

# CerviCusco Accountability Report



**B-8-2 Avenida 4, Larapa**

**Cusco, Peru**



# CerviCusco Accountability Report

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## Introduction

CerviCusco ([www.cervicusco.org/en/home](http://www.cervicusco.org/en/home)) is a Peruvian registered non-government organization (NGO) created to address the exceedingly high rate of cervical cancer in rural Peru. All services are provided free of charge to impoverished, disenfranchised and indigenous women living in the remote Andes Mountains of Peru. Patients are seen in a 3,800 sq ft clinical center in Cusco and also in rural mountain locations. The clinic is staffed by Peruvian physicians, nurses, laboratorians and ancillary staff and is open 6 days/week. In just 14 years, the CerviCusco team has examined more than 50,000 women at CerviCusco, a similar number of patients in rural locations and has performed thousands of screening and diagnostic examinations and hundreds of surgical procedures. CerviCusco is the first health care facility in Peru to offer the quadrivalent HPV vaccine (Gardasil, MSD), liquid-based cervical cytology (Pap) tests (SurePath, Becton and Dickinson), animated patient education videos in Quechua, and a telepathology center that conducts weekly consultations with experts at Harvard University and other centers. CerviCusco also developed the only cytology screener school in Peru designed to teach Peruvians how to accurately read modern Pap tests. Recently, CerviCusco has partnered with RAD-AID to bring high-tech early breast cancer detection services to the region using Artificial Intelligence (AI). In addition, based on internationally renowned colposcopy diagnostic services, CerviCusco has become a *Center of Excellence* for cervical cancer prevention in Peru.

**Cervical Cancer in Peru** Cervical cancer is the second most common cancer among women worldwide and, as such, is of tremendous importance to global health initiatives. Moreover, women with cervical cancer die at an earlier age than women with breast or ovarian cancers. The majority of cases occur in resource poor countries where critical resources are limited. In Peru, cervical cancer is the leading cause of cancer deaths for women 16 to 65 years old. Most women are diagnosed with advanced cervical cancer when few treatment options are available and survival rates are poor. Every year, 4,446 women in Peru are diagnosed with cervical cancer, and 2,098 die from the disease. These numbers are projected to increase by 84-86% in the 65 and older age group over the next two decades. Peru is characterized by exceedingly high cervical cancer incidence and mortality rates, with an age-standardized incidence rate of 34.5/100,000 population (South America overall is 24.1/100,000), and a mortality rate of 16.3/100,000 population (South America overall is 10.8/100,000). Yet, cervical cancer can be prevented when premalignant changes of the cervix are detected early and treated appropriately.

**Cervical Cancer Prevention in Peru** Early detection of cervical cancer precursor lesions with Pap tests is a proven strategy to reduce the high cervical cancer incidence and mortality rates in Peru. The relatively high cost of the HPV vaccine is prohibitively expensive for most Peruvians. Although the Peruvian government has initiated an HPV vaccination program, its initiation has been limited in numbers and geographic location. Indigenous children living in the remote Andes Mountains do not fully benefit. Regular cervical cancer screening requires resources for both screening and follow-up, capacity for delivering health education, and regular contact with healthcare providers who recommend screening. Current national guidelines recommend Pap test screening every 3 years for women between 30 to 49 years old. However, the reality is that many women never receive screening. Rough estimates place screening coverage between 7-43% of the eligible population. One large study carried out in 20 of the largest cities in Peru found Pap test coverage to be 31% among young women (18-29 years old). The study found regional differences also, with women from the Andes significantly less likely to be screened than women from the coastal region. Another study found a new cervical cancer screening program in the Amazonian region was only able

to screen 36,759 women over a 3-year period (2000-03), a third of who were new users, reaching 32% of eligible women.

**Andean Indigenous Women and Health Access Issues** The indigenous people living in the Cusco region are commonly known as Quechuas, descendants of the ancient Incas. Quechua is a term which encompasses many distinct indigenous ethnic groups throughout Andean and Amazonian South America. The Quechuas are the largest of any American Indian group, numbering between 9 and 14 million people. Historically, they have been disenfranchised politically, impoverished, and systematically persecuted in Peru. For example, many Quechua women were subjected to the forced sterilization population reduction programs during the Fujimori administration. Their native language of Quechua hinders equal advancements experienced by Spanish-speaking Peruvians. Many Quechuas live in remote rural areas, which create geographic impediments to routine healthcare, leading to lower rates of preventive health screenings.



**Barriers to Cervical Cancer Screening in Peru** In low-resource settings such as Cusco, Peru, structural barriers to cervical cancer screening include lack of access to health care, shortage of quality facilities and laboratories (outside of Lima, few facilities can perform cone biopsies or colposcopies), few trained personnel, distance to health care facilities, irregular hours of operation and long waiting times at the facilities, and lack of affordable options for follow-up care. Individual and cultural barriers include lack of preventive health seeking behaviors, less exposure to biomedical procedures, low knowledge of cervical cancer, language barriers (for non-Spanish speakers), negative views of health care providers, lack of spousal support for health care seeking, anxiety and fear over potential negative diagnoses and of cancer (possibly related to the normative practice of performing hysterectomies to treat cervical abnormalities), shortage of female providers, distrust of ever receiving the Pap test result and modesty over exposing one's body.



