SWAP ANNUAL REPORT 2016

Contents
LIST OF ACRONYMS ..................................................................................................................... 3
SWAP’s VISION, MISSION, GOALS AND CORE VALUES ................................................................. 7
ACKNOWLEDGEMENTS .................................................................................................................... 8
1 PROGRMS .................................................................................................................................... 8
  1.1 USAID DIV ............................................................................................................................... 8
  1.2 HEALTH COMMUNICATION MARKETING - HCM ................................................................. 12
  1.3 ORPHANS AND VULNERABLE CHILDREN AND WIDOW SUPPORT ........................................ 13
  1.4 MUMIAS SUB DISTRIBUTORS .................................................................................................. 13
  1.5 SONDU WATER PROJECT ....................................................................................................... 13
  1.6 CERAMIC WATER FILTER PROJECT ..................................................................................... 14
  1.7 HOOG TIJD VOOR ANDERSOM / WILDE GANZEN ................................................................ 14
2 NETWORKS AND PARTNERSHIPS ............................................................................................... 14
  2.1 International meetings / conferences attended by Country Director ........................................ 14
    2.1.1 SEAD workshop & Annual Innovations in Health Care Summit ....................................... 14
    2.1.2 Women Deliver Conference .............................................................................................. 14
  2.2 strategic planning .................................................................................................................... 15
  2.3 Memberships .......................................................................................................................... 15
  2.4 Visiting organizations and donors in 2016 .............................................................................. 15
3 RESEARCH .................................................................................................................................. 16
  3.1 WATER FILTER STUDY ......................................................................................................... 16
  3.2 CUPS OR CASH FOR GIRLS TRIAL (CCg) .............................................................................. 16
  3.3 AFYA CREDIT INCENTIVE FOR IMPROVED MCH OUTCOMES ........................................... 16
  3.4 BABY DIAPERS STUDY ......................................................................................................... 16
  3.5 SE FLOW CHLORINE GENERATOR STUDY ........................................................................... 16
  3.6 SUSTAINABILITY OF P&G PURIFIER OF WATER IN SCHOOLS & CLINICS ........................... 17
  3.7 SCHISTOSOMIASIS STUDY .................................................................................................... 17
  3.8 WATER LAB .......................................................................................................................... 17
  3.9 CARE CONSULTING .............................................................................................................. 18
4 HR & ADMINISTRATION ............................................................................................................. 18
5 FINANCE ..................................................................................................................................... 18
Annexes ........................................................................................................................................... 20
Products Sales from Jamii Centers - Summary 2016 ..................................................................... 20
Published Papers – Research Findings - Evidence of Impact ......................................................... 21
LIST OF ACRONYMS

AfID  Accounting for International Development
AIDS  Acquired Immuno Deficiency Syndrome
ANC  Ante Natal Care
CCg   Cups or Cash for Girls
CSO   Civil Society Organization
CARE  Cooperative Assistance for Relief Everywhere
CDC   Centers for Disease Control and Prevention
CHP   Community Health Promoter
CHV   Community Health Volunteer
CU    Community Unit
DIV   Development Innovation Ventures
FBO   Faith Based Organization
FGD   Focus Group Discussions
FKE   Federation of Kenya Employee
GoK   Government of Kenya
HCM   Health Communication and Marketing
HENNET Health NGO’s Network
HIV   Human Immune Virus
HR    Human Resources
HWT   Household Water Treatment
ICC   Interagency Coordinating Committee
IPC   Inter Personal Communication
KEMRI Kenya Medical Research Institute
KEWASNET Kenya Water and Sanitation Network
KPPB  Kenya Pharmacy and Poisonous Board
LLITN Long Lasting Insecticide Treated Net
LSTM  Liverpool School of Tropical Medicine
MaPIA Maji Performance and Innovations Award
MCH   Maternal and Child Health
MoE   Ministry of Education
MoH   Ministry of Health
MPH   Masters in Public Health
MWA   Millennium Water Alliance
NESH  National Environmental Sanitation and Hygiene
NGO’s Non-Governmental Organizations
OVC’s Orphaned and Vulnerable Children
PI    Principal Investigator
PSI   Population Services International
PSK   Population Services Kenya
P&G   Procter and Gamble
SBCC  Social Behavioural Change Communication
SEI   Stockholm Environment Institute
SWAP  Safe Water and AIDS Project
SWS   Safe Water Systems
STI   Sexually Transmitted Infections
USAID United States Agency for International Development
WASH  Water Sanitation and Health
WHO   World Health Organization
FROM THE COUNTRY DIRECTORS DESK

