JOHNS HOPKINS IN INDIA

A Dedicated Partner in the Nation’s Progress
SOLVING MAJOR HEALTH PROBLEMS AROUND THE WORLD

Today’s global health problems are formidable and spreading, including maternal and infant mortality, malaria, HIV/AIDS, heart disease, and cancer. Johns Hopkins possesses many of the capabilities needed to take on these multi-faceted problems around the world: established partnerships, extensive education programs, renowned experts and research programs, success in winning grants, and, as a globally recognized thought leader and innovator, the power to convene stakeholders to plan and execute major initiatives.

Yet these capabilities are not in themselves sufficient to answer today’s challenges, whose roots run deep in every aspect of human life — in poverty, lack of education, harmful health behaviors, pollution and environmental change, overpopulation, and many others.

Creating solutions that address broad health, social, and cultural factors requires a diverse yet unified approach, engaging and uniting our best minds not only in public health, nursing, and medicine, but also international relations, engineering, education, business, the social sciences, and bioethics.

Executing this approach is the mission of the Johns Hopkins Global Health Institute, a priority of Rising to the Challenge: The Campaign for Johns Hopkins. Your support for the institute will enable us to develop two initiatives focused on India — the Indo-Hopkins Women’s Health Initiative and Building Bridges to a Healthier India (see page 4). Please consider a gift to the institute in support of these and other lifesaving efforts.

Intensive Involvement

• Johns Hopkins divisions currently operating in India include the Bloomberg School of Public Health, the School of Medicine, Johns Hopkins Medicine International, the Nitze School of Advanced International Studies, and the Carey Business School.

• Each year in India, Johns Hopkins spends USAID, CDC, NIH, and private foundation research funds approaching $10 million.

• At present more than 200 Hopkins faculty and staff are working in India.

• In addition to training thousands of Indian care providers in India, Johns Hopkins trains approximately 50 Indian undergraduate and 350 Indian graduate and professional students in Baltimore, Maryland, each year, making India our fourth-ranked source of undergraduates and second-ranked source of graduate students from outside the United States.

Since the 1930s, Johns Hopkins has engaged in long-term, collaborative partnerships with government and academic organizations in India, primarily in public health, and helped produce leaders for those organizations as well as real and sustainable solutions for the challenges the nation faces.

Today our partnerships in India span several areas of expertise. We continue to help India develop new academic and government health leaders, prevent and combat disease, build clinics, perform medical research, and educate the public on health topics.

we are developing new initiatives through our Global Health Institute that focus on women as central to India’s health, wealth, and prosperity, and on the training of larger numbers of Indian health care providers. We also see great potential, based on leveraging existing relationships, to work more closely with Indian partners in engineering and technology development. We welcome your insights and questions concerning these and other opportunities in India, and ask that you consider ways to help us carry our long history of partnerships into the future.

JOHNS HOPKINS IN INDIA: A COMMITMENT MEASURED IN DECADES

The importance of empowering women to prevent disease, create a healthy home environment, and teach healthful behaviors to their children is central to the efforts of Johns Hopkins in India.
JOHNS HOPKINS AND INDIA: PARTNERS IN PROGRESS

COMBATING INFECTIOUS DISEASES
In the middle of the 20th century, malaria caused an estimated one million deaths annually in India. Johns Hopkins alumni John Hume and Timothy Baker led the effort to eradicate the disease, seeing a reduction in recorded cases in India from 75 million in 1951 to 50,000 in 1961. Today, India carries the world’s highest or near-highest absolute burden of tuberculosis and HIV/AIDS. Through our research and education partnership in Pune, Johns Hopkins performed the first studies describing risk factors and rates of HIV/AIDS transmission in India, and the first clinical trials for prevention and treatment of HIV/AIDS in India. Through this program, Johns Hopkins has trained more than 100 Indian scientists in Baltimore, Maryland, almost all of whom returned to India. We also manage large-scale communications initiatives that deliver, to millions of Indians, large-scale communications initiatives that deliver, to millions of Indians, educational programs concerning HIV/AIDS, water, and sanitation.

IMPROVING MATERNAL AND CHILD HEALTH
Indian Minister of Health and Johns Hopkins alumna Sushila Nayyar led efforts in the 1960s to develop a holistic approach to public health that integrated reproductive health services into strengthened systems of primary care. Her approach remains a foundational concept for maternal and child health in India to this day. Nayyar assisted in securing funding for the Narangwal Rural Health Research Center in Punjab — a partnership with Johns Hopkins led by faculty member Carl Taylor — to apply her ideas in village settings. The center found that community health workers could reduce child mortality by as much as 45 percent through integrated services as compared with traditional government health centers providing separate family planning, women’s health, or child health care. This horizontal model of integrated primary health care has been adopted by the World Health Organization, UNICEF, and the World Bank, in India and other countries.

Johns Hopkins has also been a key partner in basic research for women’s health. Alumna Keerti Shah in 1999 determined that infection with any one of a subset of human papillomaviruses that inhabit the human genital tract is the primary catalyst for the eventual development of invasive cervical cancer.

EXPANDING HEALTH CARE DELIVERY
Johns Hopkins is working with HCL Avas to transform primary care delivery in India. Hopkins will provide medical director services, facility design support, and name-use licensing. Over 10 years, HCL Avas plans to establish 150 new outpatient primary and specialty clinics offering consultations, diagnostics, minor procedures, and pharmacy services.

We welcome your interest in developing additional opportunities for Johns Hopkins to work with hospitals, research centers, and other organizations in creating new facilities and programs. We can provide support in medical program design, equipment planning, IT support, staffing and human resources, quality assurance, infection control, and many other areas.

