

**USAID/ASHA
Office of American Schools and Hospitals Abroad
Final Results Report (FRR)**

Name of USO: ARMENIAN AMERICAN CULTURAL ASSOCIATION, INC.(AACA)

Name of OSI: ARMENIAN AMERICAN WELLNESS CENTER (AAWC/ Wellness Center)

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Award Number: **AID-ASHA-G-13-00003**

Period of the Grant
From 03/18/2014 to 03/31/2016

1 ORIGINAL PURPOSE OF GRANT (PER GRANT AGREEMENT)

The USAID-ASHA grant award in the amount of **\$675,000.00** (\$655,000 for commodities and \$20,000 for program support) and the AACA (USO) cost-share commitment in the amount of **\$320,986.00** were to be spent on commodities and program support for the continued growth and development of the Armenian American Wellness Center (OSI) in Yerevan, Armenia.

2 FINAL USE OF FUNDS

USAID-ASHA funds in the amount of **\$655,000.00** were utilized to purchase commodities and **\$20,000** was spent for program support (audit expenses). The USO's contribution during this grant period significantly exceeded the original cost-share commitment from **\$320,986.00** to **\$2,707,866.28**. The actual cost-share amount contributed by the AACA (USO) reflects construction expenses for the basement expansion area to house the newly-established Diagnostic Imaging Department as well as the newly constructed cafeteria at the Wellness Center (OSI), the in-kind donations of the AACA (USO) officers as well as operational costs of the Wellness Center (OSI). The Final Inventory List of commodities purchased under this grant agreement is included in this report (page 7).

NARRATIVE

I. GOALS AND ACCOMPLISHMENTS

For the past 19 years, the AACA (USO) has strived to promote U.S. democratic values and practices of highest integrity, accountability, health equality and quality at AAWC/Wellness Center (OSI) in Yerevan, Republic of Armenia. While continuing to build a state of the art diagnostic and medical care facility which can serve vast communities of people of Armenia, the Caucasus Region and beyond, the Wellness Center (OSI) continues to save lives through early detection and diagnosis of diseases such as breast, cervical and prostate cancers, as well as other life-threatening illnesses which are preventable as long as diagnosed in time and with outmost accuracy.

AACA (USO), working closely with its U.S. Medical Advisory Board representing 8 medical institutions, has been committed to strategically expanding the types of services provided at the AAWC (OSI) to be able to meet the demand of communities it serves and to offer inclusive, high quality services using the latest medical technology to all – women, men and children.

The objectives for this grant cycle were to 1) establish an additional, 9th department, Diagnostic Imaging, in the basement area of the main building of the Wellness Center (OSI). As such, the goal was to a) equip the new department with the state-of-the-art diagnostic digital technology units such as a CT-Scanner and a digital X-ray unit, b) to ensure the right climate control for the entire building of the Wellness Center, including the basement area which would house Diagnostic Imaging Department by upgrading the HVAC system and c) to ensure an uninterruptable power supply for the Digital Imaging Department. The second objective was 2) to acquire additional digital ultrasound unit for a heavily utilized department such as OB/GYN. As such, a new compact ultrasound unit with three transducers was to be purchased to continue maintaining the highest levels of quality while meeting the demands of the community for diagnostic services offered by the OB/GYN Department. The third objective was 3) to continue to ensure the highest levels of quality in medical expertise and training, as well as accountability and transparency on administrative and management levels in a corruption-free environment.

This grant award was instrumental in accomplishing all three of aforementioned objectives set forth by the AACA (USO) and AAWC (OSI). To date, as a result of obtaining the USAID-ASHA grant, the Armenian American Wellness Center (OSI) is proud to list the following major accomplishments:

1. To continue with the mission of the Wellness Center (OSI) to be able to provide high quality diagnostic and medical services while introducing new technological innovations, the AACA (USO) together with the Wellness Center's (OSI) Medical Advisory Board have determined that a Diagnostic Imaging Department would further enhance the services offered at the Wellness Center and would meet the demand of the

communities served for an in-house general diagnostic imaging department. Thanks to the USAID-ASHA assistance under this grant, the Wellness Center was able to acquire the latest breakthrough technology in computer tomography system, a 32-slice Aquilion Lightning CT-Scanner (Toshiba). This FDA-approved model of CT-Scanner offers 75% less radiation than earlier computer tomography units and a superb imaging quality which takes less time to produce. This particular CT-Scan model has only been introduced in the U.S. from January 2016.

