

innovating to save lives



an affiliate of Johns Hopkins University

Beyond Survival:

Ensuring Quality Health Care for All

Jhpiego Annual Report 2014



Cover photo by Karen Kasmauski/MCSP

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LETTER FROM PRESIDENT AND CEO

2014 was an extraordinary year of growth and achievement for Jhpiego, a year unparalleled in our 42-year history. From the start-up of an ambitious malaria prevention project in Burkina Faso to receipt of the prestigious United Nations Population Award—the only such honor given annually by this esteemed body—to our enterprising response to the Ebola crisis, Jhpiego has led by example. We have innovated new solutions to global health problems, demonstrated our technical leadership and positioned Jhpiego for the next opportunity, the next challenge, the next decade.

How have we done this? In many ways and through the support and encouragement of the governments, donors, organizations and corporations that we partner with worldwide. We reaffirmed our leadership in maternal and child health by winning the U.S. Government's flagship award to reduce preventable deaths of mothers, newborns and children, the Maternal and Child Survival Program (MCSP). At the outset of the award, 18 countries said, "We want to join you." Such enthusiastic participation so early in the process is evidence of their commitment to improving the lives of women and families in their countries. It is also an overwhelming endorsement of our stewardship of the six-year Maternal and Child Health Integrated Program (MCHIP) and the work of our partners, which led to incredible success in improving health outcomes for women and families worldwide. Today, nearly all of the 24 priority countries identified for inclusion in MCSP are participating. Our work under this important global initiative has the potential to significantly reshape the maternal and newborn landscape—moving countries beyond just basic survival and onto equal access and improved quality of life.

In June, a delegation from Jhpiego traveled to New York to receive the UN Population Award, an incredible honor for our organization, which was founded to meet the reproductive health needs of women in the developing world. At that same time, our teams in India and Kenya were forging exemplary gains in access to family planning for postpartum women, one of the most efficacious ways to improve the health of mother, baby and family. It's a testament to our partner countries and their commitment to reproductive health and family planning that together we are leading the way in expanding access for women and families.



Leslie Mancuso, President and CEO. Photo by Indrani Kashyap

In other 2014 accomplishments, we hosted our first adolescent health summit, coinciding with the opening meeting of the United Nations General Assembly, and heard directly from young leaders on their health care needs and ways to serve them. Jhpiego selected its first group of gender champions, who will be at the forefront of program strategies to reach gender equality in health services and within the home. And, to our delight, Jhpiego has joined with the Government of Kenya, county government leaders and AstraZeneca in Kenya to debut an initiative in combating hypertension, a leading killer of women in Africa.

On the HIV prevention front, our work in voluntary medical male circumcision hit an extraordinary milestone last year—more than 1.4 million youth and young men in 11 countries received this HIV prevention procedure as part of a comprehensive package of health services. Through the President’s Emergency Plan for AIDS Relief, Jhpiego worked with the governments of Angola and South Sudan to introduce lifelong antiretroviral treatment to pregnant and breastfeeding women who are HIV-positive.

When the Ebola outbreak hit West Africa, Jhpiego marshalled our experts from all facets of the organization—led by our technical leadership office along with innovations, global programs, new program development and communications—to map out a strategy to respond to this devastating disease to safeguard health workers and their communities.

As is our practice, we relied on a proven, evidence-based intervention—infection prevention and control. We leveraged our expertise and worked on parallel tracks with governments at the center of the outbreak to update the skills of more than 1,000 frontline health workers across the region and help prepare for the next outbreak. Most exciting, with our Johns Hopkins University colleagues, we helped to develop a prototype of a new, improved personal protection suit to keep nurses, midwives and physicians safe while treating patients with infectious diseases.

As 2014 was drawing to a close, we were thrilled to learn that the suit designed by Jhpiego and our partner, the Johns Hopkins Center for Bioengineering Innovation & Design, was selected as one of five winners of the U.S. Agency for International Development’s Fighting Ebola: A Grand Challenge for Development competition.

Our annual report for 2014 offers even more examples of the commitment of our 2,300 employees working tirelessly in more than 50 countries to prevent the needless deaths of women and families. It is a compendium of our impact locally, nationally and globally, and our uncompromising commitment to make our world healthier for all.


Leslie Mancuso, President and CEO



**WHERE
A WOMAN LIVES
SHOULD NOT
DETERMINE
IF SHE
LIVES**

Photo by Karen Kasmauski/MCSP

That's at the heart of Jhpiego's mission to prevent the needless deaths of women and their families. For more than 40 years and in 155 countries, Jhpiego, an affiliate of Johns Hopkins University, has worked to bring high-quality health services to women regardless of where they live. As results-driven, technical leaders in global health practice, we work with governments across Africa and Asia to build a skilled health workforce and develop strong health systems to ensure that communities have access to high-quality, lifesaving and affordable care. We do this by developing clinical and programmatic approaches that are safe and effective, low-cost, high-impact and accessible to all. Jhpiego-supported programs served communities where 854,728,305 live.

Innovation is at the forefront of our work, from advancing an inexpensive, single visit, screen-and-treat approach for cervical cancer, to designing an improved Ebola protection suit. From Afghanistan to Zambia, Jhpiego is committed to keeping women alive and healthy. We know that healthy women are the foundation of strong families, and healthy families are the bedrock of prosperous communities.