SWAP finalized its 11th year of operations in 6 counties in Western Kenya. 2016 was yet another year packed with activities and research serving vulnerable communities in remote areas. SWAP entered into new partnerships and maintained existing ones including the close and cordial collaboration with the Ministry of Health and Education.

We are pleased to have been joined by Alex Mwaki, new Director, Program and Research and my deputy. He has been serving in SWAP’s board of directors for over 10 years and has a wealth of experience.

SWAP continued working in close partnership with the Ministry of Health and Education, USAID DIV, CDC, PSK and Procter & Gamble. This was the final year with funding from USAID DIV and saw us scaling down the “Jamii Center Model” during the last quarter. The 3 years were turbulent years, with scaling up to 11 operational centers and learning lessons along the way. An end line survey done with CDC support documented the health and economic impact, but turning this into a sustainable model proved complex and requires different strategic approach. Final reporting was done and approved by USAID DIV and final disbursement of funding received.

SWAP continued working with PSK on initial extension of a sub award in Siaya County during the first quarter of the year and in November 2016 signed an agreement for 5 years funding and activities in Migori County. A pre-award period of two months was approved prior and community entry was done in Nyatike sub-county. SWAP will work in close collaboration with the Ministry of Health’s community health volunteers in the prevention of diarrheal illness, malaria, HIV and other preventable illnesses as well as reproductive, maternal, neonatal, child and adolescent health care.

SWAP continued the operations of the business arm, the Mumias Sub Distributors center, where we sell Procter & Gamble products to traders. A new sales representative was added to the team and closer monitoring was done. The Sub Distributors center is self-reliant and does not require external funding.

In July 2016, SWAP launched the Sondu Water Enterprise, with support from Skyjuice Foundation and Siemens Stiftung. Water is drawn from the highly contaminated river Sondu and filtered through a sky hydrant filtration unit, after which it is sold to communities at an affordable price. SWAP put up a public toilet at the site to serve the communities around the market.

The project required additional funding and was accepted on “Global Giving”, where through crowd funding over USD 7,700 so far has been raised to support the activities.

As finalist in the SEAD and Innovation in Health Care Network, SWAP was for the second year invited in March 2016 to the SEAD summit in Durham (US) which was attended by 50 other innovators from all over the world. The workshop was on strategies for scaling impact, monitoring and evaluation, peer learning sessions, business models and networking meetings. After that the journey was taken to Washington DC for the Innovations in Health Care Annual Forum attended by over 150 global health leaders and business investors and NGO’s.

Innovations in Health Care supported SWAP with funding for our strategic planning. A consultant was hired and the planning started with the entire SWAP staff, after which the management team continued
for two days at Kweisos, in Koru. The strategic planning took place in August 2016 and a final strategic planning report (2016-2019) has been shared with the board and some of our partners.

SWAP is active member of the WASH IMPACT regional network, an initiative from Millennium Water Alliance. The network was launched last year and through this network SWAP applied and received international accounting expertise from Accounting for International Development for two months.

SWAP joined Kenyan Water and Sanitation Network (KEWASNET) who organized together with other partners the first women in Water and Sanitation Conference in Naivasha, which I attended. KEWASNET participated in the first ever Kenya Water Week. SWAP had applied for the MaPIA Award 2016 and became finalist and was invited for an award ceremony and gala dinner at the closing day of the Water Week.

SWAP continued serving in the Board of Directors of HENNET, the National NGO Network. HENNET has been hosting some of the Ministry of Health Inter Agency Coordinating Committees meetings in particular the ones on Community Health Strategy, which SWAP attended. SWAP further participated as member of the National Environmental Sanitation and Hygiene Inter Agency Coordinating Committee and is member of several technical working groups.