## Mission

CerviCusco, a Peruvian-registered non-profit association (NGO), is committed to improving the health and quality of life of all Peruvians, including underprivileged and indigenous individuals, through excellence in medicine and compassion in care.

We provide exemplary family medicine and women's health care, with particular expertise in cervical and breast cancer prevention, screening, diagnosis and treatment.

## Vision

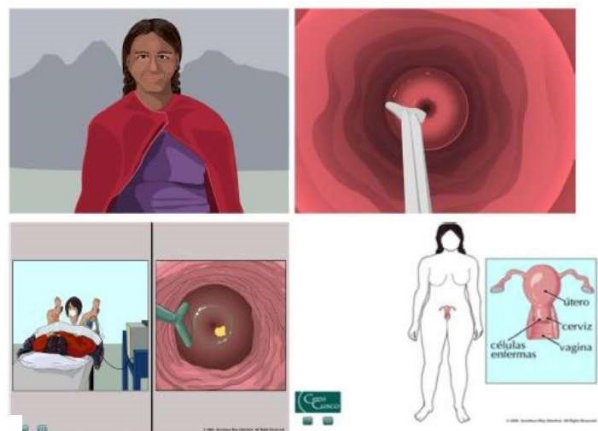
To become a national and international center of excellence, with comprehensive medical services available to all Peruvians. We believe all people deserve exemplary medical care regardless of place of birth, financial status, race, gender, age, language spoken, ethnicity, religious belief, sexual orientation and political affiliation.

## CerviCusco Programs

**CerviCusco Patient Education Interventions** The indigenous population, which comprises the target population for CerviCusco, speaks primarily the Quechua language, and literacy levels are low. Because Quechua is also primarily an unwritten language, written patient education materials are impractical for this population. To address this educational dilemma, CerviCusco partnered with students from the Medical Illustration program at Augusta University to develop and implement novel educational videos with bilingual narration, both in Spanish and Quechua. The first of three 15-minute culturally-sensitive animated videos discuss the pertinent anatomy, concept of cervical cancer prevention, Pap tests, visual inspection with acetic acid and Lugol's iodine screening tests and colposcopy. This brief educational intervention prepares women for their examination, helps allay fears and misconceptions, provides much needed knowledge about preventive health care, and addresses common concerns. Exposure to the culturally-sensitive video helps to increase knowledge about cervical cancer prevention and reduce anxiety prior to the screening exam. Therefore, this video has helped prepare indigenous women for important cervical cancer screening and diagnostic tests. A second video describes cervical neoplasia and electrosurgical loop excision, the most modern procedure used to treat women with cervical precancers. CerviCusco offers this procedure to all women in the region afflicted by high-grade cancer precursor lesions. Other videos review breast cancer prevention, HPV and HPV vaccines, and anal Pap testing. For Spanish-speaking clients, CerviCusco provides Spanish-language patient educational brochures.



Selected images  
from two Quechua  
and Spanish  
educational videos



**CerviCusco Cytology Screener School (CCSS)** In order to improve the quality of Pap test interpretations in the remote Andes Mountains, CerviCusco initiated a cervical cytology screening school in 2010. This program was made possible through a \$10,000 grant from the American Society of Cytopathology. The program is conducted in conjunction with UNSAAC and graduates receive a diploma from UNSAAC. Ms. Nasera Hassan of Duke University initiated this unique educational program. Ms. Erika Escalante became the first Peruvian student to graduate in May 2011. She was the first Peruvian certified to interpret SurePath liquid-based Pap tests. The first graduate is now employed by CerviCusco. The program also aims to develop a cadre of trained Peruvian cytoscreeners. Ms. Escalante helps INCCA volunteers train new cytology screener students.



**CerviCusco Telepathology Center** CerviCusco is also supported by a telepathology system donated by pathologists from Massachusetts General Hospital/Harvard University. This is the first and only telepathology system in Peru. Cytology slides from CerviCusco are imaged by a high resolution camera under a microscope connected to a laptop computer, and these images are then viewed real time by pathologists in the US. Members of the College of American Pathologists (CAP) Cytopathology Committee and pathologists at other US and Canadian academic medical centers also donate their diagnostic services by telepathology every Friday free of charge to CerviCusco. Hence, CerviCusco has expert remote pathology assistance to support the CCSS and impoverished women whom normally would not have the means to obtain these high-quality services.



