

Global Grant Application

GRANT NUMBER
GG1865425

STATUS
Approved

Basic Information

Grant title

Improving Rural Healthcare in Sonora Mexico: Help for today; Model for tomorrow.

Type of Project

Humanitarian Project

Address community needs and produce sustainable, measurable outcomes

Primary Contacts

Name	Club	District	Sponsor	Role
Barbara Kiernan	Catalina (Tucson)	5500	Club	International
Vicente Hernandez Mendez	Navojoa	4100	Club	Host

Committee Members

Host committee

Name	Club	District	Role
Jorge Lam Kordell	Navojoa	4100	Secondary Contact
Hector Iduma Valdez	Navojoa	4100	Secondary Contact

International committee

Name	Club	District	Role
Alan Chesser	Catalina (Tucson)	5500	Secondary Contact International
Bob Grady	Catalina (Tucson)	5500	Secondary Contact International
Anita McDonald	Catalina (Tucson)	5500	Secondary Contact International
Maria Elena McElroy	Catalina (Tucson)	5500	Secondary Contact International

Do any of these committee members have potential conflicts of interest?

No

Project Overview

Tell us a little about your project. What are the main objectives of the project, and who will benefit from it?

The purpose of this Global Grant (#1865425) is to improve the infrastructure of rural healthcare in Mexico by increasing the capacity of rural health care facilities to extend medical service, provide training, and support wellness in under-served rural communities in that country. In this particular grant, we will work with the rural health agency Clinica Integral Almas A.C. (hereafter referred to as Clinica Almas) in the town of Alamos (Sonora) as they provide primary and emergency medical services to 7 Guarijio indigenous communities (1600 people) in the remote mountainous area surrounding Alamos. The project encompasses five major components:

- 1) Provide much-needed clinical resources (trained people and equipment) in 4 targeted community "hubs" (encompassing 7 communities) to support wellness, prevent disease, and expedite treatment of injury or illness. The goal is to enable community members to receive immediate care and prevention education for the common challenges threatening the welfare of that particular community. At a minimum, these resources will support a) Rehydration and Sanitation, b) Maternal, Child, Women's Health, c) Quality of Life services (e.g., audiology, vision services), d) Respiratory and Cardiac care, and e) First aid/Trauma.
- 2) Provide professional and vocational field-training to 4 health care "promotoras" (one in each of 4 geographic "hubs") and 14 youth assistants (2 in each of the 7 community encompassed by these "hubs"). These promotoras and assistants will help medical doctors serve the needs of families in these 7 communities with a total population of approximately 1600 people.
- 3) Provide training for all members of each community on how to interact with these resources and maintain their own wellness on a daily basis.
- 4) Provide a culturally and technologically appropriate, cost-effective, and sustainable communication system (e.g., telemedicine) that links the medical team at Clinica Almas with each of these outlying communities.
- 5) Provide Clinica Almas with portable diagnostic equipment for ultrasound, blood analysis, and sensory assessment. Such equipment will enhance and sustain this primary care clinic's capacity to make timely diagnostics and treatment available to the remote rural communities it serves – leading thereby to a significant improvement in morbidity and mortality rates overall. At present, there is a significant delay in providing this life-saving information due to distance, lack of transportation, and backlog in outside laboratories.

A long-term goal of this project is to create a sustainable and replicable model of culturally appropriate healthcare that can provide accessible and individualized care in remote communities throughout Mexico. It models a Medical+Community Health Team that has experience, training, and resources to work together on a continuing basis toward optimal health outcomes. Long after this grant ends, this team will continue working

together whether doctors are in these remote communities or not. Telecommunication / telemedicine systems that keep them in contact will help to bridge the distance. In the end, however, it will be the team effort following substantive training and relationship building that sustains this health care initiative into the future

Areas of Focus

Which area of focus will this project support?

Disease prevention and treatment

Measuring Success

Disease prevention and treatment

Which goals will your activity support?