In May 2016, an invitation was received to attend the fourth Women Deliver conference in Copenhagen sponsored by Procter & Gamble's Children's Safe Drinking Water Program. I joined in a discussion panel on economic empowerment. The conference was attended by over 5,500 women leaders from 180 different countries and addressing international issues affecting women including the social development goals and women empowerment.

The water lab was supported by Procter & Gamble's Children's Safe Drinking Water Program through CDC Foundation for major improvements to support the accreditation of the lab. SWAP completed all activities by December 2016 and a final report was submitted. The lab is able to offer bacteriological and full chemical tests. Major new equipment and reagents were procured and infrastructure of the lab improved including air conditioning and power back-up generator. CDC Foundation invested more funding towards December 2016, which will help us finalize the accreditation and approvals. The aim is to have the lab used by external partners and become a self-sustaining referral lab.

Throughout 2016, SWAP continued to support orphaned vulnerable children with school fees and psychosocial support, as well as respond to emergencies, with the financial support of the Stichting “The Harber Charitable Foundation” and private donations from Gabriele Norado. Through these efforts, we saw many orphans complete their education and some managed to start working and became self-reliant.

The year 2016 saw SWAP enter into new partnerships and continued with previous existing ones for various research activities as follows:

1) Liverpool School of Tropical Medicine together with KEMRI and CDC – for a Cups or Cash for Girls Trial – A menstrual hygiene study for 4 years in 84 day secondary schools in Siaya County
2) PATH and Tufts University – An extension of a water filter study in 68 households
3) Stockholm Environmental Institute – An ANC study offering financial incentives with the aim of mothers attending 4 ANC clinics, deliver in health facility and continue with post-natal care. 7200 women will be enrolled in the study in Siaya County.
4) Procter & Gamble Germany – A diaper application and fit study
5) PATH – An SE Flow study, which is a chlorine generator which we tested in 5 health facilities
6) Follow up to 28 primary schools which were part of a Nutritional Study. This was to collect data needed for publication.
7) USAID DIV – End-line survey. Both qualitative and quantitative data were collected to provide evidence of the health impact and level of sustainability of the Jamii Center Model.
8) CARE – Sustainability study in 30 schools and health facilities in Siaya County after the institutions were previously provided with drinking water and hand washing stations as well as P&G purifier of water.
9) CDC – Schistosomiasis Mansoni Study – SWAP received notice of this award in collaboration with KEMRI – Waiting to sign the final agreement.
10) Stanford University – A small pilot to do a situation analysis of 50 water operators in Kisumu.
11) University of Illinois – A water and sanitation study in Kisumu County, starting in 2017
12) PATH and Stanford – Follow up studies, currently negotiating for a 16 month partnership.

SWAP’s success and achievement would not be possible without the support of the Board of Directors, committed management team, all SWAP staff who tirelessly worked in the community under sometimes difficult circumstances and with poor infrastructure. With all the above programs, we have been able to make a difference in the lives of vulnerable communities, economically empowering them while improving health.

Next year will be year of change whereby mid 2017, I plan to hand over the leadership of country director to Alex Mwaki, and take on a different role offering part time technical support for SWAP on the international partnerships and development of proposals, while I continue as co-investigator of the Cups or Cash for Girls Trial. At the same time I plan to venture into international consulting. An exciting year ahead with new challenges.

We have been very proud and excited to be associated with all those who contributed to the achievements and success of the past 11 turbulent years and we hope that you will continue provide your support. On behalf of the SWAP family, we wish you a happy, healthy and prosperous 2017.

Alie Eleveld
Country Director
SWAP’s VISION, MISSION, GOALS AND CORE VALUES

**Vision:** A healthy and empowered community where everyone enjoys a high quality of life.

**Mission:** To improve the quality of life of the vulnerable in the community by building their capacities and supporting them to develop profitable health oriented micro enterprises.

**Goals:** Increase income from environment friendly and health oriented micro-enterprises and improve health status of the vulnerable communities.