**Harvard University Telepathology System at CerviCusco**



**HPV Vaccine Project** In the second half of 2008, CerviCusco administered the quadrivalent HPV vaccine (Gardasil) to 100 young school girls living in Cusco. The 300 doses of the cervical cancer vaccine was donated to CerviCusco by Merck and Co, Inc. The estimated cost of this donation was \$36,000. As part of this generous prevention effort, CerviCusco educated approximately 90 local healthcare providers about HPV and the HPV vaccine. Through a private family donation matched by Adobe Systems and made available through the INCCA foundation, CerviCusco also vaccinated 15 young adolescent girls living at an orphanage in the Sacred Valley. In 2010, Merck and Co., Inc. donated an additional 600 doses of quadrivalent HPV vaccine to CerviCusco. These vaccines were administered to school girls living in Mollepata and Cusco. In 2016, CerviCusco received a very large donation of Quadrivalent HPV vaccine (estimated value more than \$8 million) to support our cervical cancer prevention efforts. The current effort is expected to allow vaccination of 30,000 individuals.

**Peruvian orphan girl receives donated HPV vaccine at CerviCusco**



**Merck/MSD donates more than \$8 million of HPV vaccine to CerviCusco**



**Early Breast Cancer Detection Project** Breast cancer is now the leading cancer of women in Peru. As a consequence, CerviCusco has partnered with RAD-AID, a radiology humanitarian non-profit organization, to implement a novel early breast cancer detection program in the remote Andes Mountains. Using modern ultrasound equipment, CerviCusco can now painlessly detect the early cancer changes. In addition, Artificial Intelligence (AI) interpretations help improve local diagnostic capability not available elsewhere in Peru. Under the leadership of Dr. John Scheel, the program is linked with tertiary care services in Lima through a partnership with the Instituto Nacional de Enfermedades Neoplásicas (INEN).



In addition, RAD-AID continues to provide educational training and imaging resources with community-based outreach for strengthening referral networks across Peru between primary and specialty care. As a fundamental component of delivering comprehensive women's health care, RAD-AID Peru includes nursing education as part of the continuum of care.



**CerviCusco Cervical Cancer Screening Initiative** To respond to deficiencies in Pap screening, in February 2011, Becton and Dickinson (BD) - a company with significant expertise in women's health and cancer - partnered with CerviCusco to implement liquid-based Pap screening for approximately 75,000 women over three years in the Cusco region. Until this initiative, advanced Pap testing had not been previously available in Peru. CerviCusco is honored to receive this \$1 million grant designed to help save the lives of impoverished, indigenous women. Since the adoption of modern liquid-based Pap tests at CerviCusco, the rate of unsatisfactory specimens has been reduced significantly. In addition, a greater rate of cancer precursor lesions has been identified. As a result, fewer inconvenient repeat Pap tests have been done and more women have been properly diagnosed with cervical cytologic abnormalities. Because of the improved quality of the liquid-based Pap tests compared with the older conventional Pap smears, our CerviCusco Telepathology Program has been able to render expert consultations from afar. Clearly this important program has had a profound impact on cervical cancer prevention in the region.



**BD CerviCusco Cervical Cancer Prevention Program**



**CerviCusco Continuing Education Program** CerviCusco and the INCCA Foundation are committed to education of local health care providers in the Cusco region. CerviCusco conducts an annual Continuing Medical Education (CME) program for doctors and nurses each September. Visiting INCCA and RAD-AID volunteers from the US (Cleveland Clinic, Harvard University, University of Pittsburgh, University of New Mexico, University of Chicago, University of Kansas, University of Colorado, University of Washington and Augusta University) and Spain (Barcelona) have lectured on various obstetrical, women's health and gynecologic topics. CerviCusco programs are based on medical education by training local health care providers and also the lay population. Such an approach will insure acceptance and self-sustainability, and will help expand care of indigent Peruvian women.



**CerviCusco Annual Continuing Education Program for Peruvian Healthcare providers**



## CerviCusco Clinic and Healthcare Services



Women awaiting health services from CerviCusco

### CerviCusco Clinic

CerviCusco, a Peruvian registered non-government organization (NGO) in Cusco, is committed to improving the health and quality of life of Peruvian women through the primary and secondary prevention of cervical cancer. The CerviCusco clinic is a medical facility with exam, ultrasound and surgical rooms, a laboratory, a consultation room, waiting room, reception area, research office, telepathology center and storage room. CerviCusco has approximately 2,500 square feet of clinic space, which includes three 200 square foot examination rooms for colposcopy and ultrasound, and a 250 square foot procedure room for surgery (Utah Medical electrosurgical unit). Each of these rooms has a private adjoining bathroom. The liquid-based Pap test processing equipment is located in the CerviCusco laboratory. A Pathology reading room (450 square feet) is located on the 4th floor. Here, pathologists and cytotechnologists from INCCA can interpret cytology specimens for CerviCusco throughout the year. HPV vaccine donated by MSD is stored in a refrigerator in the laboratory. The CerviCusco Telepathology Center is located on the 4th floor (approximately 120 square feet). The center is linked directly to the internet and wireless internet access is available throughout CerviCusco. A Research Office facilitates Peruvian INS –approved clinical trials (NIH- and industry-sponsored) at CerviCusco. CerviCusco is a Peruvian INS –approved clinical research center. A modern Auditoria Center allows educational sessions, conferences and meetings.