2. Thanks to the USAID-ASHA assistance under this grant, another Digital X-Ray System (Toshiba Raffine) has also been purchased and installed in the Diagnostic Imaging Department at the Wellness Center (OSI). The digital remote control R/F system Raffine is mainly suitable for use in gastrointestinal examinations such as contrast-enhanced studies and endoscopic studies of the digestive tract, general radiography (general abdominal radiography, general skeletal radiography) as well as non-vascular and vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, renal pelvis, uterine tubes, urinary system, etc. The Digital X-Ray has been an important addition to the in-house services provided by the Wellness Center (OSI). Since purchasing and installation of the Digital X-ray system, as well as the CT-Scanner in December 2015, **952** diagnostic procedures have been performed using this new diagnostic technology on the premises of the Wellness Center (OSI).
3. AAWC/Wellness Center (OSI), with the help of USAID-ASHA grant money, was able to acquire a top-of-the-line compact ultrasound system with three probes, *Xario 200* (Toshiba) to be housed and used in the OB/GYN Department of the Wellness Center (OSI). *Xario 200* offers advance imaging technology and delivers outstanding clinical performance for routine and advanced studies in the wide range of clinical applications. This new compact ultrasound system will enable AAWC/Wellness Center (OSI) to offer more quality diagnostic services to more patients and to reduce waiting time for diagnostic procedures at the OB/GYN Department. To date, the OB/GYN Department has been able to provide **129,823** basic gynecological services and **25,751** family planning consultations to its patients.
4. With the assistance of USAID-ASHA grant money, the Wellness Center (OSI) was able to acquire HVAC “Midea” system for the entire building, including and particularly covering the basement expanded area which houses the Diagnostic Imaging Department with the newest diagnostic equipment. With outside temperatures rising in the summer months, it has become imperative to have HVAC system to ensure required temperature control for many advanced diagnostic units to be maintained in good condition. The newly installed HVAC system serving the entire building also provides more comfortable climate control for the Center’s patients and staff.

5. To ensure high efficiency and usability of the newly acquired CT-Scan and Digital X-ray units, AAWC (OSI) has determined that it would be instrumental to acquire an UPS system, an uninterruptable power supply, for the Diagnostic Imaging Department. Thanks to the assistance of USAID-ASHA grant money, a UPS Eaton 93E 160kVA system was purchased and installed in December 2015 in the Diagnostic Imaging Department. The system was chosen for its energy-efficiency, high reliability and a compact footprint.
6. Breast Imaging and Diagnostics Department which houses a recently acquired (also with the assistance of USAID-ASHA) Selenia 3D Digital Mammography Unit, has been in high demand at the Center (OSI). More memory and data storage system for this unit has become an important commodity to acquire. As such, with the help of the USAID-ASHA grant money, the Wellness Center (OSI) was able to purchase SecureXchange Expansion Pack Archival System to aid with storage of more images and important patient data.
7. Having access to latest Western technology further underlines the mission of the Wellness Center (OSI) in providing high quality diagnostic and medical care, equally available to everyone, and exemplifies the American ways of replacing older technology with new, innovative ones at a fast and efficient rate. In addition, instead of being referred elsewhere, the Wellness Center's (OSI) patients can continue to avoid long wait to schedule some of the necessary diagnostic procedures at other medical facilities.
8. In only two years under this grant award cycle, CY14-CY16, the Wellness Center hosted and/or otherwise participated in **31** professional symposia, conferences, seminars and workshops.
9. The USO (AACA) and the OSI (AAWC/Wellness Center) are proud to have introduced and continue a new culture in Armenia of the importance of preventive health care, annual check-ups and screening for early detection of diseases to save lives. Regular TV and Press appearances, social media communications, annual health walks and other special events organized by the Wellness Center (OSI), as well as monthly medical outreach missions to remote areas of Armenia continue to greatly contribute to public outreach activities in preventive care, health education and public diplomacy. This partnership has also inspired patients to have trust in the Wellness Center's (OSI) medical and administrative staff that provides high quality medical services to its patients. Public Health Education and Awareness Campaigns (such as the annual Health Walks), as well as distribution of various Educational Health Pamphlets and Brochures on healthy lifestyles, always available at the Wellness Center, have become the staple in the community in which preventive care and public discourse about health was not the practiced norm. Within the time period of this grant, as many as **281** public outreach