**Core Values:** SWAP values are compassion, integrity, partnership, teamwork and responsiveness.

COMMUNICATION


Twitter: @swapkenya

Website: [http://www.swapkenya.org/](http://www.swapkenya.org/)
ACKNOWLEDGEMENTS

SWAP would like to acknowledge the financial, technical, legal and moral support of the below listed organizations and individuals. We sincerely appreciate your donations and support.

- Ministry of Health
- Ministry of Education
- Centers for Disease Control and Prevention (Atlanta and Kisumu)
- CDC Foundation
- KEMRI
- SWAP Board of Directors and Management Team
- Population Services Kenya
- USAID/DIV
- UKAID/DFID
- Gates Foundation
- Procter & Gamble US, Nairobi and Germany
- Procter & Gamble Children Safe Drinking Water Program US
- Hasbah Kenya
- CARE Kenya /US
- PATH
- World Health Organization TDR
- Stockholm Environment Institute
- Liverpool School of Tropical Medicine
- George Washington University – Public School of Health
- Stanford University
- University of Illinois
- Maseno University
- Tufts University
- Duke University
- University of Oxford
- University of Cape Town
- Shadrack and Company
- Behan and Okero
- Siemens Stiftung
- SkyjuiceFoundation
- Global Giving
- HoogtijdvoorAndersom
- TheStichtingHarber Charitable Foundation
- Sead and Innovations in Health Care
- Social Innovations in Health Initiative
- HENNET
- WASH Impact
- KEWASNET
- Accounting for International Development
- Women Deliver
- Rob Quick
- Tom Henrich – Win Win and Beyond
- Pascal Rubli
- Gabriele Norado
- Anna Okello
- Karen Davis

1 PROGRAMS

1.1 USAID DIV

SWAP completed the final year of USAID DIV funding with 11 Jamii Centers operational and an end line survey done in collaboration with CDC Atlanta. There is evidence of some health impact and quality of live has improved of the community health promoters, who became economically empowered and useful members of society. However the project is very complex and difficult to manage in an area with high poverty rates, corruption and poor infrastructure. There is a trend of defaulting in repaying for health products taken on credit and as a result drop out of community health promoters. Paying cash for products in advance was for most community health promoters difficult because of low income. Most centres were also affected by competitors who were offering cheaper but substandard products. Towards the last quarter, SWAP scaled down due to the end of funding and the fact that most centres could not be
self-sustaining. This model would require more intensive monitoring and investments in real time software to track the product movement and to reduce losses. SWAP kept Kegondi (Vihiga County), Ahero (Kisumu County) and Wagai (Siaya County) jamii centers to continue with their operations in 2017. These centres have good leadership and the Community Health Promoters are still actively selling health products from door to door. SWAP completed its obligations and final reports to USAID DIV and received the final payment.

1.2 HEALTH COMMUNICATION MARKETING - HCM

In the first quarter, SWAP completed an extension of the previous sub award in Wagai in Siaya County, with social marketing and behavioral change communication focused on malaria prevention. The trained Community Health Volunteers managed to conduct one on one sessions through household visits. We reached 8,416 (67.32%) individuals with Malaria inter personal communication through (IPC) small group sessions. Conducted a total of 1,563 (156.3%) long lasting insecticide treated nets (LLITN) hanging demonstrations, we reached 4,349 (86.98%) households with Malaria IPC through house hold visits. We also managed to reach 15,178 (101.18%) individuals with Malaria IPC in the households.

Table 1: Performance monitoring plan during Sub Award extension in Wagai, Siaya County

<table>
<thead>
<tr>
<th>Output</th>
<th>Indicator</th>
<th>HCM 2016 Extension</th>
<th>Achievement %age</th>
</tr>
</thead>
<tbody>
<tr>
<td>MALARIA</td>
<td>To increase the likelihood that every individual in the household will sleep under an LLITN year-round by assisting households in hanging LLITNs and reinforcing the key communication message through interpersonal interactions.</td>
<td>12,500</td>
<td>8,416</td>
</tr>
<tr>
<td>MALARIA</td>
<td>A Total of 1,000 LLITNs Hanging Demonstrations done.</td>
<td>1,000</td>
<td>1,563</td>
</tr>
<tr>
<td>MALARIA</td>
<td>5,000 households reached with Malaria IPC through household visits.</td>
<td>5,000</td>
<td>4,349</td>
</tr>
<tr>
<td>MALARIA</td>
<td>15,000 individuals Reached with Malaria IPC.</td>
<td>15,000</td>
<td>15,178</td>
</tr>
</tbody>
</table>

