



Global Grant

2016-2017



Hepatitis Free Mongolia



May, 2016

Dear Fellow Rotarians, Clubs and Districts,

We are asking your support for a Global Grant initiated by the **Rotary Club of Ulaanbaatar (Mongolia)**, District 3450 and the **Flagstaff Rotary Club (Arizona, USA)**, District 5510 called, "**Hepatitis Free Mongolia**," Global Grant **GG1529067**

Mongolia has a small population (3 million people), 98% literacy rate and excellent health care infrastructure. The high literacy rate and small population makes awareness campaigns extremely effective. The small population and well-designed health care system makes screening, testing, vaccination and intervention campaigns manageable. These combined factors create an ideal opportunity for Rotary Clubs around the world to come together to effect lasting change against a tremendous viral epidemic. **Through the spirit of fellowship and service above self, Rotary is in the unique position to be able to eliminate viral hepatitis in Mongolia just as it has done with Polio across the world.**

The total budget is \$150,000 (USD). Through the Global Grant funding process, Club and District donations are matched, maximizing the impact of your dollars. We are requesting Rotary Clubs to donate at least \$1,000 and Districts to donate at least \$5,000 for this project. Once matched, your \$1,000 could provide the following;

- 30 ultrasound examinations
- 70 full courses of hepatitis B vaccination
- 30 participants provided with an accurate diagnosis for the first time, enabling them to change and save their lives
- 200 people educated about hepatitis prevention and treatment
- 1,000 information pamphlets printed to educate the general population

We are requesting a commitment of support by **July 31, 2016**. Funds will need to be sent to Rotary International immediately following acceptance of the grant, ideally in **August 2016**. Please contact Meredith Potts at meredithpotts@gmail.com, 1-928-600-6361 or Dr. Munkhjargal Ayurzana at amunkhjargal@yahoo.co.uk, 976-9907-1768 with questions. Thank you very much for your consideration.

Yours in Rotary,

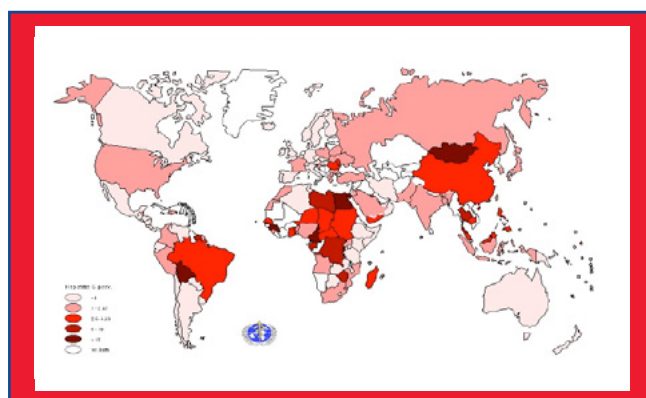
Paul Wagner
President 2015-2016,
President 2016-2017,
Flagstaff Rotary Club

Dr. Tonya Watson
District Governor 2016-2017,
District 5510

Dr. Munkhjargal Ayurzana
President 2016-2017,
Rotary Club of Ulaanbaatar

The Problem Addressed

Mongolia has the highest rates of viral hepatitis B, C and liver cancer in the world. 77% of the population have or have had hepatitis B at some point in their life. 1 in 6 people have hepatitis C. Liver cancer in Mongolia is six times higher than the international average and is responsible for 10% of death. 78% of liver cancer patients are not diagnosed until the disease has reached stage III or IV. 85% of liver cancer patients die within one year of diagnosis.



For more information about this project and about the conditions in Mongolia, please visit:

www.fireprojects.org/rotary

Activities

This screening and awareness program supports the **World Health Organization's Global Health Strategy to eliminate viral hepatitis by 2030**. This project will be implemented in Dornod province which has the highest rate of liver cancer in Mongolia. Dornod has twice the Mongolian average of liver cancer, making it 12 times higher than the international average. This project will help undiagnosed, high-risk individuals learn their health status, teach them to prevent disease transmission and provide resources to save and change their lives. It will reach every community in this province and be conducted in October and November 2016. .

Screening and Testing

We work with primary health care providers to invite high risk individuals to our event. Specialists are brought from Ulaanbaatar, including an ultrasound specialist, hepatologist (liver specialist) and oncologist.

Participants proceed through the following steps:

Step 1: Participants are tested for viral hepatitis B and C.

Step 2: Participants testing negative for hepatitis B are given the hepatitis B vaccination.

Step 3: Participants testing positive for hepatitis B or C are examined by an ultrasound specialist and further blood testing as needed.

Step 4: Participants are physically examined and counseled by an oncologist or hepatologist.