IMPACT AT A GLANCE

854,728,305
PEOPLE LIVE IN
DISTRICTS WHERE
Jhpiego supported
PROGRAMS

63,675
Health Care Providers
TRAINED

JHPIEGO
SUPPORTED
TRAINING IN
559 SCHOOLS

Global Reach

Countries

51

Provinces

248

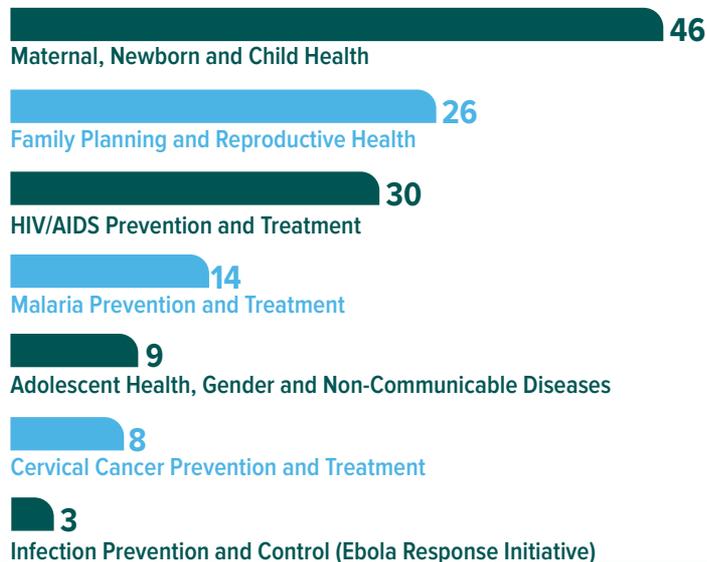
Districts

1,514

Facilities

16,597

Number of Programs in Key Intervention Areas





5.3 million women adopted family planning method including 450,000 intrauterine devices



112,863 women screened for cervical cancer in **6 countries & 67 percent treated** on same day



872,779 women received 2 doses of intermittent preventive treatment for malaria



1.9 million individuals received HIV testing and counseling and test results



1.5 million voluntary medical male circumcisions supported by Jhpiego

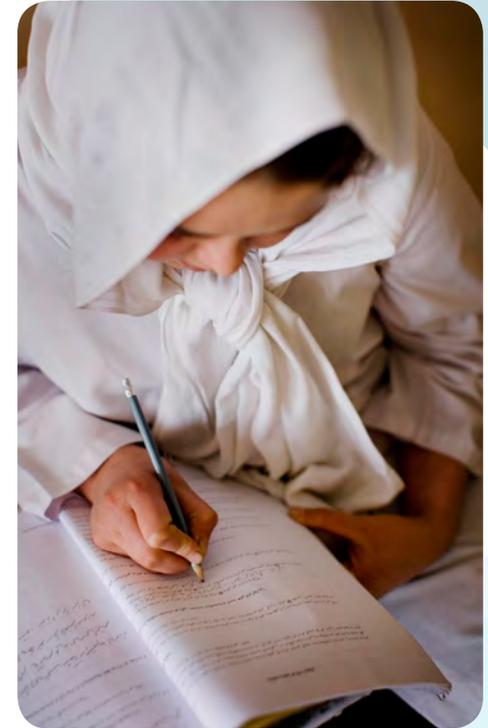


Photo by Kate Holt



Photo by Kate Holt

MATERNAL, NEWBORN AND CHILD HEALTH

Despite maternal death rates decreasing by almost half over the past 20 years, 289,000 mothers still die each year during what should be the most joyous times in their lives, pregnancy and the birth of a child. In addition, 6.3 million children die before their fifth birthday from preventable causes. But Jhpiego's work isn't about numbers—it's about people. It's about mothers, daughters, fathers, families. It's about basic human rights—rights that should be available to all people regardless of their geographic location, economic status or cultural practices. Delivering high-quality antenatal services, promoting respectful maternity care, ensuring that women have skilled care on the day of birth and advancing care after childbirth are integral to women and babies surviving childbirth and thriving. With maternal health programs in 30 countries, Jhpiego is working in collaboration with countries to make this a reality for all. Our impact is being felt through global health entities and national governments and in local communities.

GLOBAL ACHIEVEMENTS

Jhpiego—and its consortium of U.S.- and field-based partners—was chosen for and is leading the U.S. Government’s global flagship **Maternal and Child Survival Program**, a \$500-million, five-year partnership focused on implementing high-impact interventions to end preventable deaths of mothers and children within a generation. The award follows on Jhpiego’s lifesaving work in 50-plus countries through the U.S. Agency for International Development’s Maternal and Child Health Integrated Program (MCHIP), which concluded in 2014.

USAID-Awarded Maternal and Child Health Integrated Program

In spearheading global health policy changes and improvements, MCHIP:

- Organized the first of its kind Global Newborn Health Conference, which brought together more than 450 researchers, health officials, policymakers, experts and advocates from over 50 countries, and which led to the development of the Every Newborn Action Plan, aimed at reducing the annual global death toll of nearly 3 million babies in the first month of life;
- Contributed to World Health Organization’s “Statement for Collective Action for Postpartum Family Planning” to emphasize the importance of postpartum family planning (PPFP) and offer general approaches for addressing unmet need and expanding the range of contraceptive options during the postpartum period; and
- Supported 182 policy and guideline changes in 24 countries that strengthened or improved quality improvement approaches; financial management; pre-service education curricula; immunization; integrated malaria prevention and treatment packages; PPFP interventions; and prevention of mother-to-child transmission of HIV.