SWAP signed a pre – award for activities in Migori County, Nyatike Sub County in August and September 2016 and did the community entry in Migori, where by the County Health Management Team selected Nyatike sub county to start the activities. Another 5 year contract has been signed and in January 2017 SWAP will roll out activities focused on preventable diseases such as diarrheal illness, malaria and HIV in collaboration with the Ministry of Health in Nyatike, Migori County. SWAP will invest in training the community health volunteers who will be engaged to do health promotion and small group sessions in the communities.
1.3 ORPHANS AND VULNERABLE CHILDREN AND WIDOW SUPPORT

SWAP continued receiving financial support from the stichting “the Harber Charitable Foundation” as well as from private well-wishers such as Gabriele Norado, to support orphans, widows and respond to emergencies. Most of the support has gone to paying school fees for orphans and vulnerable children and some widows have been supported with business start-up or medical fee.

In 2017, this support will reduce and will only target specific orphans who have been offered support to finalize their education until they complete university and can be self-reliant. Some funds are set aside in the scenario that we shall have pre or post elections political violence.

The supported activities within the year included the following:

Table 2: Support activities by Harber Charitable Foundation

<table>
<thead>
<tr>
<th>NO</th>
<th>TYPE OF SUPPORT</th>
<th>NUMBER SUPPORTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Orphans supported</td>
<td>64</td>
</tr>
<tr>
<td>2</td>
<td>Widows/widowers supported</td>
<td>19</td>
</tr>
<tr>
<td>3</td>
<td>Medical support</td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>Funeral support</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Community support</td>
<td>7</td>
</tr>
<tr>
<td>6</td>
<td>Desperate vulnerable families</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Cholera response</td>
<td>3</td>
</tr>
</tbody>
</table>

1.4 MUMIAS SUB DISTRIBUTORS

This Sub Distributors Centre is situated in Ekero, Kakamega County, selling P&G products to traders. Monthly sales vary between 1.5 to 1.8 million. The Centre is sustainable and brings in little profit. SWAP benefits by getting discounts and bonuses. HASBAH is the agent of P&G products.

1.5 SONDU WATER PROJECT

With start-up funding and technical support from Siemens and Sky juice, a water kiosk was put up in March 2016 and launched in the community in July 2016. The technology used is sky hydrant filtration. Water is drawn from river Sondu and pumped into a water tank, whereby through gravity it is filtered and sold to the community members. SWAP put up a public toilet on the premises and raised additional funding through Global Giving and major improvements made as well as trainings done of the water operator and community members.
1.6 CERAMIC WATER FILTER PROJECT

EAWAG research assistant Pascal Rubli donated some funds for subsidy of water filters. Water filters were sold to vulnerable women (pregnant, widows, living with HIV) at an affordable price. The project was completed. More funds were raised through the sale of Akala shoes which were sold abroad. The funds were channelled to SWAP towards the end of the year.

1.7 HOOG TIJD VOOR ANDERSOM / WILDE GANZEN

Some start-up funding was received to support Chiela Women Group in Dunga. They are an active group of fish mongers and undertake various income generating activities. They proposed to have their own boat for fishing and tourism activities to economically empower them. HoogtijdvoorAndersom provided some capital to build the boat and for SWAP to provide training on safe water, business skills, marketing, group dynamics and record keeping. The building of the boat was completed and training done. A proposal will be submitted to Wilde Ganzen for matching funds.

2 NETWORKS AND PARTNERSHIPS

2.1 International meetings / conferences attended by Country Director

2.1.1 SEAD workshop in Durham, USA & Annual Innovations in Health Care Summit – USA – April 2016

The above forums are attended annually by SEAD and Innovations in Health Care finalist as well as donors and investors. This was the second year for SWAP to be invited. SWAP will participate for one more year in 2017.