Counseling includes explanation of medical conditions, future care, follow-up treatment and physician referrals; sharing pamphlets regarding treatment options, proper nutrition, transmission prevention, and necessary lifestyle changes.

Community awareness events are conducted locally. They include information booths and activities for all ages. They are fun, well attended and family oriented events.

Training of local doctors is conducted for two doctors from every clinic and hospital in the province by the visiting specialist. Through both "shadow training" and accredited classroom sessions, doctors are taught how to prevent, detect and treat viral hepatitis and liver disease.

Advocacy with local community and business leaders provides them with ways to bring both the logistics and financial influences of the community together to implement further solution-based, inter-sector programming.

Knowledge, Attitude and Practice (KAP) survey will be done with 1,000 community members to provide valuable information to insure the most impactful design of future programs and material. It will also provide a basis for evaluation of the project.



Sustainability

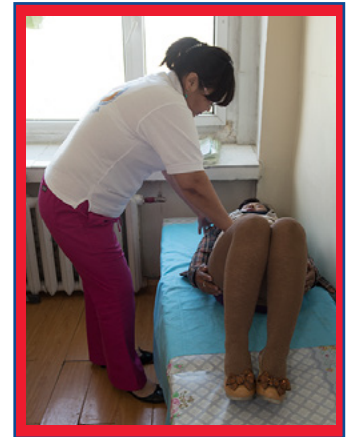
This project ensures long-term sustainability by:

- Encouraging local ownership by partnering with all the national stakeholder organizations, government organizations and local community and business leaders
- Training local doctors to continue the work long after completion of the project
- Comprehensively educating patients on the steps they need to take to save their lives
- Provides a lifetime of prevention against hepatitis B by vaccinating participants
- Educating thousands of community members through awareness events and mass distribution of pamphlets about these vital issues and steps necessary to protect and help themselves
- Supporting construction of the government's database for long term support of patients
- Supporting the World Health Organization and Mongolian Ministry of Health and Sport's policy development through the KAP survey

Expected Results

This multi-faceted, strategic program will comprehensively address many issues. The expected results are listed below

- **5,000** people will be tested for viral hepatitis B and C
- **1,500** people will be tested for liver cancer through a blood test and ultrasound examination
- **3,500** people will be vaccinated against viral hepatitis B
- **10,000** people will be educated through community awareness activities
- **50,000** information pamphlets and posters will be distributed across the province
- **6,000** patient record books, complete with relevant hepatitis and liver cancer prevention and treatment information, will be distributed
- **400** copies of "Physician's Guide to Viral Hepatitis," will be printed and distributed to local doctors
- **50** local doctor will be trained through intensive, hands-on "shadow training" of visiting specialists as they examine and counsel participants and in classroom sessions for educational credits
- **16** health care facilities will be visited (all the public facilities in the province)
- **30** government and private sector leaders will attend an advocacy meeting to learn about the urgency of this epidemic and ways they can help support its elimination
- **1,500** individuals (an estimated 30% of the total population screened) will be diagnosed with at least one of a variety of illnesses, giving them the ability to change and save their lives.
- **1,000** people will be given a Knowledge, Attitude and Practice (KAP) survey to test their awareness level of hepatitis. This will provide both important baseline information to help design future policies and measure the effectiveness of this project.
- A variety of information will be collected from all **5,000** participants and given to the Mongolian Ministry of Health for entry into their database for hepatitis and liver cancer patients.



Program Partners

This project will be officially implemented with the **Rotary Club of Ulaanbaatar** (Mongolia), **Flagstaff Rotary Club** (Arizona, USA), the **World Health Organization** (WHO) representative office in Mongolia and **FIRE - Flagstaff International Relief Effort**.

FIRE - Flagstaff International Relief Effort, is an NGO and US 501c.3 organization. They have been working in Mongolia since 1999 with a specific focus on hepatitis and liver cancer prevention in rural communities since 2009.

This project will be implemented using FIRE's globally recognized Innovative and comprehensive screening program that follows both the World Health Organization and the Mongolian Ministry of Health and Sports' guidelines for hepatitis screening programs. To insure this project supports Mongolia's procedures and policies while also empowering the local health care infrastructure and long term sustainability, we will work directly with many state organizations. The following are unofficial partners of this project:

- The Mongolian Ministry of Health and Sports (MoHS)
- The National Center for Communicable Diseases
- The National Cancer Center
- Mongolian National University of Medical Sciences
- Medical Sciences Institute of Mongolia

Award Winning Project

In April 2016, FIRE was one of five Organizations from around the world to receive an award from WHO (World Health Organization) and EASL (European Association for Study of the Liver) for innovative hepatitis Screening programs. This project will be included in the first edition of WHO's

"Hepatitis Screening Guidelines."