\$500,000,000
FIVE-YEAR
FUNDED AWARD

Key MCHIP impacts also include:

- Nearly 1.8 million deliveries attended by a skilled health care provider;
- More than 53 countries benefited from evidence-based practices and policies;
- 1.1 million women received active management of the third stage of labor;
- 30 countries expanded programs to prevent life-threatening bleeding after childbirth;
- Antibiotic treatment provided for more than 309,000 newborns;
- Innovative newborn resuscitation program—Helping Babies Breathe—adopted in 25 countries;
- Treatment of 830,000 cases of diarrhea supported; and
- More than 223,000 cases of child pneumonia treated with antibiotics.

Helping Mothers Survive, an innovative health worker training package designed to improve quality of care and reduce maternal and newborn deaths on the day of birth, has been used in over 50 countries, including for the first time Tajikistan, Kyrgyzstan and the Philippines in 2014. More than 1,500 frontline health workers have participated in Jhpiego-supported trainings in these lifesaving skills using this training package and such innovative tools as the MamaNatalie birth simulator and the NeoNatalie newborn resuscitation model.



“One day of this training is worth more than five days of lectures.”

– Tajik midwife after her Helping Mothers Survive workshop

NATIONAL ACHIEVEMENTS

The Maternal and Neonatal Survival (EMAS) program in **Indonesia** has been working in health facilities and hospitals in 33 districts across the country to improve maternal and newborn survival. Giving birth with a skilled health care provider in a facility is key. In EMAS-supported facilities in 2014, 137,736 women gave birth with a skilled attendant and 97 percent received a uterotonic in the third stage of labor. Of the 136,353 live births, 60 percent of newborns were breastfed within the first hour of life.

In Nepal, Jhpiego worked with the Ministry of Health and education leaders to develop a learning resource package to train teams of physicians and nurses in repairing obstetric fistula. Jhpiego also oversaw the start-up of a national fistula surgical repair center with qualified trainers and conducted on-the-job trainings for health care providers in this area.

The Safe Childbirth Checklist is a simple tool approved by the World Health Organization to ensure that health care providers carry out a series of important tasks before and during birth that can signal potential complications. Based on our work in **India**, where the checklist has been used in 100 health facilities, Jhpiego has developed a robust mobile version of the paper checklist to expand its use in low-resource settings.

The Ministry of Public Health in **Afghanistan** adopted as a national strategy the postpartum hemorrhage prevention program using misoprostol, including this intervention in the basic package of health services.

In Sindh province in **Pakistan**, MCHIP is developing 1,000 maternal, newborn and child health centers to increase access to high-quality maternal care for mothers and newborns; 190 midwives have participated in this initiative. Each midwife has the potential to serve an estimated 5,000 women and their families.



The benefit of an improved health facility and system: Suriyana's baby boy was successfully resuscitated by a midwife trained through the EMAS program.



Lateefan Chandio, a community midwife in Pakistan, learned business skills through MCHIP to strengthen her midwifery practice.

A close-up photograph of a hand holding a blister pack of pills. The blister pack is white with blue and red markings. In the background, a woman with dark hair, wearing a pink and blue patterned shirt, is looking towards the camera. The image is overlaid with a large, semi-transparent blue and green geometric shape on the left side.

FAMILY PLANNING AND REPRODUCTIVE HEALTH

Photo by Kate Holt

Jhpiego believes strongly in giving women access to the best in reproductive health services and care. Family planning (FP), a key strategy in improving the health of women and their families, enables women to practice healthy timing and spacing of pregnancies, which can reduce child deaths by 25 percent and cut maternal deaths by one-third. Yet, over 225 million women in developing countries who don't want to get pregnant lack access to contraceptives and voluntary FP information and services. Jhpiego is a leader in improving access to FP for a woman after childbirth and expanding access to long-acting, reversible contraceptive methods such as the postpartum intrauterine device (PPIUD). By integrating FP into relevant maternal, newborn and child health and HIV/AIDS services, we are addressing the needs of urban and rural populations. With postpartum family planning (PPFP), Jhpiego emphasizes the importance of systematically providing FP information and services during routine antenatal, postnatal and child health visits. In 2014, Jhpiego provided technical assistance in FP to more than 23 countries, including Burkina Faso, Guinea, India, Indonesia, Kenya, Pakistan, the Philippines and Yemen.

GLOBAL ACHIEVEMENTS

Jhpiego received the 2014 **United Nations Population Award** in ceremonies at UN headquarters in New York. Established in 1981, the award recognizes outstanding contributions in the fields of population and health.

Jhpiego contributed to the development and publication of the 2014 **“Providing Contraceptive Implants Learning Resource Package,”** accessed nearly 6,000 times and accompanied by two webinars attended by implementing partners, donors and technical experts around the world.

Jhpiego-supported programs **helped 5.3 million women adopt a FP method**, including more than 664,108 who accepted an IUD.

More than **8.3 million couple years of protection** (CYP) were achieved in 16 countries, with the scale-up in India accounting for more than half of those CYP.

“The Population Award is an expression of our joint commitment to ensure a life of dignity for all and to build a world in which every pregnancy is wanted, every childbirth is safe, and every young person’s potential is fulfilled.”