2.1.2 Women Deliver Conference – Copenhagen – May 2016

This was an international conference with over 5,500 women leaders, which is held every 4 years. There were presentations and exhibitions on key issues affecting women worldwide. SWAP was sponsored by P&G Children Safe Drinking Water Program for the Country Director to participate in a discussion panel on women economic empowerment.
2.2 **strategic planning**
SWAP conducted strategic Planning meeting which was held in August 2016 by a consultant from Think Place who was paid by Innovations in Health Care. The planning was first done with all staff after which the management team went to Kweisos in Koru, to continue with more intense sessions. The strategic planning report was completed and circulated.

2.3 **Memberships**
SWAP continued its membership with several network organizations and Ministry of Health led committees. Through these memberships, SWAP was nationally and internationally exposed, attended meetings, conferences and was able to present or share research and program findings and as such influence health policies.

- SEAD and Innovation in Health CARE
- Social Innovation in Health Initiative
- HENNET – re-elected as Board member
- WHO international Network of Household Water and Storage
- KEWASNET – SWAP became finalist in the MAPIA award during World Water Week
- WASH Impact Network
- National Environmental Sanitation and Hygiene Inter Agency Coordinating Committee
- National Community Health Strategy Inter Agency Coordinating Committee
- Various MOH facilitated technical working groups and emergency hub.

2.4 **Visiting organizations and donors in 2016**
SWAP has continued to embrace local, national and international partnerships with donors and research institutions and because of this, received visitors from all over the world from the following institutions and organizations.

- PATH
- Tufts University
- Liverpool School of Tropical Medicine
- Stockholm Environmental Institute
- Siemens Stiftung
- Sky juice
- The Stichting Harber Charitable Foundation
- GIZ
- Population Services Kenya
- Procter and Gamble – Germany
- EAWAG
- CDC Atlanta
- CARE
- Partners for Care
- Think Place
3 RESEARCH

SWAP participated in several research activities. Most studies will be published in peer review international journals. SWAP continued to receive technical support from CDC Atlanta for most of the studies.

3.1 WATER FILTER STUDY

We completed water filter study in 76 households in Nyando Sub County (Waswa and Achego scheme villages) in April 2016 together with the visiting Principal Investigator from Tufts University, Anna Murray. This was a partnership between SWAP, PATH and Tufts University's School of Engineering. The final report was disseminated in November 21, 2016.

3.2 CUPS OR CASH FOR GIRLS TRIAL (CCg)

A partnership consortium between SWAP, Liverpool school of Tropical Medicine, CDC, KEMRI & Government of Kenya's Ministries of Education and Health. The title of the study is; “Menstrual cups and cash transfer to reduce sexual and reproductive harm and school drop-out in adolescent schoolgirls in Siaya County: a cluster randomized controlled trial”. 84 day secondary schools will be randomized and 3,800 girls in Form 2 will be the study participants. There will be 4 study arms– 1 moon-cups, 2 moon-cups and cash, 3 cash and 4 comparison. All approvals by Ethical Review Committee at LSTM, CDC, KEMRI, KPPB & MOE have been issued.

Five (5) Trial Management Group meetings were held and attended by SWAP. Sensitization meeting with 75 Principals of the targeted secondary schools held and obtained consent from 75 schools. 2016 was a year of preparations and getting approval. Most activities will start in January 2017.

3.3 AFYA CREDIT INCENTIVE FOR IMPROVED MCH OUTCOMES

A cluster randomized controlled trial evaluating the role of conditional cash transfers in retaining rural Kenyan women in the continuum of care during pregnancy, birth and the postnatal period. The intervention being tested is a conditional cash transfer to women each time they attend their health appointments for ANC (up to 4 visits), facility birth and postnatal care visits until their new-borns reach 1 year of age (up to 6 visits). Collaboration between SWAP, Stockholm Environment Institute, Nailab and Ministry of Health. The study is funded by Bill and Melinda Gates and is a follow up of a successful pilot. Delays experienced with start-up by the collaborating partners and now activities will start in January 2017.