CerviCusco



## Healthcare Services

The screening, diagnostic and treatment methods at CerviCusco include liquid-based Pap smear screening with rapid processing and interpretation, colposcopy with “see and treat” protocols for obvious lesions, cryotherapy, ultrasound (with Artificial Intelligence interpretation), fine needle aspiration and electrosurgical loop excision procedures for treatment of cervical cancer precursors. All these services are provided free of charge to indigent patients. Since its inception in 2008, CerviCusco has provided cervical cancer screening for more than 50,000 mainly indigenous women. Colposcopy examinations have been conducted on thousands of women and hundreds of women have undergone electrosurgical loop excision procedures for cervical cancer precursor lesions. CerviCusco also conducts medical outreach campaigns to provide access to care for those women unable to travel to Cusco. CerviCusco collaborates with the Peruvian Ministry of Health, various rural government agencies, local health care providers and the community to foster acceptance and ensure program sustainability. Recently, in addition to our longstanding women’s healthcare services, CerviCusco has expanded care to include the entire family. Further expansion of healthcare services is limited only by available funding.



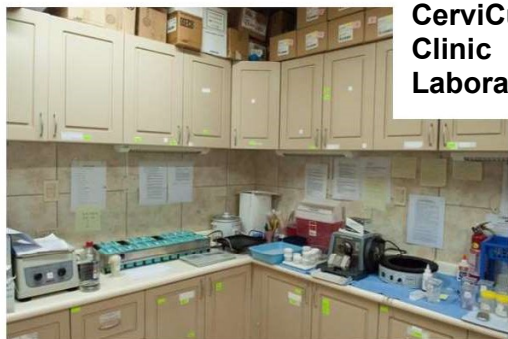
**Medical Outreach**



**Colposcopy and surgical room**



**Ultrasound Room**

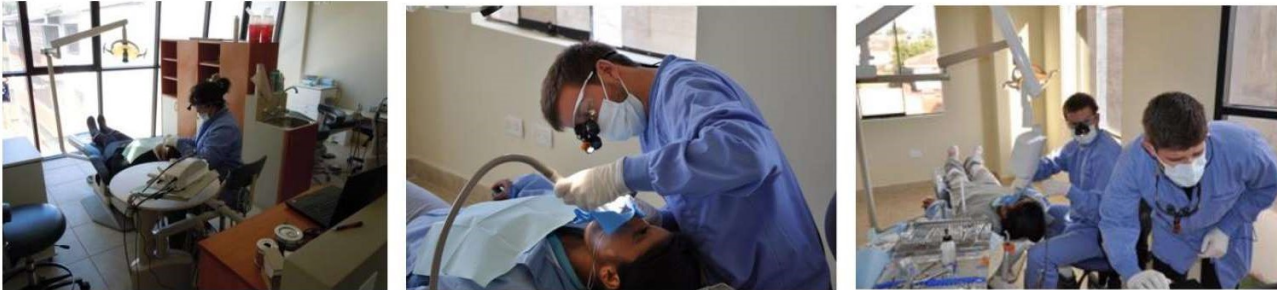


**CerviCusco Clinic Laboratory**



**First SurePath Liquid-based Cytology System in Peru**

**CerviCusco Dental Clinic** CerviCusco hopes to re-open a state-of-the-art dental clinic staffed by a Peruvian Dentist and assistant. The clinic includes electronic dental records, digital x-ray units, a Panorex imaging machine and other modern dental equipment. Dental care has been provided to the region's inhabitants. Faculty, alumni, residents and students from Augusta University have previously worked at CerviCusco Dental Clinic.



## CerviCusco Clinical Research Studies

These Institutional Review Board (IRB)-approved studies conducted at Cervi Cusco have been funded by the US National Institutes of Health and industry. We also conduct investigator-initiated research studies.

- ▮ **Clinical Evaluation of Polarized Light Assisted Colposcopy (NCI R21)**
- ▮ **Evaluation of an incentive for gynecologic exams in Cusco, Peru (NCI RO3)**
- ▮ **Dia del Mercado (Study of Barriers to Cervical Cancer Screening)**
- ▮ **Loop excision of the cervix (Study of patient education prior to surgery)**
- ▮ **Gynecologic Tissue Archive (INEN-Lima)**
- ▮ **Spectroscopy Screening Trial (Guided Therapeutics)**
- ▮ **Cervical cancer education videos (Quechua and Spanish)**
- ▮ **Cervical cancer stage biomarkers (INEN [Peruvian NCI])**
- ▮ **Cervical cancer survivorship biomarkers (INEN)**
- ▮ **Cervical cancer folate receptor biomarker (GY)**
- ▮ **Incentive to improve patient follow up after abnormal Pap test results**
- ▮ **HPV vaccine dosing adherence**
- ▮ **Cervical pre-cancer stigma**
- ▮ **Breast cancer**

**US NIH-funded  
research  
at CerviCusco**



## Education For Aspiring Future Healthcare Professionals



CerviCUSCO offers robust educational programs for students and residents in diverse health care fields. Opportunities (non-clinical) are also available for other students.