– Jan Eliasson, Deputy Secretary-General
of the United Nations

NATIONAL ACHIEVEMENTS

In Kenya, the Jhpiego-led urban reproductive health project known as Tupange, funded by the Bill & Melinda Gates Foundation and operating throughout Kenya, exceeded its expected results halfway through the project, reaching a contraceptive prevalence rate of 53.5 percent, up from a projected target of 48 percent.

The Government of **India's** investment in PPFp will reach \$12.4 million in FY2014–FY2015. This is an unparalleled commitment to a strategy advocated by Jhpiego and implemented by the Government of India, in partnership with USAID, the Gates Foundation, the William and Lucile Packard Foundation, the Norway India Partnership Initiative and others, to revitalize the IUD, a long-acting method of FP.

In the Philippines, the National Development Board Authority, the agency involved in health strategy and planning, recognized the Jhpiego-led MCHIP with the Gawad Galing Pook Award for its work in establishing the Center of Excellence for PPFp/PPIUD in the country.

Youth health forums in **the Philippines** sponsored by the MindanaoHealth Project reached more than 2,071 young men and women, ages 15–24, with educational messages on the health benefits of delaying pregnancy and other reproductive health issues.

In Tanzania, the Jhpiego-led Mothers and Infants, Safe, Healthy and Alive (MAISHA) program used an integrated care approach to provide comprehensive maternal health services to HIV-positive mothers, including access to PPFp as part of postpartum care. Through MAISHA-supported health facilities, 3,612 HIV-positive women received postpartum care during the course of the program (2008–2014).



Nurses in India are leading the government's efforts to increase access to PPFp by counseling women and their spouses on the use of a long-acting postpartum IUD.



Midwifery student Wella Taniola, a speaker at a MindanaoHealth adolescent health forum, discusses the health benefits of delaying pregnancy to a group of 250 youth and offers them the opportunity to pledge to delay pregnancy on a commitment wall.



