



Water, health and education for Andean families.

Lamay, Cusco, Perú

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2013 HIGHLIGHTS

- 1650+ patient health visits by DESEA nurses
- 1500+ home visits by DESEA community health workers (qhalis)
- 150+ pregnant women received home support and health visits
- 550+ new mothers received home support and health visits
- 225 PVC filters in total have been installed by year end with greater than 90% correct usage
- 1300+ biosand water filter monitoring visits
- 50% lower diarrheal disease incidence in the final six months of 2013
- hemoglobin testing determined that 42% of school-aged children (5-15 years) are anemic – all anemic children are receiving iron supplements for three-month periods
- all school children have been treated for parasites
- 500+ children (5 and under) and women are receiving daily vitamin supplements donated by partners Vitamin Angels
- dental campaigns organized by DESEA have provided dental care in their communities for 270+ children
- no maternal mortalities and no under-five child deaths from preventable illnesses since program commencement in each community



MESSAGE FROM THE DIRECTORS

It has been a busy and exciting year for DESEA Peru thanks to the dedication and efforts of staff, volunteers and supporters. We have extended the biosand water filter and community health programs into three additional high-elevation communities and we are maintaining the established programs. Now working with more than 2400 indigenous residents, DESEA continues to make health improvements in these isolated communities.

Malnutrition is one of the most serious health issues affecting children in Andean communities. In remote Microcuenca Ccarampa Chayña communities, where DESEA is now introducing its program, over 80% of children under-five have been classified as malnourished and 50% are anemic. Biosand water filters play a vital role in stopping the cycle of bacterial and parasitic infections and diarrheal disease; however, without better nutrition, vitamin supplements, and improved hygiene, health outcomes cannot change. DESEA has proven that its three-prong approach of clean water, community health worker training, and public health programs is achieving significant improvement in health outcomes.

In 2014 DESEA will be undertaking community development projects designed to support long-term self-sufficiency and health in Microcuenca Ccarampa Chayña – the newest project areas. We will also be maintaining the program of healthcare provision and qhali training, in the six existing communities. PVC filter construction manuals and the qhali training manuals will be published in 2014.

To accomplish these goals we hope that we can count on the continued support of the organizations and individuals whose generosity has enabled this work. The chart on the final page of this newsletter illustrates our expenditures during 2013.

As a small NGO we are able to operate with low overhead, dedicating the majority of funds to program implementation. Our anticipated budget for 2014, with our project expansion, is \$132,000. Please consider making a donation to help DESEA help those in need.



COPIA IMPRENTA DANNYS GRAFF



Qhali Juana manages patient intake during the Tidlund campaign.

NEW DESEA VIDEO BY JOEL MCCARTHY

Check out the newly released video directed and produced by independent Canadian filmmaker, Joel McCarthy, who generously donated his time to capture the activities of DESEA Peru while working on the Vitamin Angels campaign.
<http://youtu.be/hg1ZZ0Mx1nA>



Qhali Tibursia teaches the importance of handwashing.

NEW WEBSITE CREATED BY MAX KUDISH

Please visit our new website by Max – www.deseaperu.org – who donated many days of his time and expertise to give our website a much-needed makeover!



Qhali Matilde helps a child take parasite medication.



80% of children are malnourished with a main diet of potatoes.

COMMUNITY HEALTH WORKERS

The women trained by DESEA as community health workers ('qhalis' in Quechua) are key to the success of DESEA's projects. The qhalis assist community residents through education in hygiene and sanitation, biosand filter monitoring, and by providing frontline healthcare. DESEA is now working with 12 women who are each receiving 200 hours of training and providing more than 500 hours of health services to their communities. As one new qhali said, "I am so happy to be learning what the men get to learn". Few of the qhalis have been able to attend school beyond Grade 3 and most are illiterate. These dedicated women are showing that illiteracy need not exclude them from learning.

Qhali Benita, who has never been to school, recently attended numerous community members during a diarrheal outbreak which occurred when the entire community shared a meal that had been contaminated. Luckily, Benita was late arriving and did not have a chance to eat. The majority of community members who had the meal were ill (including DESEA's other qhali in the community) and Benita visited each household treating patients with simple sugar and salt solutions and monitored the young children to ensure that they did not become severely dehydrated. The community made a full recovery thanks to Benita's care.