3.4 BABY DIAPERS STUDY

Second diaper study with Procter & Gamble Germany done in Kisumu and targeted 76 mothers with size 3 & 4 diapers. Diaper application study was done at a central place and in households. It was a short one month study that tested different brands of diapers and mothers determined their preference.

3.5 SE FLOW CHLORINE GENERATOR STUDY

A partnership study between PATH, SWAP and the Ministry of Health. Beta prototype gadget which generates 1% chlorine solution at least 3 litres per hour. This was tested in Homa Bay, Ndhiwa, Ahero and Siaya Hospitals. SWAP’s water lab was used to test water sources at drinking and hand wash stations to assess bacterial contamination. One SE Flow device was left at Ndhiwa Sub County Hospital for continued use. A follow up study of an improved version will be done in 2017.
3.6 **SUSTAINABILITY OF P&G PURIFIER OF WATER IN SCHOOLS & CLINICS**

A partnership between CARE, CDC, SWAP, MOH and MOE. CARE Kenya conducted an organizational assessment before the grant was awarded to carry out the study in Siaya County. The Study was done in 30 randomly selected schools and 30 health care facilities. Drinking water and hand washing stations were observed including presence of chlorine. The water lab was used to test source and stored water samples for bacteriological analyses. CDC Atlanta provided technical support during the clinic surveys.

3.7 **SCHISTOSOMIASIS STUDY**

A collaborative initiative between SWAP, KEMRI, CDC and the Ministry of Education. Notification of the award was made in October but the funds are yet to be received. The study will involve testing urine and stool samples for Schistosomiasis Mansoni among primary school going children in Siaya County along the shores of Lake Victoria. SWAP begun renovating the Urine and Stool Lab. The study team will be hosted by SWAP including the PI, 4 lab technicians and a study coordinator. SWAP’s study supervisors and Data Manager will be engaged during this study.

3.8 **WATER LAB**

Major improvements were made and equipment and reagents procured with funding from P&G through CDC foundation received in the first quarter of the year. Capacity building has been done of the Lab manager, who attended various trainings on accreditation and participated in proficiency lab testing. SWAP is able to offer bacteriological tests and full chemical tests. The water lab is used for research as well as for external partners and individuals who wish to take water quality tests. The aim is to turn the lab into a profitable enterprise. SWAP was able to make major improvements to the lab as follows:

- Improved floor, benches and ventilation
- Back-up generator
- Air conditioning
- Reagents
- New Equipment
- Library
- Capacity Building – proficiency testing

SWAP completed the activities earmarked under this fund and submitted the final progress and financial report before closure of the office. An increased number of partners used the lab for research and surveillance. Another grant from CDC Foundation was received to facilitate the accreditation to start in January 2017. This will make it easier to market the lab.

*Figure 5: Lab Manager in the newly refurbished water quality lab*
3.9 CARE CONSULTING

Alex Mwaki, who previously worked for CARE, will in 2017 do some follow up of a SWASH+ study with Bill and Melinda Gates funding. This will be done 3 days per month.

4 HR & ADMINISTRATION

Throughout the year we received the following international students and officers to provide technical support and others to learn from SWAP on attachment from their Universities.

i. Gina Ho – Accounting For International Development – 2 months offered support to the Finance Department – SWAP will be applying for another one early next year

ii. Karen Davis – MPH student University of Illinois – stayed 3 months working in the research department

iii. Anna Okello – University of Utrecht – International Development Student – 3 months attachment in the research department

iv. Bill Davis – EIS officer – CDC Atlanta – Supported the CARE study on sustainability of P&G purifier of water in schools and clinics.

v. Shreyan Sen – PhD Student from Stanford University – worked on a pilot WASH study

- **Sale of vehicle** – KAP 704C successfully disposed. It was old and expensive in maintenance.
- **New hires**: 4 new staff; Director Program and Research, 2 Mumias Sub Distributors staffs and Wagai Project Officer were successfully recruited during the year.