### Volunteers- “Helping Hands”

“Helping Hands” is a program to enable individuals without health care training or experience to volunteer at CerviCUSCO. Using their very valuable skills, these individuals greatly augment our operations. Various opportunities are available to assist us in saving the lives of this disadvantaged population.

## Sources Of Funding

CerviCusco has benefitted from various sources of funding since its inception 14 years ago. Because CerviCusco provides healthcare to a majority of impoverished people, revenue generated by clinical care has remained less than 10% of our overhead costs. Such an extremely low rate of clinical revenue is normally insufficient to sustain healthcare services. Consequently, we have relied on external sources of financial support to maintain our operation. These sources have included both generous in-kind and financial donations, income generated from multiple US NIH- and industry-funded research studies, academic institutional support, and income generated from our Friends of CerviCusco volunteer program. Another longtime partner, the International Cervical Cancer Foundation has also provided volunteer support and some financial assistance. In addition, we have greatly benefitted from Social Responsibility volunteers, and in-kind and financial support from various US-based corporations. Without help from these multiple entities, CerviCusco would not be able to provide exemplary medical care to our impoverished, disadvantaged population.

Despite the huge negative financial impact from the COVID pandemic, CerviCusco has remained open to provide critically important medical services while the majority of ambulatory clinics remain closed.

## CerviCusco Partners

### STRATEGIC PARTNERS

**MERCK**

#### Merck and Co., Inc

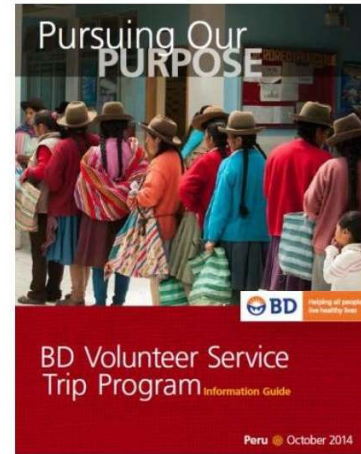
Merck, a global pharmaceutical company, discovers, develops and provides innovative products and services that save and improve lives around the world. Merck has donated 85,200 doses of the Gardasil HPV vaccine, which has enabled CerviCusco to vaccinate thousands of Peruvian men, women and children against HPV, which causes most cases of cervical and other types of cancers. In 2016, CerviCusco became the first non-profit organization in Latin America to receive Merck Global Health Fellow volunteers for three-month rotations to strengthen the work of CerviCusco in the areas of strategy, finance, community relations, cancer education, laboratory services and marketing. As one of 10 non-profit organizations selected worldwide annually, CerviCusco has received this award three times. In addition, other Merck employees have graciously volunteered to assist onsite at CerviCusco or virtually due to the COVID pandemic travel restrictions.





**BD**

BD is a global medical technology company that is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. BD donated 75,000 liquid-based Pap tests and laboratory equipment, enabling CerviCusco to introduce this new technology to Peru. The company also made important financial donations that allowed CerviCusco to expand the capacity of the laboratory, training facilities and administrative areas. In addition, BD purchased a minibus to take staff and volunteers on rural outreach medical campaigns. CerviCusco was exclusively selected by BD and more than 30 skilled BD VST volunteers were sent to assist CerviCusco in improving many phases of its operation for 4 consecutive years. See video for details of BD's collaboration with CerviCusco: <https://www.youtube.com/watch?v=Alem9vJ1DfE>

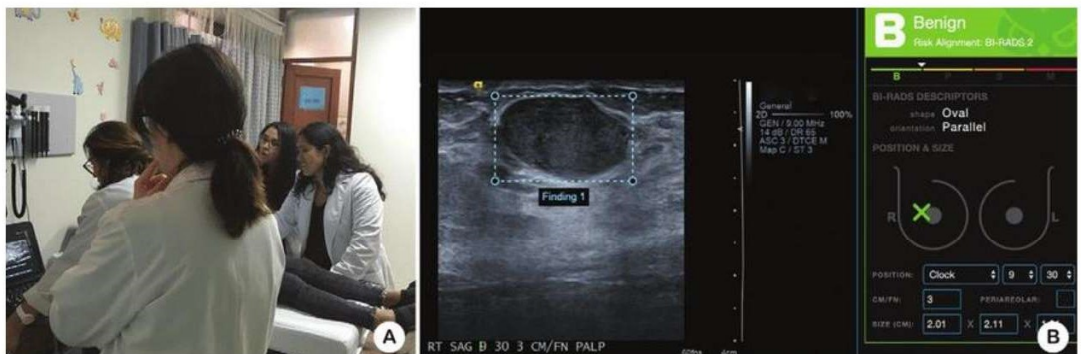


**RAD-AID**

RAD-AID is a humanitarian organization that implements sustainable radiology services in underserved, impoverished, and resource-limited areas of the world. In partnering with CerviCusco, RAD-AID provides valuable radiology education and volunteer assistance with respect to early breast cancer detection. CerviCusco has implemented a collaborative clinical program with RAD-AID using ultrasound technology and Artificial Intelligence interpretations. RAD-AID selected CerviCusco as their first site in Latin America for humanitarian partnership.

