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ABOUT US

Who We Are

ARCHIVE Global: Architecture for Health in Vulnerable Environments is an international non-profit organization with permanent offices in New York and London. ARCHIVE fights disease by delivering targeted housing design improvements. Prioritizing design as a key strategy in combating disease around the world, we believe that prevention is the critical to reducing the burden of disease. As the cost of treatment-based solutions to disease continues to skyrocket, simple, cost-effective improvements and scalable interventions represent a preventive model that is replicable and sustainable.

Housing affects global health in a powerful way. ARCHIVE Global operates at the intersection of development, health, and architecture. We believe that a better built environment can drastically reduce the burden of disease and death in impoverished communities worldwide.

Our Approach

research
We investigate how the built environment contributes to public health globally.

advocacy
We strive to bring change at a national and international level through changes in public policy.

construction
We believe in the need to design, test, and build practical housing solutions that combat poor health.
Access to adequate housing is a basic right. Yet for many around the world universal access to healthy homes remains seemingly untenable. We at ARCHIVE want to change this grim reality. After 10 years, we know that simple, smart designs coupled with effective, local community-wide training, can have far-reaching results. ARCHIVE began in the spring of 2006 as a research project funded by Columbia University. Our first project was to study the effects better housing design could have on people living with HIV/AIDS in South Africa. Pretty soon afterwards it was clear that this organization’s work could address so much more.

We’ve worked on some remarkable projects in the past ten years. From our work throughout Africa, Asia, the UK, and the Americas, we see that although the specific issues we are tackling may be different in each context, our core mission remains the same – to deliver improved health outcomes for the most vulnerable communities through architecture and design solutions.

At the 10 year mark in ARCHIVE’s story, I marvel at how far we’ve come and how much we’ve been able to achieve. We have grown from an organization that was initially entirely reliant on family and friends volunteering their time and resources to the present team of dedicated professionals. We have expanded our reach from organizing small awareness campaigns to working on projects affecting thousands of beneficiaries.

None of this would have been possible without the continued support of ARCHIVE’s patrons and supporters. By sharing your expertise, friendship, and financial generosity you have helped and guided us every step of the way.

Thank you.
Peter Williams
Founder/Executive Director
MESSAGE FROM THE BOARD

The global community faces some serious challenges in the next few years—the issue of providing a global population with adequate shelter while facing down the increasing impacts of climate change and the burden of public health crises. We have seen that in our increasingly interconnected world, these issues are all related and will affect every one of us regardless of geographic location, nationality, or social standing. We can no longer put off addressing these issues to others or to future generations.

ARCHIVE addresses these pressing global issues by improving health through housing for vulnerable communities. While the organization’s focus remains primarily on testing and implementing design solutions to mitigate the effects of morbidity and mortality, 10 years of work in this area has taught us that in order to maximize our impact, we must take a holistic approach to designing and carrying out our mission. In an interconnected world, we must collaborate with partners from diverse sectors and industries to tackle the challenges that affect the communities we work with.

Towards these goals, the Board of Directors implemented a strategic shift in the application of the organization’s mission. Starting this year, we have begun working with organizations in an advisory role. With our years of expertise in disease reduction through design, we are uniquely qualified to share and lend our expertise to other organizations working in international development and humanitarian response.

This year also brought other exciting organizational developments for ARCHIVE. We partnered with Article 25 in the U.K., an architectural humanitarian nonprofit that provides expertise on designing and building hospitals, schools, and disaster risk reduction solutions globally. This partnership represents increased capacity for both organizations and access to a varied portfolio of projects around the world. We look forward to fulfilling our shared goals.

As a body, a Board of Directors remains committed to supporting ARCHIVE’s mission. One of the ways we will do so is by strengthening the capacity of the board with new members, with diverse skills to meet the needs of a growing organization. We are proud to support the critical work ARCHIVE does. We hope you join us in celebrating the organization’s decade of achievements.

The ARCHIVE Global Board of Directors
Angela Aidala
Lenore Cooney
Kevin Davis
David Drake
Lena Meli-Ceremik
Gregory Martin
Chris Nicholson
David Panton
Paul Scala
David Venderbush
Peter Williams

Bangladesh 2014
Dirt floors carry parasites, bacteria, and viruses that cause diarrhea, hepatitis, typhoid fever, and Neglected Tropical Diseases, such as trachoma.

Walls and roofs can host insect vectors carrying Chagas and leishmaniasis.

Food stored in unhygienic environments can host life-threatening bacteria and mold, as well as rodent-borne illnesses.

Overcrowding is a major driver in the spread of infectious diseases and is linked to higher morbidity and mortality.

Health and Housing at a Glance

ARCHITECTURE FOR HEALTH
The Need for Prevention

Limited Access to Treatment — For many in both developing and developed nations, access to treatment is a luxury. And when there is access, it can mean a loss of precious hours of productivity.

Drug and Insecticide Resistance — Many major diseases, such as malaria and tuberculosis, are increasingly resistant to existing drugs. Less reliance on treatment means the drugs will work when they are most needed. The same counts for insecticides.

Research and Development Costs — Drug resistance demands increasing research and development to keep up with changing pathogens. For many diseases of the poor, industry has little financial incentive to do research and development, as the poor cannot afford patented drugs.

Healthcare Costs — Rising costs are a challenge for both public and private healthcare, and developing countries often have overburdened and inadequate systems. Prevention allows healthcare to be focused on those that need it most.

Why Housing?

Global Urbanization
Cities can be a boon or bane for our health, with numerous challenges such as overcrowding, sanitation, disease outbreaks, violence, and a wide range of non-communicable diseases that result from poor living conditions and lack of planning.