Improving the capacity of local health care professionals; Promoting disease prevention and treatment programs that limit the spread of communicable diseases and reduce the incidence and effect of noncommunicable diseases; Strengthening health care systems; Educating and mobilizing communities to help prevent the spread of major diseases;

How will you measure your project's impact? You need to include at least one standardized measure from the drop-down menu as part of your application.

Measure	Collection Method	Frequency	Beneficiaries
Number of communities reporting an increase in access to local health facilities	Surveys/questionnaires	Every three months	1-19
Number of individuals reporting better quality of health care services	Surveys/questionnaires	Every three months	50-99
Number of health-focused events	Grant records and reports	Every year	1000-2499
Number of health educational campaigns	Grant records and reports	Every three months	100-499
Number of medical and health professionals trained	Grant records and reports	Every month	1-19

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Clinica Integral Almas A.C.

Briefly explain why this person or organization is qualified for this task.

Clinica Integral Almas is a non-profit rural health clinic located in Alamos, Sonora. This clinic is our medical/training partner (see collaborating agencies) and the hub of this global grant effort. People do come to the Clinic for treatment, but more frequently the medical team goes out to them. It is a long journey with dirt

roads and rivers to ford that only rugged 4-wheel drive vehicles (and mules, of course) can negotiate. Nevertheless, the Clinica Almas' medical team does it 2 times every week. One of their outstanding achievements has been to work successfully with indigenous community leaders, members, and local healers in developing this project (see community needs assessment). The staff of this non-profit effort is highly qualified to provide the training and measure the results of the program. With 4 years of service in the Sierra surrounding Alamos, they have gained the confidence of the people living there, and together with community leaders and healers have developed strategies for bringing sustainable healthcare to the region. The medical team has 3 highly qualified doctors, 1 audiologist, and new doctors called "Pasantes" (new docs who have just completed medical school and are required to spend one year serving in rural areas). Cultural sensitivity, experience in providing for and assessing medical needs and education in remote, rural settings along with knowledge of the indigenous language of the Guarijio will support their reliable gathering of data necessary to evaluate this program. In addition, outside evaluators with appropriate experience from Arizona Rotary Clubs will also be used on an annual basis to provide an independent assessment of the program along with its implementation, progress, and outcomes.

Location and Dates

Humanitarian Project

Where will your project take place?

City or town

Seven villages in the Sierra around Alamos: Burapaco, Mochibampo, Mesa Colorada, Guajarai, San Juan, Los Estrados, Colonia Macurawe

Province or

state

Sonora

Country

Mexico

When will your project take place?

2018-10-01 to 2020-09-30

Participants

Cooperating Organizations (Optional)

Name	Website	Location
Clinica Integral Almas CIAM A.C.	https://www.almashealth.org	Juarez 28 Alamos Mexico

Supporting Documents

- MOUsigned5-1.pdf

Do any committee members have a potential conflict of interest related to a cooperating organization?

No

Why did you choose to partner with this organization and what will its role be?

We chose Clinica Integral Almas, a rural health clinic in Alamos, Sonora, as our medical/training partner because of its close working relationship with the remote areas of indigenous people living around Alamos for over 4 years. They had been working with what is now the host club in Navojoa previously on other projects to

benefit this group of people. Their reputation in the communities served by this grant is very positive; the people believe in their efforts to improve the health of their people. Their values reflect a culture that is inclusive of indigenous cultural beliefs, values, and desire to combine traditional medical practices (often based on plants and herbs) with western medicine. Their doctors and nurses are very knowledgeable and experienced in working in remote areas and the solutions that must be found to barriers of distance, lack of hospitals and doctors nearby, and the scarcity of reliable basic services (e.g., water, electricity, cell towers, transportation) for their communities. They are leaders in this area and well known to the host Rotary club in Navojoa as well as to other Rotary clubs in Obregon, Nogales, Guaymas, etc.

Partners (Optional)

List any other partners that will participate in this project.

Rotarian Participants

Describe the role that host Rotarians will have in this project.

