorded and will be compared with the results of next assessment.

Time line

- The first evaluation will occur shortly after deployment (28th of June - 2nd of July) second will be after 50 days considering the examinations and summer vacation (23rd August - 31st of August) and the last will be after one month (4th October - 8th October).

Reports of Monitoring

- Reports of every monitoring task will be prepared by monitors and a general report of every evaluation phase will be prepared as well.
- A final report will be prepared after the last evaluation phase, comparison of data collected from 3 phases and measuring the exact percentage of positive effects of OLPC project on Health education in Afghanistan

تهیه کننده تکنالوژی معلوماتی برای افغانستان | افغانستان لپاره د خیرتیایی تکنالوژی برابرانکی

1st Street Kart-e Se | House no.5 |
Opposite to Habibia High School |
Kabul | Afghanistan

کوچه اول کارته سه | خانه شماره ۵ |
مقابل لیسې حبیبیه |
کابل | افغانستان

د کارته سه اوله کوچه | کور نمبر ۵
| حبیبیه لیسې ته مخامخ
| کابل | افغانستان

Making IT Work for Afghanistan

Data management of OLPC monitoring and evaluation

- Monitoring data will be captured to an encrypted database / files in the OLPC Afghanistan office in PAIWASTOON and hard copies will be destroyed. Only those staff that need access for research purposes will have access to the database upon signing confidentiality statements.
- Anonymized reports on the effectiveness or otherwise of the XO on health will be made available as regularly as possible through the normal channels.

Research Contact

Anyone interested in undertaking further research on OLPC / Health impact is invited to contact Dr. Musa Aziz M.D. (musa@paiwastoon.com.af) – Technical Implementation Manager OLPC Afghanistan.