BUILDING WATER AND SANITATION SYSTEMS
Legrandy Hopkins professor Abel Wolman trained many of India’s senior environmental engineers to construct modern water and sewer systems. His student, Visvanathan Rajagopalan, a professor at the University of Madras, expanded the national water and sanitation program, which became the world’s largest and among the most successful.

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RELIGIOUS EXPERIENCE OF INDIA
Delivering education programs in medicine, nursing, and public health
Over the past two decades, Johns Hopkins has collaborated with Indian governmental and private institutions to deliver educational programs addressing HIV/AIDS, tuberculosis, bacterial drug resistance, malnutrition, and maternal-child health. These programs for physicians and nurses are delivered in person and over live webcast, reaching thousands of Indian health professionals each year. On a smaller scale, we offer programs such as our Master of Public Health degree in cooperation with the Indian Institute of Health Management Research.

At present, Johns Hopkins has exchange agreements with B.J. Medical College and D.Y. Patil Medical College in Pune, and is developing agreements with other hospitals and research institutes. We welcome your insights as to additional potential partners.

TRAINING POLITICAL AND ECONOMIC EXPERTS
In the late 1990s, Johns Hopkins created the Innovation for Humanity program, required for all global MBA students, to assist small businesses around the world. The experimental program gives students firsthand knowledge in building sustainable businesses in developing markets, working with local entrepreneurs and community stakeholders. The Indian program is offered in partnership with the Indian School of Business. Projects in India include developing a strategic plan for a heart center expansion; guiding the transition of a free career training program to a fee-based service; and improving the profitability of small-scale water purification businesses serving low-income communities.

SEEKING PARTNERS IN ENGINEERING AND TECHNOLOGY
Today, a key area for growth in the partnerships between Johns Hopkins and Indian organizations is in engineering and technology. A fledgling exchange program has been established and will in time help build connections between Johns Hopkins engineering and Indian schools. The basis for a still deeper relationship exists in the many personal and professional connections between the engineering faculties of Johns Hopkins and ITT Mumbai. We welcome assistance in developing these relationships into school-to-school partnerships and productive interactions with India’s tech industries.

AS PART OF A WEEKLONG STUDY TRIP, HOPKINS STUDENTS EXAMINED THE WASTE SEGREGATING SITES OF CHINTAN, AN NGO FOCUSED ON SUSTAINABLE DEVELOPMENT FOUNDED BY HOPKINS ALUMMA BHARATI CHATURVEDI.

COURTESY: JOHNS HOPKINS INSTITUTE OF ADVANCED INTERNATIONAL STUDIES

DELIVERING EDUCATION PROGRAMS IN MEDICINE, NURSING, AND PUBLIC HEALTH
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THE INDO-HOPKINS WOMEN’S HEALTH INITIATIVE: A PARTNERSHIP FOR THE FUTURE

India has the greatest number of maternal deaths of any country — an Indian mother dies every 10 minutes — and one-fifth of the world’s infant mortality occurs in India, where 2,700 infants die each day.

Johns Hopkins is committed to reducing this terrible toll. Through our Global Health Institute we are launching a new Indo-Hopkins Women’s Health Initiative that addresses women’s health at every stage of life and seeks to reduce maternal mortality, infant mortality, cervical cancer deaths, and gender-based violence by 20 percent.

To succeed in this effort, we need your help. We already have a large and unified multidisciplinary team that can address every aspect of these complex problems. We already have long experience in India and deep understanding of the nation and its cultures. What we need now is $20 million in financial support that will enable us to focus our many Indian partners on this challenge, work with them to develop innovative solutions that range from the individual to the policy level, and assemble the resources to create effective, sustainable programs as we have done on so many occasions in India. This is an ambitious but critically important goal. Please join Johns Hopkins and our partners in India by supporting the Indo-Hopkins Women’s Health Initiative.

BUILDING BRIDGES TO A HEALTHIER INDIA: SUPPORT FOR INDIAN CLINICIANS AND RESEARCH

In complex diseases like tuberculosis and HIV, survival is directly linked to the training and experience of care providers. Johns Hopkins, a world leader in educating physicians, nurses, paramedical workers, and medical and nursing students in resource-limited communities, has worked extensively with Indian governmental and private institutions to increase the nation’s quantity of trained and clinically competent care providers and to advance clinical research. In HIV/AIDS alone, our efforts have helped Indian professionals screen more than 260,000 pregnant women and protect more than 2,000 Indian infants from infection.

Yet much remains to be done. India continues to carry world-leading burdens of HIV/AIDS and tuberculosis and needs help to ensure its medical community is prepared to deal with these and other diseases.

To provide that help, Johns Hopkins has launched a $25 million initiative called Building Bridges to a Healthier India. The initiative seeks to fund professorships, research awards, and clinical and mobile health training programs, plus leadership training programs for senior and junior faculty and medical students. Two foundations have already stepped forward to support two professorships, six scholars-in-training (with a focus on tuberculosis), and a massive open online course on identifying and helping women at risk of gender-based violence.

Please continue the initiative’s momentum by making a gift through the Johns Hopkins Global Health Institute. Your support will help us empower Indian clinicians to address the nation’s most pressing health care issues.

HELP US EXPAND OUR PARTNERSHIPS WITH INDIA

Johns Hopkins is actively pursuing further opportunities for partnerships with India, as we believe there remain many areas in which we can contribute expertise, new ideas, and hard work.

With the guidance, insight, and generosity of those who wish to help us do more, we continue to work with our Indian partners to improve the nation’s health and prosperity. We would be happy to discuss your interests and ways that we might work together.

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YOUR GIFTS WILL HELP US DO MORE

JOHNS HOPKINS IN INDIA