Photo by Indrani Kashyap

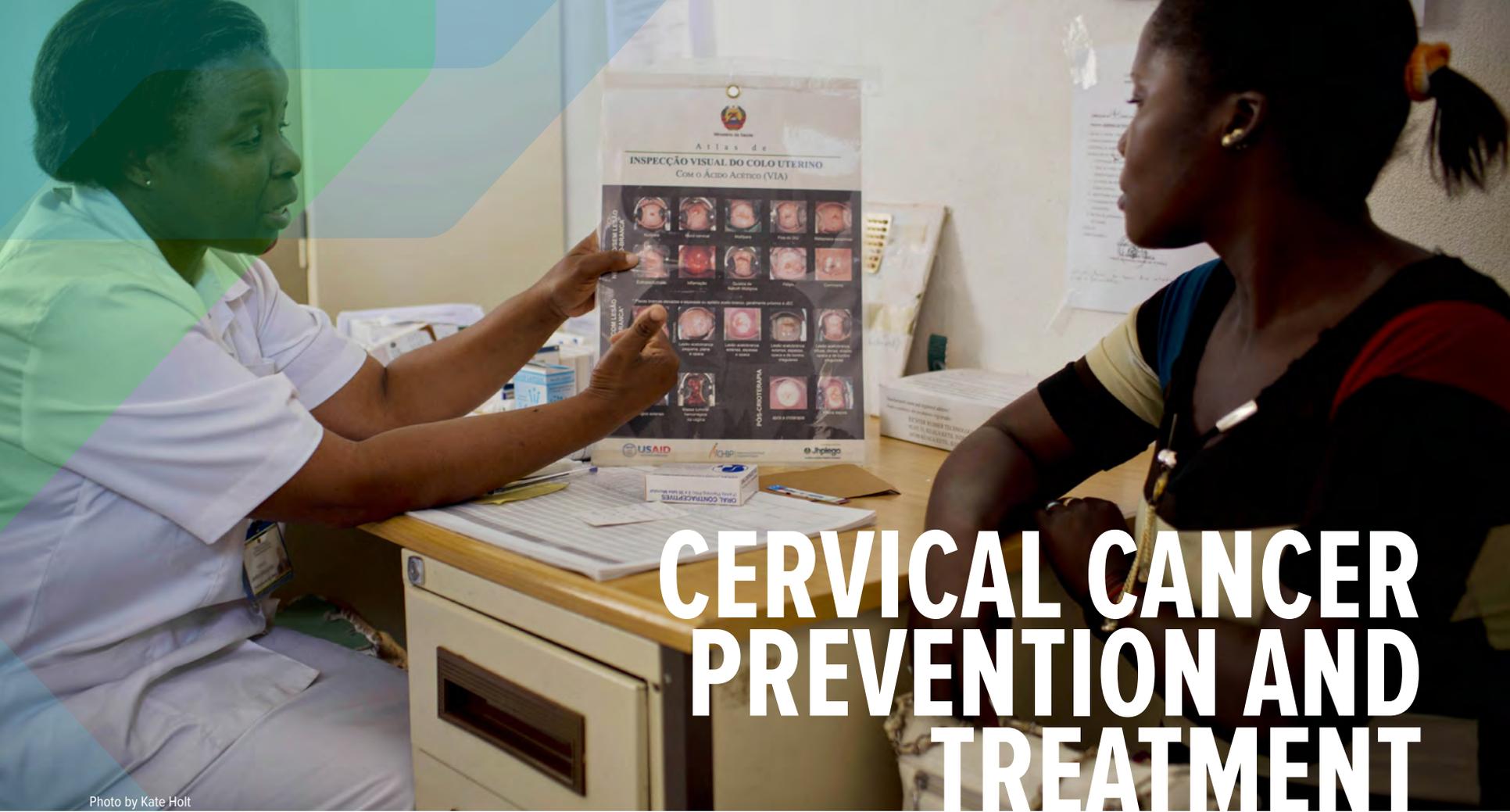


Photo by Kate Holt

CERVICAL CANCER PREVENTION AND TREATMENT

Forty years ago, cervical cancer was the leading cause of cancer-related deaths for women in the United States. Today, thanks to widespread access to regular screening, of the 265,000 women globally who die from cervical cancer each year, only a fraction are in the U.S. Shockingly, 95 percent of women in the developing world have never been screened for cervical cancer, leading to 85 percent of global deaths from this disease taking place in countries like the Philippines and Mozambique. These grim statistics underscore the dire need for comprehensive cervical cancer prevention and treatment services and Jhpiego's determination to reach women in need. Recognizing the importance of early screening, Jhpiego pioneered an innovative, low-cost technique to ensure that women, no matter where they live, can be screened and treated. Through Jhpiego's technical assistance and training expertise, health care workers in seven countries are using the single visit approach to screen tens of thousands of women and offer same-day cryotherapy treatment to those with precancerous lesions.

GLOBAL ACHIEVEMENTS

Jhpiego contributed to *Comprehensive Cervical Cancer Control: A Guide to Essential Practices*, 2nd edition. The guide includes the endorsement of visual inspection with acetic acid (VIA) and cryotherapy, and linking of screening and treatment, including the single visit approach, as an option for secondary prevention of cervical cancer. Jhpiego was a member of the steering group that oversaw development of the latest edition of the guide and helped draft the content.

More than 112,000 new cervical cancer screenings were performed in six countries: Burkina Faso, Côte d'Ivoire, Kenya, Mozambique, Tanzania and Zambia; 67 percent of the women screened and found to have precancerous lesions received treatment the same day.

Jhpiego won the **2014 Classy Award**, the largest social impact award in the U.S., for its innovative screen-and-treat approach to prevent cervical cancer in women in the developing world.



A midwife receives training on cryotherapy to treat precancerous lesions.

NATIONAL ACHIEVEMENTS

Through an award from the International Planned Parenthood Foundation, Jhpiego is building the capacity of health care workers from **Caribbean** countries to screen women for cervical cancer using the single visit approach.

In Tanzania, under the MAISHA program's integrated services approach, 37,667 new clients were screened for cervical cancer using VIA from April 2010 to February 2014; 31 percent of clients screened were HIV-positive. In addition, 95 percent of clients identified as having pre-cancerous lesions and eligible for cryotherapy treatment received treatment the same day. Also, 16,184 eligible clients from August 2010 to February 2014 were offered provider-initiated testing and counseling (PITC) for HIV. Of these clients, 15,536 or 96 percent accepted testing. In total, 819 women were identified as HIV-positive through PITC services.



HIV/AIDS PREVENTION AND TREATMENT

After decades of effort, the path toward an AIDS-free generation is becoming clear. Knowing one's status is the first step to prevention and treatment. Jhpiego-supported programs provide a comprehensive package of services that begins with testing and counseling. In the area of prevention, voluntary medical male circumcision (VMMC) is increasingly playing a pivotal role by reducing the risk of female-to-male HIV transmission by at least 60 percent. Impact modeling studies show that rapidly scaling up VMMC to reach 80 percent of reproductive age men would avert an estimated 3.4 million new HIV infections. Jhpiego has been at the forefront of this prevention intervention and has translated groundbreaking Johns Hopkins University research on VMMC into practical methods for combating HIV in countries with the highest burden of disease. Jhpiego is working in 17 countries in Africa and the Caribbean to support efforts toward an AIDS-free generation.

GLOBAL ACHIEVEMENTS

Jhpiego-supported programs in 11 countries **performed 1,438,192 VMMCs** from 2009 to 2014, averting an estimated 179,000 future infections by 2025.

NATIONAL ACHIEVEMENTS

Option B+—a World Health Organization-recommended strategy to provide lifelong antiretroviral treatment to all pregnant and breastfeeding women who test positive for HIV—was introduced and offered in Angola and South Sudan under the President’s Emergency Plan for AIDS Relief (PEPFAR). Jhpiego is also contributing to wider PEPFAR efforts in Kenya, Malawi, Mozambique and Zambia.

Rwanda began scale-up of **PrePex™**, an innovative, non-surgical device for adult male circumcision supported by the U.S. Department of Defense; more than 13,000 PrePex circumcisions were conducted in the first six months of programmatic scale-up.

A home and community HIV testing and counseling program, supported by the U.S. Centers for Disease Control and Prevention, **provided service to more than 1.2 million clients** in Mozambique, ensuring that HIV-positive clients are linked to care and treatment, and referring HIV-negative men and youth to VMMC services.

“Now that I have gone through it [circumcision using PrePex], and I know how it feels, and my colleagues saw that I could carry out all my duties without difficulties, it will be easy to convince the rest of the group to come forth.”