activities took place.

10. The public-private partnership between the AACA (USO), from the U.S., and the AAWC/Wellness Center (OSI), from Armenia, as well as the Governments of the U.S. and Republic of Armenia, has been instrumental in the introduction and advancement of American democratic values, practices, principles, American and Western technology and expertise in Armenia. The Wellness Center (OSI), as a state-of-the-art 9-department diagnostic and medical care facility, is one of the very few medical workplaces that have won the trust of the public and the respect of the medical communities and institutions in Armenia, the Caucasus region and abroad. As a result, between **160 to 200** patients come daily to the Wellness Center (OSI) to seek its quality health care services, provided by a dedicated medical and administrative staff, all trained by U.S. professionals on-site in Armenia or in the U.S. The promotion of American ideals is continued through ongoing medical exchanges and training (**69 to date**) between U.S. medical institutions and the AAWC (OSI). The Wellness Center's staff (**88 members**) are trained regularly on Western standards, technology and expertise either on-site in Armenia or in the US by the USO's U.S. Medical Advisory Board.

II. CHALLENGES

There were no remarkable challenges in implementation of the grant award. Construction project to expand the basement area to house the CT-Scanner and the Digital X-ray units were involved and took careful planning and architectural expertise to ensure structural soundness of the space as well as radiation and climate control. As such, the AACA (USO) cost-share contribution greatly exceeded the amount originally planned to be spent during this grant time period. However, there were no issues or complications having to do with the identifying appropriate commodities and/or disbursing of funds to purchase them.

III. COST EFFECTIVENESS

- The President of AACA (USO) was able to successfully negotiate significant price reduction on almost every commodity purchased under this grant award, amounting to **\$637,985.00** in discounts and savings.
- Construction and architectural expenses to expand the basement area to be utilized for the Diagnostic Imaging Department were entirely sponsored by the AACA (USO) as part of the cost-share agreement.
- In addition, both AACA (USO) and AAWC (OSI) have been extremely conscientious in regards to gradual planning and implementation of their commodity needs, in choosing their vendors, and in cost-savings while keeping quality and new technology their top priority.

IV. SUCCESS STORIES

(1) Preventive Healthcare Matters...

The accomplishments and steady growth of the Wellness Center (also known as the Armenian American Wellness Center or AAWC) in the last 19 years – beginning from introducing one of the first mammography machines to the Republic of Armenia and gradually developing into a state-of-the-art 9-department diagnostic and medical care facility truly makes it one of the success stories of bringing Western-quality health care, accountability and transparency standards to Armenia and the entire Caucasus region.

The Wellness Center has pioneered breast cancer prevention through early detection, has been promoting health education for all and has committed whole-heartedly to the medical outreach missions in remote regions of Armenia. The reach and the impact this humanitarian project has had is a story of dedication, hard work and determination by both the Wellness Center (OSI) and its U.S. sponsor, AACA (USO) to attain new standards of healthcare in the region plagued by corruption, lack of resources and technology as well as preconceived notions of healthcare.

The Wellness Center (OSI) has dramatically improved, prolonged and saved the lives of women/mothers in Armenia by 1) being able to introduce the newest diagnostic technology available equally to everyone, 2) opening more specialty departments to diagnose and treat wider range of population (women and their families, including men and children), and 3) continuing to educate people on the notion and importance of preventive care and early detection.