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For more information about the RAD-AID/CerviCusco partnership see: <https://rad-aid.org/countries/latin-america-and-the-caribbean/peru/>.



RAD-AID and CerviCusco use artificial intelligence (AI) for breast ultrasound in the Andes Mountains of Peru for earlier detection and risk stratification of breast masses.



### **Instituto Nacional de Enfermedades Neoplásicas (INEN)**

INEN is the Peruvian National Cancer Institute, located in Lima. Cervi Cusco partners with INEN to reduce the morbidity and mortality of breast cancer.

INEN healthcare providers have also contractually agreed to care for patients identified with breast cancers. In the photo below, CerviCusco President meets

with physicians at the **Peruvian National Cancer Institute (INEN)** in Lima, Peru to discuss collaborative research projects.



**We honor Seth Thomas, Global Health Education Student**

May his love, spirit and essence eternally support us.



## BENEFACTORS



### International Cervical Cancer (INCCA) Foundation

The INCCA Foundation, a domestic non-profit corporation (501c3) based in the United States, is committed to

improving the health and quality of life of women through the primary and secondary prevention of female genital tract cancers, including cervical cancer. INCCA's goal specifically targets poor women living in the Andes Mountains, a remote and neglected region of the world with respect to cervical cancer prevention. The INCCA Foundation has been a key supporter of CerviCusco since its launch, providing funding as well as highly skilled volunteers and supporting educational initiatives for local healthcare partners. See [https://www.youtube.com/watch?v=bV77\\_GWfKcK](https://www.youtube.com/watch?v=bV77_GWfKcK) for more information.



### Direct Relief

Direct Relief is a leading medical relief organization, active in all 50 states and in 70 countries. The organization has been among the world's largest medical suppliers for national and international disasters and emergencies, has top charity ratings, including four-star and "top-notch" rating from Charity Navigator, and a 99% fundraising efficiency rating from Forbes magazine. Direct Relief is a very valuable partner with CerviCusco and has provided critically important assistance to our operations.



See video for details of Direct Relief's collaboration with CerviCusco: <https://www.youtube.com/watch?v=Alem9vJ1DfE>

Other information: <https://www.directrelief.org/2016/12/helping-women-in-peru-survive-cervical-cancer-helpthehelpers/>



### Harvard University

Thanks to a donation by a pathologist from Harvard University, Dr. David Wilbur, CerviCusco was able to open Peru's first telepathology center within its onsite laboratory. High resolution images of abnormal cytology (Papanicolaou test) slides are viewed weekly in real time by volunteer pathology experts from

US and Canadian academic medical centers. Such collaboration provided expert virtual consultations for our remote clinic.







### American Society of Cytopathology

A generous Patient Advocacy Grant from the American Society of Cytopathology enabled CerviCusco to

establish the CerviCusco Cytology Screener School (CCCSS) in 2010 in collaboration with the National University of San Antonio Abad in Cusco (UNSAAC). Following one year of training, including a month at Duke University, Erika Escalante became the first Peruvian student to graduate in May 2011, receiving a diploma from UNSAAC. Erika was the first Peruvian certified to interpret SurePath liquid-based Pap tests. She is now employed by CerviCusco and helps volunteers from the INCCA Foundation.



### IBM

A worldwide leader in computer technology, IBM offers an effective social responsibility program for entities like CerviCusco. IBM Corporate Service Corps (CSC) volunteers have provided important strategic planning and critical information technology support for CerviCusco. The program empowers IBM employees as global citizens by sending them to emerging markets in different countries for four week community-based assignments. See video for details of IBM's CSC work at CerviCusco: <https://www.youtube.com/watch?v=dN9SADgx0AE>  
<https://sujoysen.wordpress.com/category/ibm-csc/ibm/>



## ADDITIONAL SUPPORTERS

We also thank **Utah Medical Products Inc., Cooper Surgical, Quest Diagnostics, Nikon, Rotary International, Bristol-Myers Squibb and Esaote** for their generous support of CerviCusco's mission.



Quest  
Diagnostics



Bristol-Myers Squibb



esaote  
north america

## PERUVIAN PARTNERS



**La Quinta Brigada de Montaña** CerviCusco established a contract with La Quinta Brigada de Montaña (5th Mountain Brigade of the Peruvian Army) to provide cervical cancer prevention services to their soldiers and families. Since initiating our formal collaboration, CerviCusco has screened and examined hundreds of patients who provide important security for the region.