— Isaac Rasesia, the Safety, Health and Education Officer at Estate Construction Company, Molepolole, Botswana



More than two dozen construction workers in Botswana participate in a new safe male circumcision procedure that uses a non-surgical device. The use of PrePex means clients don't have to lose time from work.



INFECTION PREVENTION AND CONTROL EBOLA RESPONSE INITIATIVE

Photo by Chandrakant Ruparelia

If ever there was a public health crisis that merits the finest science, medicine and innovation the world has to offer, it is the Ebola outbreak that swept through West Africa. Jhpiego marshalled its experts in infection prevention and control (IPC) to help contain the spread of Ebola and reestablish maternal and child health services in Liberia and Guinea. Working in collaboration with the Department of Hospital Epidemiology and Infection Control at Johns Hopkins Hospital, we revamped our gold-standard IPC procedures and training for Ebola and rolled out in-country workshops to support health workers. Not knowing where Ebola would strike next, Jhpiego also led regional trainings to prepare other health care providers and professionals from neighboring countries so they would have the capacity to respond quickly and expertly.

As part of our follow-up in Liberia, Jhpiego delivered more than 19,000 IPC mobile phone messages to 500 Liberian health workers in just one month. During the crisis, our focus has been to help rebuild health systems by sharing our best expertise and experience to save lives.

GLOBAL ACHIEVEMENTS

Jhpiego developed an updated **Ebola manual and learning resource package**, *Prevention and Control of Ebola Virus Disease in Health Care Facilities with Limited Resources*, in collaboration with Johns Hopkins Medicine.

Jhpiego, in partnership with the Johns Hopkins Center for Bioengineering Innovation & Design, was **one of five winners in USAID's Fighting Ebola: A Grand Challenge for Development competition** for designing an improved personal protection suit to keep frontline health workers safe while on the job.

NATIONAL ACHIEVEMENTS

Jhpiego, in partnership with the Governments of Guinea and Liberia, led training workshops in IPC for 999 frontline health care workers in **Guinea** and 400 health workers in Liberia.

Jhpiego conducted six workshops in **Ghana, Tanzania and Togo** to update trainers in Ebola preparedness and IPC measures; 100 participants from 28 African countries attended.

Jhpiego led trainings in IPC for communities in **Monrovia, Liberia** and the surrounding area, sharing Ebola-preparedness guidelines, health education and safe burial practices with military health personnel, religious groups, beauty industry workers, market vendors and traditional birth attendants.



Photo by Jacqueline Aribot

“This Jhpiego training will influence me to make positive behavior changes and raise my awareness of IPC practices that we neglected. This training has closed the door on ignorance related to infection prevention and opened a door on behavior change.”

– Dr. Thierno Souleymane Diallo,
Ebola survivor from Guinea who attended a Jhpiego-led
IPC training for frontline health workers in Conakry



Photo by Karel Prinsloo

MALARIA PREVENTION AND TREATMENT

Despite impressive gains over the past decade to defeat malaria, an estimated 584,000 people died from malaria in 2013, according to the World Health Organization's *World Malaria Report*. Pregnant women and children under five years old are particularly vulnerable to malaria because of their compromised immune systems. Malaria in pregnancy often contributes to dangerous health consequences for the mother and her unborn baby, including severe maternal anemia, low birth weight and even death. For children under five, malaria remains the leading cause of death in sub-Saharan Africa. Significant investments in improved prevention, diagnosis and treatment, however, can mean the difference between life and death. Jhpiego is working in 14 countries with governments, health organizations, providers, funders and the private sector to reduce malaria-related deaths. From public-private partnerships that train health workers in high-risk communities to increased commitment from countries to strengthen health systems and buy-in from local communities to protect their citizens, we are making a difference in the lives of people affected by this preventable and treatable disease.

GLOBAL ACHIEVEMENTS

Jhpiego programs contributed to **872,779 pregnant women receiving two doses of intermittent preventive treatment in pregnancy (IPTp)** in 12 countries in 2014 to prevent malaria in pregnancy.

Jhpiego, in partnership with the Roll Back Malaria (RBM) Malaria in Pregnancy Working Group, **supported regional malaria in pregnancy updates** for Ministry of Health leaders at each of the RBM Regional Network Annual Meetings (East, Southern, West and Central Africa), representing 48 countries.

NATIONAL ACHIEVEMENTS

Jhpiego leads the USAID-supported Improving Malaria Care project in **Burkina Faso**, which supports the National Malaria Control Program to strengthen malaria prevention and treatment in health services and in communities. In 2014, the project's work led to improving capacity of 68 national trainers and more than 750 health workers and school instructors in 21 districts. The number of pregnant women receiving IPTp treatment doses rose by 11 percent in target districts, compared to only five percent nationally.

In **Chad and Cameroon**, a unique public-private partnership between Jhpiego, ExxonMobil and the Ministries of Health has prepared 356 health workers, including 168 community health volunteers, to provide services such as education and referral or treatment in high-risk districts. At the 73 project-supported sites, 50,148 patients with fever were seen, 39,937 rapid diagnostic tests completed and 27,248 people treated between January and November 2014.