The Host Rotary Club of Navojoa will:

- a. Help develop budget; receive and administer funds; provide financial oversight throughout grant.
- b. Prepare financial reports – monthly, quarterly, annually.
- c. Assist in writing progress reports for RI.
- d. Meet, plan, review financials with Clinica Almas and International Club in US
- e. Assist in periodic site visits by Rotarians coming to review grant progress.
- f. Serve as liaison with host district (4100) and governmental entities in Sonora.
- g. Serve as liaison with other clubs in D4100; involve them in support projects involving grant (e.g., hosting visiting Rotarians coming for site visits).

Describe the role that international Rotarians will have in this project.

The International Rotary Club of Catalina (Tucson) will:

1. Participate in community needs assessment prior to grant by visiting all participating communities in order to assist in planning grant components with community leaders and to assist in planning grant components with medical professionals at Clinica Almas
2. Assist Host Club in Navojoa in developing budget and preparing for financial management of grant
3. Arrange for Rotarians and external evaluators with appropriate experience to visit, review, evaluate, and support GG efforts.
4. Participate fully in writing RI Reports.
5. Assist in disseminating information and reports to organizations and governmental agencies involved in Rural Health programs in Mexico.
6. Project Coordinator, Barbara Kiernan, Ph.D., along with other Catalina (Tucson) Rotarians will also write articles and give club programs about the project to spread the word about the potential and opportunity for humanitarian Global Grants.

Please note that many visits have already been made: 12 Arizona Rotarians traveled to Alamos (Jan 12-15); Catalina Rotary Club World Community Service Chair Barbara Kiernan stayed in Alamos (Jan 12 – Feb 12); Catalina Rotary incoming (2018-2019) President Robert Grady visited (April 12-15). Thus, from Jan 12 to April 15 of 2018, multiple visits by Arizona Rotarians have been made to the communities this grant will serve: Mesa Colorada, Burapaco, Colonia Macurawe, San Juan, Los Estrados, and Guajarai.

Budget

What local currency are you using in your project's budget?

The currency you select should be what you use for a majority of the project's expenses.

Local Currency	U.S. dollar (USD) exchange rate	Currency Set On
MXN	18.5	24/03/2018

What is the budget for this grant?

List each item in your project's budget. Remember that the project's total budget must equal its total funding, which will be calculated in step 9. Every global grant includes a match of at least \$15,000 from The Rotary Foundation's World Fund. Project budgets, including the World Fund match, must be at least \$30,000.

#	Category	Description	Supplier	Cost in MXN	Cost in USD
1	Personnel	4 Workshop Trainers	Clinica Almas	160000	8649
2	Personnel	2 Village Mentor-Trainers	Clinica Almas	160000	8649
3	Personnel	2 evaluator-trainer	Clinica Almas	48000	2595
4	Travel	Gas and Transportation to remote villages	Local gas & transport companies	227651.4	12305
5	Training	Stipends for 4 "promotoras"	Clinica Almas	76800	4151
6	Training	Stipends for 14 Youth Health Assistants	Clinica Almas	100800	5449
7	Training	Training Materials	Clinica Almas	36000	1946
8	Accommodations	Lodging & meals for trainees (promotoras and youth) during workshops in Alamos	Clinica Almas	21600	1168
9	Training	Community trainings - food, supplies, event	Clinica Almas	96000	5189
10	Training	Field training supplies	Clinica Almas	48000	2595
11	Equipment	V-Scan - Fast ultrasound	Amazon Mexico	254328.75	13748
12	Equipment	CBC counter - blood analysis	Amazon Mexico	167294.21	9043
13	Equipment	Microscope - blood analysis	Amazon Mexico	61790	3340
14	Equipment	Centrafuge - blood anal	Local Vendor	4000	216
15	Equipment	Audiology Equipment - diagnostic & treatment	Amazon Mexico	148000	8000
16	Equipment	18 Stethoscopes for trainees	Amazon Mexico	2207.80	119
17	Equipment	4 Otoscopes for promotoras	Amazon Mexico	2164.5	117