**Down scaling:**

- **Field officers**: 8 centers (Ugenya, Yala, Kakamega, Sondu, Awasi, Nyakwere, Marindi and Kajulu) closed down as at December 2016 with staff in the respective centers affected. In total **5 field officer’s** contracts terminated as at December 2016.

- **Administrative staff**: 4 staff affected; a project driver, Ahero water operator, Ahero Security guard and the stores Assistant.

- **Staff termination**: 2 employees got terminated; The sales and marketing officer in Mumias and Marindi field officer.

- **Staff resignation**: 2 employees; Administrative/Procurement Officer and Mumias Sales and Marketing Officer resigned.

- **Income generating projects**: This included income from the Guest house, Miti Health office space rent, Airtime and electricity token and water lab.

- **Pre-qualification of suppliers** - SWAP annual pre-qualification of suppliers was successfully done.

- **Training/capacity building**: staff attended numerous trainings throughout the year both in-house and external.

- **FKE Membership cessation** – SWAP did not renew its 2016 membership to FKE owing to the high membership fee and cost of training.

- **Policy Documents** – all policy documents were reviewed and approved by the Board.

5 FINANCE

This year we continued to diversify our donors and were able to raise a total of close to Kes 100,000,000/= or 1 million USD from both sales and donors. About 25% was income from research and 75% was income from program implementation and revenue from sales of health products. 2016 has been
a tough year, with frequent cash flow problems and struggles to pay suppliers and employees in time. This was due to the fact that it was the final year of USAID DIV funding which, with each milestone reduced its amount. It was also due to some donors paying on refund and delaying their final payments. Some research projects were expected to start, but delayed due to delay of approvals. However, SWAP has met all donor requirements and completed program and research activities as per agreement signed with the partners and donors. The table below shows the income from donors, details and the amount.

**Table 3: DONOR INCOME 2016**

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SWAP ANNUAL REPORT 2016

Annexes

Products Sales from Jamii Centers - Summary 2016

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Published Papers – Research Findings -Evidence of Impact

1) Center for Disease Control and Prevention – Atlanta, Department of Health and Human Services: Baseline Data from the Nyando Integrated Child Health and Education Project. MMWR – CDC Weekly report – Vol 56 October 22, 2007

2) Matthew C Freeman et al- 07-03-2009: Increasing equity of access to point of use water treatment products through social marketing and entrepreneurship: a case study in Western Kenya. Journal of Water and Health

3) Julie R Harris et al: Effect of point of use water treatment and safe water storage interventions on diarrhea in infants of HIV infected mothers., 15 October 2009 Journal of Infectious Diseases


11) Elizaeth Briere et al : Impact of integration of Hygiene kit distribution with routine immunizations on infant vaccine coverage and water treatment and hand washing practices of Kenyan mothers.

The Journal of Infectious Diseases 2012:205 (supplement 1), 2012

12) Patel et al: Impact of a hygiene curriculum and the installation of simple hand washing and drinking water stations in rural Kenyan primary schools on student health and hygiene practices.

American Journal of Tropical Medicine and Hygiene 2012 (under review)


20) Bobbie Person et al: It is good for my family’s health and cooks food in a way that my heart loves; qualitative findings and implications. Int. J. Environ. Res. Public Health 2012,
26) Mason et all: Adolescent school girls experiences of menstrual cups and pads in Rural Western Kenya, a qualitative study. Waterlines Vol. 34 No. 1 – January 2015
27) Bennet S et all: Acceptability and Use of Portable Drinking Water and Hand Washing Stations in Health Care Facilities and their impact on patient hygiene practices, Western Kenya; PLOS ONE | DOI:10.1371/journal.pone.0126916 May 11, 2015
29) Phillips Howard et all: Menstrual Cups and Sanitary pads to reduce school attrition, and sexual transmitted and reproductive tract infections; a cluster randomized controlled feasibility study in rural Western Kenya ; BMJ Open 2016 ;6:e013229 doi:10.1136/bmjopen-2016-013229 - Public Health
30) O'Connor Kirsten et all: Impact of the integration of water treatment, hygiene, nutrition, and clean delivery interventions on maternal health service use - American Journal of Tropical Medicine & Hygiene - AJTMH-16-0709.R1