Since its inception in April 1997 through June 2016, the Wellness Center has:

- Saved close to 5,896 lives through early detection
- Served 351,937 patients
- Provided 450,825 services, including 238,814 breast screenings and diagnoses, 129,823 basic gynecological services, and 25,751 family planning consultations
- Helped 150 couples struggling with infertility to become parents, known as the parents of “Miracle Babies”
- Screened 1,117 men for prostate cancer
- Conducted 320 Medical Outreach Missions to remote regions of Armenia and provided 24,672 services to 19,727 patients – all free-of-charge
- Provided Dental Care to 1,294 patients
- Performed 3,909 surgeries including Breast, Gynecological, Abdominal, Plastic and Urological surgeries
- Performed 952 CT-Scan and X-Ray examinations

(2). Women’s Empowerment through Health Education and Employment Opportunities

The Armenian American Wellness Center (OSI) was recognized as the winner in the USAID-ASHA Success Stories Contest 2015 in the category of Women’s Empowerment.

PHOTOGRAPHS (separate attachment)

File name: G-13-00003, AACA-AAWC, FFR_Photos

Includes 7 pages of photos of all commodities purchased, with short descriptions for each commodity and visible marking of USAID branding stickers.

FINAL INVENTORY LIST

Description	Units	AACA Cost (US\$)	Vendor Information	AAWC Department Use	YR/QTR Purchased
Computer Tomography System (CT-Scanner), Aquilion Lightning, 32-Slice (Toshiba)	1	\$252,000.00 {Listed Price \$550,000.00 at 46% discount}	Diavant LLC Yerevan Armenia 28/1 Sose Street, Yerevan, Davit Arakelyan Senior Manager Tel(+374-10) 209-775	Diagnostic Imaging Department	2015/QTR I, QPR 4 - 50% down; 2015/QTR III, QPR 6 -remainder 50%
Digital X-Ray Unit -Toshiba Raffine	1	\$230,000.00 {Quoted Price \$461,135 at 50% discount}	Diavant LLC Yerevan Armenia 28/1 Sose Street, Yerevan, Davit Arakelyan Senior Manager Tel(+374-	Diagnostic Imaging Department	2015/QTR I, QPR 4 - 50% down; 2015/QTR III, QPR 6 -remainder 50%
Ultrasound Unit - Toshiba XARIO 200 with 3 Transducers	1	\$51,000.00 {Listed Price \$82,200.00 at 62% discount}	Concern-Energomash LTD Yerevan, Armenia Davit Arakelyan Commercial Director Tel: (+374-10)209-775	OB/GYN Department	2014/QTR II, QPR 1
SecurXchange Expansion Pack 27.3 Archival System for Digital 3D Mammography	1	\$36,000.00 {Listed Price \$72,000 at 50% discount}	Hologic Co. (USA) , Okkis Arissian Managing Director-Distribution Sales, Belgium Branch	Breast Imaging and Diagnostics Department	2014/QTR II, QPR 1
UPS/93E-160kVA/ for CT Scan and X-Ray Units - Uninterruptible Power Supply	1	\$28,000.00 {Listed Price \$30,000 at 1% discount}	Triton LLC, Tbilisi Georgia Anton Senchenko, Director	Diagnostic Imaging Department	2015/QTR IV, QPR 8
HVAC System, "MIDEA" - Air Conditioning and Heating System for the entire building and the Diagnostic Imaging Department in the Basement Area	1	\$58,000.00 {Listed Price \$97,650 at 59% discount}	Magnium LTD Yerevan Armenia Suren Karapetian, Deputy Director Tel: (+374-91) 40 8663	AAWC entire building, including the expanded basement area which houses the Diagnostic Imaging Dept	\$15,000 (2014/QTR II) \$43,000 (2014/QTR III)
TOTAL (COST OF COMMODITIES)	6	\$655,000.00			2015 QTR I-IV; 2016 QTR I
(TOTAL DISCOUNTS/SAVINGS)		(\$637,985)			
PROGRAM SUPPORT		\$20,000.00	Audit Expenses		2015/QTR III, QPR 6 (\$10,000) 2016/QTR I, QPR 8 (\$10,000)
TOTAL GRANT AMOUNT		\$675,000.00			