**Peruvian National Police** CerviCusco also provides health care services to the Peruvian National Police. These services include the HPV vaccine and other cervical cancer prevention care.



GOBIERNO REGIONAL  
**CUSCO**

**Regional Government of Cusco** CerviCusco has partnered with the Regional Government of Cusco to provide modern cancer prevention and cancer detection services for women. See video for details of CerviCusco and the Regional Government of Cusco's medical campaign to provide services for 3,000 women in a single day: <https://www.youtube.com/watch?v=1JizonN-Tz8>



**Universidad  
Andina  
del Cusco**

**Universidad Andina del Cusco** CerviCusco has an MOU with Andina University of Cusco to collaborate on clinical research studies. The partnership also allows unique educational opportunities for both organizations.



**Es Salud** Es Salud is the Peruvian organization for healthcare and social security. CerviCusco has a clinical and educational MOU with Es Salud Hospital Cusco. Es Salud Hospital provides clinical learning opportunities for CerviCusco volunteer healthcare students and residents. In return, CerviCusco has provided clinical training for Es Salud's medical and nursing staff.



**GERESA** CerviCusco operates in compliance with GERESA, the regional government healthcare entity. In addition, CerviCusco has shared its modern cervical cytology testing and expertise with GERESA clinics and medical providers.



**Lorena Hospital** CerviCusco has an educational MOU with Lorena Hospital in Cusco. One of three main hospitals in Cusco, Lorena provides medical care to primarily the vast impoverished local and regional population. Lorena Hospital provides clinical learning opportunities for CerviCusco volunteer healthcare students and residents. In return, CerviCusco has provided medical equipment and clinical training for Lorena Hospital's medical providers and clinics.



**Peruvian Government** CerviCusco has interacted with government officials at the national level. Peruvian Vice President, and subsequent President, Mercedes Aráoz (left) meets at the Peruvian Capital in Lima, Peru with former CerviCusco Medical Director (center) and the CerviCusco President (right).



**Clinica Pardo** CerviCusco has an educational and research agreement with one of the finest health care facilities in Cusco. Clinica Pardo is a large private hospital with numerous clinical services

staffed by some of the best health care providers in the region. This collaborative program will allow students and residents working at CerviCusco to experience private health care in Peru. Such an opportunity aligns with the goal of CerviCusco by exposing future health care providers to the full spectrum of medical services in the Andes Mountains.



### **OTHER AFFILIATIONS**

In addition to our partners listed above, CerviCusco has had affiliations with multiple US-based universities including Harvard University, Emory University, University of Chicago, University of Georgia, University of Colorado, University of Rhode Island, Duke University, University of California San Francisco, Augusta University, University of South Alabama, Gardner-Webb University, University of South Carolina, Texas A&M, Mercer University, East Carolina University, University of Miami, Medical College of Wisconsin, Virginia Tech, Georgia Southern University, Cornell University, University of Wisconsin, Louisiana State University, University of Tennessee and others.

In addition, healthcare faculty from other academic institutions such as Yale University, Dartmouth College, Columbia University, University of Pennsylvania, University of Pittsburgh, Cleveland Clinic, Mayo Clinic, MD Anderson, Hadassah University, University of New Mexico, University of Virginia, University of Arizona, New York University, University of Alabama Birmingham, University of West Virginia, University of Louisville, University of Massachusetts, University of Colorado, University of Washington and others have assisted CerviCusco.

## CerviCUSCO Information

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 www.CerviCUSCO.org  
 Registered: Peruvian non-government organization (NGO)  
 APCI approved  
 Instituto Nacional de Salud Research Center – RCI 113  
 RUC# 20527888973