Qhali Benita monitors a filter in her community.

VIBRANT VILLAGE FOUNDATION AND GREEN EMPOWERMENT PARTNERSHIP

Through financial support from Vibrant Village Foundation and in collaboration with Green Empowerment, both based in Portland, Oregon, DESEA will be undertaking community development projects in 2014 and 2015 designed to support long-term self-sufficiency and health in Microcuenca Ccarampa Chayña. Vibrant Village is contributing to DESEA's core water and health program and offering support for community-driven initiatives such as water supply and storage structures, sanitation facilities, and food storage systems.



Mother and child happy recipients of daily vitamins.



VITAMIN ANGELS

DESEA Peru continues to receive vitamin donations for under-five children and pregnant and lactating women, from California-based NGO Vitamin Angels. These vitamins are significantly improving health indicators for women and children. Of the women giving birth in 2013 in the project areas more than 75% delivered children over 3 kg, substantially improving the newborns' health prospects. As well, the majority of the newborn children were of normal height, indicating reduced 'stunting' (short stature), the most common effect of malnutrition in the Andes.



The Mary A. Tidlund medical campaign enroute to the community.

THE MARY A. TIDLUND CHARITABLE FOUNDATION

In October, the Mary A. Tidlund Charitable Foundation once again donated their time and funds to brave the roads and weather in order to provide medical care in the mountain communities. In total 473 people were treated during the two-week campaign, including 41 pap smears, 88 dental extractions and cavity fillings, and 134 hemoglobin screenings for school-aged children. As well, the foundation has provided additional funds to ensure that medical care, hemoglobin testing and dental care can be continued in through 2014.



Jumping for joy - our friends from Vitamin Angels visited in August, bringing vitamins to the communities.

OUR SUPPORTING ORGANIZATIONS

DESEA Peru's work would not be possible without the significant contributions of its partner organizations and private donors. We wish to specifically thank the following organizations (in alphabetical order) for their generous support and, in many cases, active involvement in the community projects:

- Capitol City Medical Teams, Salem, Oregon
- Christadelphian Meal-a-Day Fund of the Americas, Chicago, Illinois
- Emmanuel and Anna Weinstein Foundation, Bethesda, Maryland
- Green Empowerment, Portland, Oregon
- International Life Foundation, Saint Cloud, Florida
- Kiwanis Club of Williams Lake, Williams Lake, British Columbia
- Leiter Foundation, Bainbridge Island, Washington
- Mary. A. Tidlund Charitable Foundation, Canmore, Alberta
- Mary's Pence, St. Paul, Minnesota
- Grade 2-3, Garibaldi Highlands Elementary, Squamish, British Columbia
- Mountain Equipment Cooperative, Vancouver, British Columbia
- Provincial Municipality of Calca, Cusco, Peru
- Rotary Club of Brighton, Michigan
- Rotary Club of Toronto-Leaside, Toronto, Ontario
- Vibrant Village Foundation, Portland, Oregon
- Vitamin Angels, Santa Barbara, California