Insecticide-treated bed nets help prevent malaria in Cameroon. Photo by Danielle Burke



Nurse Cecile Ella Oyono, who works at a Jhpiego-supported health facility in Kribi District in Cameroon, successfully treated this young boy who tested positive for malaria. Photo by Danielle Burke



INNOVATIONS

Jhpiego was founded on a culture of innovation. From those early days sharing the latest in reproductive health technology with physicians from Mexico to Kenya to Egypt to South Korea, Jhpiego has recognized and advanced innovative thinking to meet the needs and challenges of delivering high-quality health services to the most vulnerable. We bring that creative spirit to our technical work and global program operations to save lives. Over 42 years, our low-cost innovations have helped revolutionize cervical cancer screening in low-resource settings and prevent postpartum hemorrhage in home births, expand access to voluntary medical male circumcision, and design an improved personal protective suit so that frontline health workers can safely and with confidence treat patients with infectious diseases. The protective suit was designed in concert with the Johns Hopkins Center for Bioengineering Innovation & Design, a partnership that continues to grow and thrive and introduces the University's engineering stars to the global health challenges facing women and families in impoverished places.

GLOBAL ACHIEVEMENTS

The National Institutes of Health awarded \$490,004 to support research on the performance, safety and efficacy of **CryoPop**, an affordable, portable, more robust cryotherapy device developed by Jhpiego to treat precancerous lesions on the cervix. The grant will advance CryoPop by supporting the first human tests, an important milestone in bringing the innovation from design to implementation at a global scale.

Jhpiego and the Johns Hopkins Center for Bioengineering Innovation & Design convened a university-wide workshop to innovate an improved **personal protection suit** for health workers. An estimated 90 participants joined the work sessions to engineer a solution to keep health workers safe.

Accelovate, a partnership between Jhpiego and USAID, **launched a successful “open innovation” design competition** to engage a diverse group of thought-leaders, experts and engineers to develop the best possible solution for a global health challenge. This strategic leadership initiative led to a dozen participants from six countries working together on a low-cost modular support device to transform the wheelchair landscape for children in the developing world. As a result, three design solutions attracted funding to further develop their products.

OTHER ACHIEVEMENTS

GIS mapping enabled our **Tanzania** team to identify remote areas where HIV prevention services are lacking, resulting in more than 200,000 voluntary medical male circumcisions performed.

Real-time data monitoring developed by Jhpiego’s **Pakistan** team tracked the activities of 1,000 community support groups, such as greeting clients, providing basic health information and problem-solving, and helped to identify and share best practices for engaging community members.



“If it were not for the challenge, I don’t think half of the designs you saw today would have been developed I can imagine, from the event today you will see lasting impact for many, many years because the contacts that were built, the inspiration, the connections, the potential collaborations are all going to continue for a long time.”

– Prof. Youseph Yazdi, Executive Director,
Center for Bioengineering Innovation & Design,
on Accelovate Wheelchair Design Day



STRENGTHENING HUMAN RESOURCES FOR HEALTH

Expanding access to quality care cannot be successful in isolation. Standardized systems of care and adequate checks and balances must be in place to protect both health workers and the people receiving treatment and care. Jhpiego works with governments to establish policies and build regulatory systems that are needed to define the scope of practice of health workers, ensure high-quality education systems, and maintain and monitor competency of those in practice.

NATIONAL ACHIEVEMENTS

In Mozambique, Jhpiego worked in partnership with the Ministries of Health and Finance to develop the Human Resources Information System, a Web-based database of all health workers in the country, linked to the government payroll system, with assistance from other partners such as Belgian Technical Cooperation.

The Ministry of Health has implemented a national reform of the mid-level nursing careers based on a task analysis performed by Jhpiego at their request. The curriculum reform was adopted in all 15 Ministry of Health training institutions and, in addition to introducing or reinforcing competency-based training, it helped to increase the output of nurses by an estimated 18 percent in three years.

In Botswana, through Health Training Institutes, Jhpiego has helped the government build its capacity to consistently and sustainably produce health care professionals who graduate with the knowledge, skills and confidence needed to provide quality primary care services. This included working with the Nursing and Midwifery Council of Botswana to develop an evidence-based licensing exam to ensure that the competency of each nurse is assessed and documented prior to entry and practice.

Jhpiego supported the government of **Myanmar's** efforts to strengthen the skills of health care providers by training 16 master mentors from Central Women's Hospital and 10 general trainers from Thanlyin and from North Dagon Hospitals. This was the first time that doctors, nurses and midwives were trained together and it proved to be a successful model for mixed-cadre training. These providers cascaded the technical updates to other providers.

Jhpiego is also working in partnership with the government to strengthen the midwifery education system—it carried out the first round of assessments in five midwifery schools in Pyay, Hpa-An, Magway, Taunggyi and Monywa and in one lady health visitor school in Yangon.



Midwives in Myanmar—affectionately referred to as “Red Angels,” in part because of their uniforms of red longyi and white hats and for the lifesaving skills they provide to women and their infants—are a critical part of rebuilding the country’s health care system.



NEW INITIATIVES: ADOLESCENT HEALTH, GENDER AND NON-COMMUNICABLE DISEASES

Photo by Juozas Cerius

In our continuing efforts to keep women and families healthy and thriving, Jhpiego is developing new program initiatives in three critical areas—adolescent health, gender-based violence and non-communicable diseases. The statistics surrounding these pressing global health concerns underscore our decision—youth make up 1.8 billion of the world’s population and are mostly absent in health facilities around the world because traditional services aren’t meeting their reproductive health needs. Violence in the home or among partners can lead to severe health consequences for women and keep them from accessing care. Cardiovascular disease is the leading cause of death among Africans over 45 and the continent has the highest prevalence of adults with hypertension, which can lead to strokes and other life-threatening diseases. Jhpiego will bring to these issues the same technical expertise and evidence-based standards that have been the hallmarks of our 42 years.