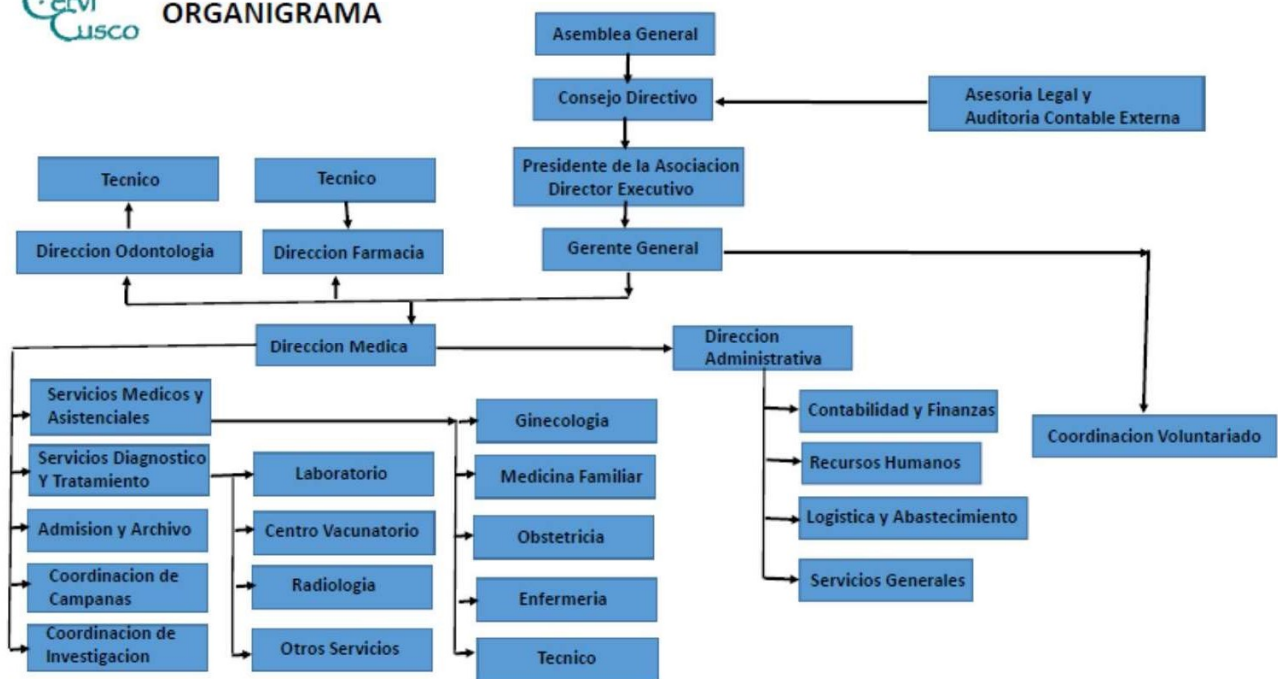


**CerviCUSCO Board of Directors** The CerviCUSCO Board of Directors is comprised of selected individuals from Peru and the United States who have special skills and expertise deemed essential for the growth of the organization. Board members are keenly committed to CerviCUSCO and many have participated clinically in Peru.

Dr. Daron Ferris  
 Dra. Yuleni Flores

Valerie O'Brien, MS  
 Dra. Eliana Ojeda

### ORGANIGRAMA



**CerviCUSCO Videos** To learn more about CerviCUSCO, click on the following links:

*Main Video*

[https://www.youtube.com/watch?v=bV77\\_GWfKCK](https://www.youtube.com/watch?v=bV77_GWfKCK)

*Spanish video 2*

<https://www.youtube.com/watch?v=PrlaZ7RwkFk>

English video 2

<https://www.youtube.com/watch?v=u-RRBYCUxA8>

Additional Video 3

<https://www.youtube.com/watch?v=K1w245jMgio>

## CerviCusco Patients



## Case Study from Urcos, Peru

A horrible, nauseating feeling suddenly overcame the normally mellow, experienced physician. There, magnified before his eyes, was the devastating disease too frequently encountered. Josefina, a 42 year old Peruvian indigenous woman had walked for roughly 8 hours to have her first cervical cancer screening examination. Her lack of empowerment and education, residence in the remote Andes Mountains and inability to afford a Pap test (US \$2.00) had created insurmountable obstacles to preventive health care. Now it was too late. The remaining 12 to 18 months of her life would be a slowly progressive, inhumane torture. Excruciating pain, uncontrolled vaginal bleeding, blockage of her bowels and bladder, followed by severe emaciation and then terminal coma awaited her. After discussing her dilemma with the team of local and foreign expert health care providers, stunned and silent, she walked away toward her village to tend to her flock of animals. Medical treatment was unaffordable, inaccessible, frightening, and at this point, simply futile.

Though Josefina's situation is all too common today in Peru, CerviCusco can help reduce unnecessary death from cervical cancer in the future. CerviCusco will help save the lives of disadvantaged Peruvian women. However, additional support is required to expand our operations so that Josefina's friends and relatives can live healthy, productive lives.

CerviCusco has cervical cancer prevention, screening, diagnostic and therapeutic experience and capabilities that exceed most similar clinics in the United States. In just a brief time, CerviCusco has demonstrated an ability to impact the lives of thousands of underserved women living in the remote Andes Mountains. CerviCusco is implementing a unique, comprehensive, culturally-sensitive plan supported by a group of enthusiastic individuals.

## CerviCusco Summary

- **Global Health Clinic (NGO)**
- **Women's Health Center and Dental Clinic**
- **Cervical Cancer Prevention Center of Excellence**
- **Early Breast Cancer Detection Services with Artificial Intelligence**
- **Serves high risk population**
- **Peruvian INS-approved Clinical Research site**
- **Peru's first TelePathology System (with Harvard University and College of American Pathologists)**
- **Peru's first SurePath Liquid-based cytology system (BD grant)**
- **Peru's first CytoScreener School (ASC grant)**
- **US non-profit/industry support**
- **Unique patient and provider education**
- **Internationally-recognized Colposcopy and Treatment capability**
- **>60,000 patients evaluated in 13 years at CerviCusco**
- **Cervical Cancer Screening program for >1,800 patients/day**
- **>15,000 patients evaluated each year**