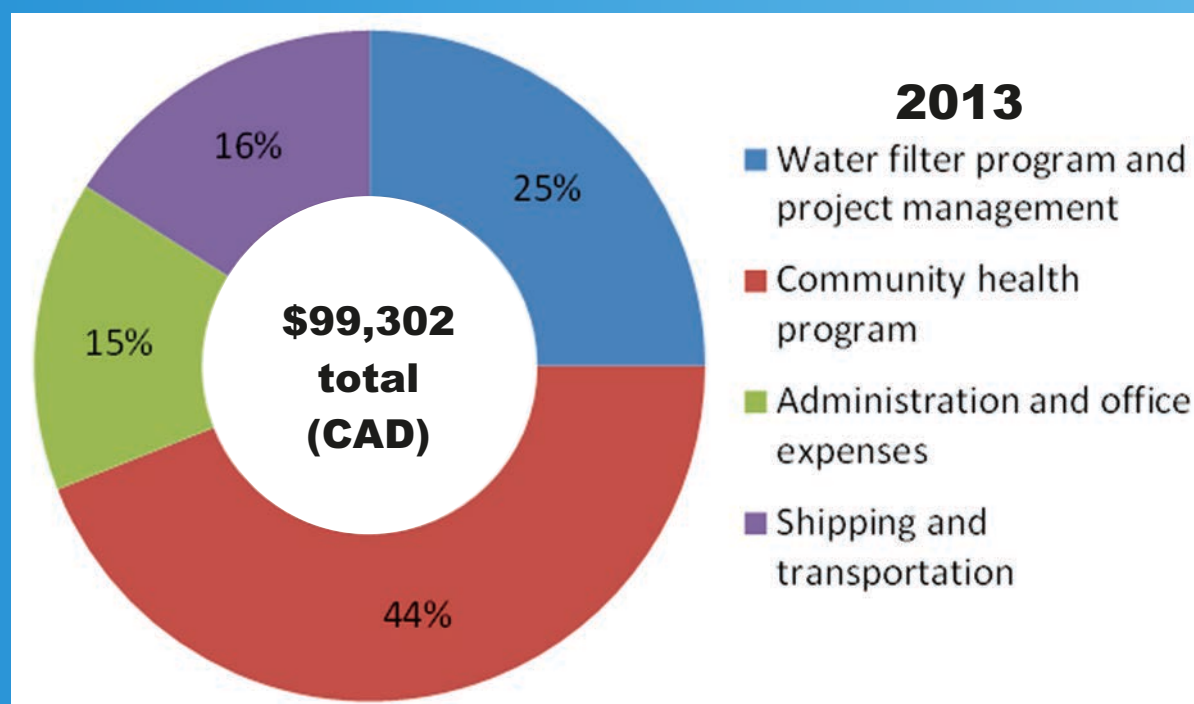
The generous donations from individuals are especially vital to project success. Our sincere thanks are extended to the following contributors:

Betsy Blackburn, Carolyn Sullivan, Celina Moore, Charles (Sung Chin) Chen, Colin Tobias, Douglas Elliott, Douglas Hart, Duncan McCowan, Dunnery Best and Françoise Ducret, Eleanor Golden, Hans Bloessl, Howard and Kim Schiffer, Hugh and Hellen Bayliff, Ivor McMahan and Ann Carter, Jennifer Fraser, Judith and James Walker, Judy Collinson, Kathleen McGirr, Lise Gelais-James, Nanci and Mike Harris, Patrick Teti, Peter and Roma Shaughnessy, Richard N.W. Wohns, Robin Sears and Robin Harris, Sandi Giovanelli, Shayla Wright and Jonathan Taylor, Stephanie Collins, and Terri Lawson.

Finally, a huge thank you to all those who have volunteered their help in 2013, both here in Peru and abroad:

Allyson Schurtz, Annie Barrett, Brian Hettler, Carolyn Beukeboom, Charles Chen, Cindy Nadeau, Eliana Schiffer, Elna Osso, Eric Miller, Ernesto Barrios, Flor Vásquez, George Heintzman, Jayne Davidson, Joel McCarthy, Kenny Bancallan, Mariela Rodriguez, Marina Flevotomas, Max Kudisch, Patricia Heintzman, Patrick Teti, Simone Garcia, and Susie Heintzman.

HOW YOUR DONATIONS ARE USED



OUR PARTNERS

Our particular thanks to the following organizations which work actively as project partners, providing financial and management support and participating in health and development campaigns.



HOW TO SUPPORT THE WORK OF DESEA

Please consider helping out some of the most disadvantaged families in South America and help to pass on the word about DESEA by forwarding this newsletter. Donations of any amount are greatly appreciated!

Targeted donations include:

- \$300/year supports a school hygiene program (water filter installation, soap, toothbrushes, toothpaste and education).
- \$90 purchases a permanent biosand water filter for a family including training in filter operation, hygiene and sanitation education, and filter monitoring.
- \$60/month supports a qhali salary (single month or recurring)
- \$50 establishes a medical dispensary for a community.
- \$30/month – Provide first aid supplies and basic medicines for a community (single month or recurring).
- \$25 – Provide parasite medication and anemia testing for 10 under-five children.