ACHIEVEMENTS

Jhpiego convened an Adolescent Reproductive Health Summit, drawing more than 60 participants and speakers from across the globe and public and private sectors to develop evidence-based, scalable programs to respond to the growing health needs of the world's 1.8 billion youth. The summit followed a high-level panel hosted by Jhpiego in New York during the opening of the United Nations General Assembly.

AstraZeneca awarded Jhpiego its first-ever **Heart Healthy Africa program**, a Kenya-based initiative designed to increase awareness of hypertension, train health care providers and offer education, screening and treatment to increase access to lifesaving health services. Jhpiego joins six other partners in this 18-month project.

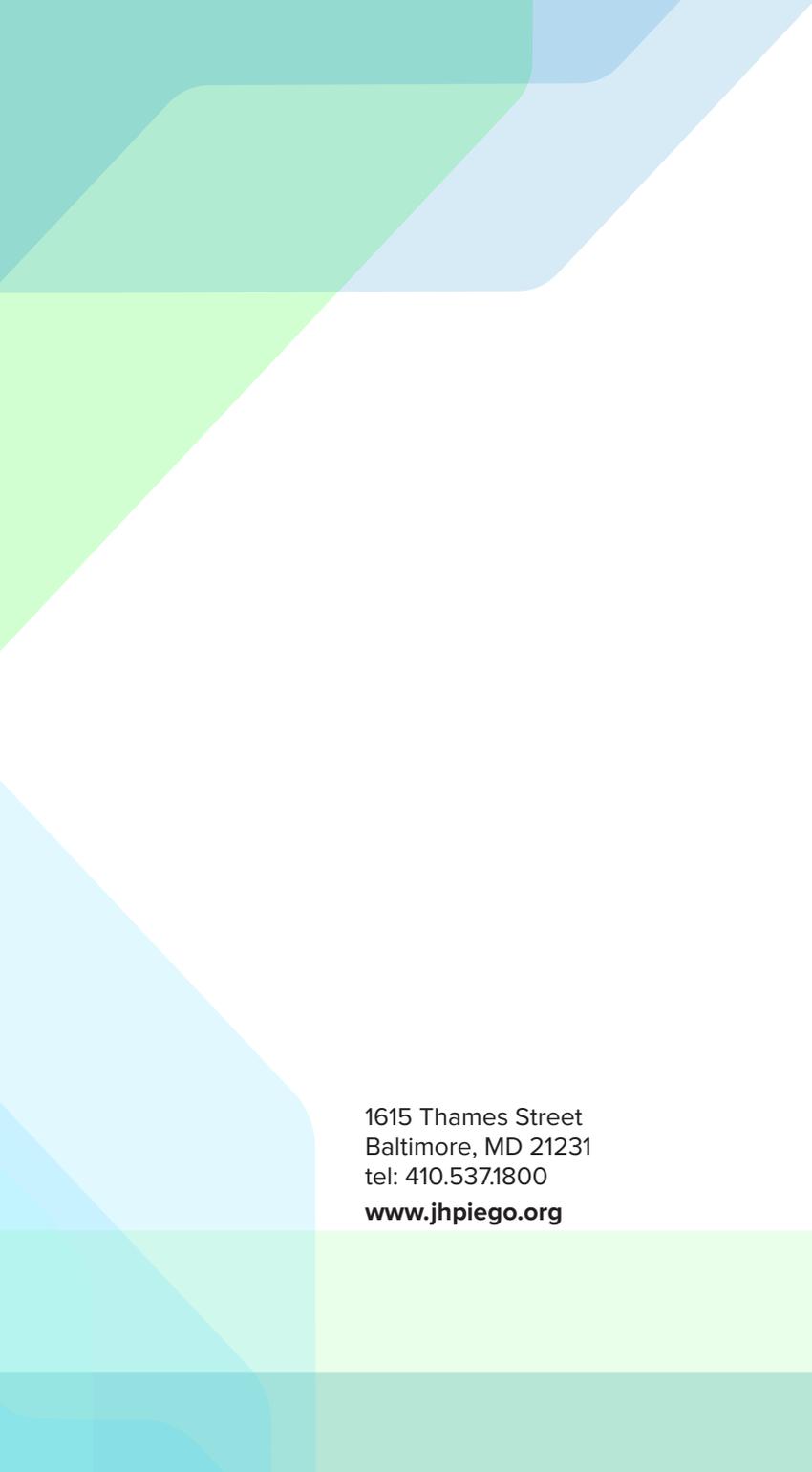
Recognizing the impact of gender-based violence on access to health services, Jhpiego initiated related programming in Ghana, Guinea and Nepal, building on its initial work in Mozambique. Areas of intervention included developing guidelines and clinical protocols for gender-based violence for health workers in Nepal, developing pre-service curricula on gender-based violence for health workers in Ghana and integrating clinical care for sexual violence survivors into HIV services in Mozambique.



Wangari Wanjiku (right), in Kenya at an event sponsored by the Jhpiego-led Brighter Future program.

“During this time when young people are growing up—it’s a journey of self-discovery, and like any trip, it’s very easy to get lost.”

– Wangari Wanjiku, Kenyan youth leader, Jhpiego-supported Brighter Future program



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