Slum Growth
Overcrowding and unsafe living conditions, along with limited access to clean water and healthcare, make slums hotbeds of both communicable and non-communicable diseases.

Resilience in the Face of Disasters
Housing quality can mean life or death in the face of natural disasters. This challenge comes hand-in-hand with better urban planning and infrastructure.

Prevention of Homelessness
Rates of homelessness are steadily increasing in both rich and poor nations alike. The health problems created by this paradigm are numerous, with high exposure to diseases of poverty, the elements, violent crime, and vector-borne illnesses.
CELEBRATING 10 YEARS

This Road Isn’t Traveled Alone...

Thank you to everyone who has helped make our mission at ARCHIVE Global achievable!

Volunteers and Employees

Past and Present Board Members
**A LOOK BACK: 10 Years at ARCHIVE**

- **2006**: Happy Healthy Households launched to address high TB infection rates among immigrant communities in the Borough of Brent, London.
- **2007**: Peter Williams founded the ARCHIVE Institute.
- **2008**: Poster competition to celebrate the efforts of children around the world as they assume a leadership role in the fight against HIV/AIDS.
- **2009**: University College London’s Healthy Infrastructure Research Centre was host to ARCHIVE’s early research on the link between tuberculosis and the environment.
- **2010**: ARCHIVE Global named Charity of the Year by UBS!
- **2011**: Breathe Easy Camden focuses on developing and expanding effective fatigue reduction strategies among low-income families suffering from severe asthma and expanding knowledge of asthma prevention techniques among 50 caregivers of children with asthma.
- **2012**: Brought on as technical consultants, ARCHIVE was hired to impart expert knowledge on the prevention of vector-borne diseases through the improvement and maintenance of traditional housing in Namibia.
- **2013**: Breathe Easy Camden launches the Haiti Project, Key Sante. The project began with an Open Innovation Campaign, which invited designers from all over the world to create housing designs that addressed respiratory infections associated with HIV/AIDS.
- **2014**: Building Better Homes was motivated in Yaounde, Cameroon to combat malaria through housing designs that addressed antibiotic resistance and the environment.
- **2015**: Heath from the Ground Up, a pilot flooring project, was established in Bangladesh to replace traditional earth floors with concrete floors in homes. This intervention targets a major transmission pathway for pathogens.
- **2016**: Health from the Ground Up, a pilot flooring project, was established in Bangladesh to replace traditional earth floors with concrete floors in homes. This intervention targets a major transmission pathway for pathogens.
HEALTH ISSUES WE'VE ADDRESSED

Asthma
Camden, New Jersey, 2014

**Context**
Camden, NJ is one of the poorest urban areas in the United States and suffers from some of the highest rates of asthma-related hospitalizations in the state (ASP 2008-2013). A 2013 community health assessment found that 18% of Camden residents surveyed reported suffering from asthma.

**Project**
Improved asthma-related health outcomes through the creation of healthy, trigger-free living environments and to reinvigorate interest in the scaled up application of a family-focused asthma prevention program.

**Outcomes**
- 10 households assessed and trained for trigger reduction during 4 months.
- 80% increase in self-reported indoor trigger identification.
- 100 community members made aware of trigger reduction strategies.

Tuberculosis

**Context**
London has been named ‘the tuberculosis capital of the West.’ Underserved inner city areas such as Brent and Newham have rates comparable to China, Russia, and Brazil - some of the highest in the world.

**Project**
Two campaigns, Happy Healthy Households and Hanging in the Air, were executed in partnership with the UK’s National Health Service.

**Outcomes**
- 540 children participated in a workshop at local schools.
- 30 community health workers trained in risk assessment.
- 30,000 people informed on prevention, symptoms and treatment.
- 3 years later the reported incidence of tuberculosis had decreased by 20%
HIV/AIDS  Saint-Marc, Artibonite, Haiti, 2012

Context
Foundation Esther Boucicault Stanislas (FEBS), provides medical care and advocacy for people with HIV/AIDS and the LGBT community in Haiti.

These marginalized communities benefit from shelter, access to treatment, and reduced exposure to opportunistic infection such as TB.

Project
The project will provide an office, health clinic, and vocational school for FEBS, along with transitional housing units and basic infrastructure.

Outcomes
3,000 people provided with clean water.
12,000 people provided with health services.
10,000 people provided with improved roads to local markets.
600 people trained.

Malaria  Yaounde, Cameroon, 2013

Context
90% of the world’s population that is at risk for malaria lives in Africa.

20% of households use insecticide treated bed nets.

Project
264 homes were improved by the project.
Housing improvements target common mosquito entry points.

Outcomes
Reduce malaria rates by 20% amongst the 1320 beneficiaries.
6,000 people were trained for home improvement techniques.
58,000 members of the community were made aware of malaria risks.
The World Health Organization (WHO) reports that 88% of diarrheal disease around the world is attributable to poor access to water and sanitation and causes 2.2 million deaths annually.

**Context**

The project focused on constructing improved sanitation facilities in 60 houses in the socio-economically vulnerable communities of Ishwar Colony and Hanjan Basti.

**Outcomes**

2 technical design workshops with community participation.

50 households provided with improved sanitation facilities.

Promoted local awareness on home sanitation, hygiene and health.

---

The project replaces dirt floors with cement and directs workshops on healthy living conditions and sanitation practices.

**Context**

20.5% of Bangladesh’s population dies every year from disease caused by deprivations in living standards such as flooring and sanitation.

**Project**

The project replaces the floors of 10 homes, reaching 70 people in two weeks.

**Outcomes**

75% of parasitic infections eliminated in children under age of 5.

4,000 people trained on healthy housing and sanitation.

85% Less money spent on medications for project families.
WHERE WE WORK

St. Marc, Haiti
Health & Housing in Haiti

Cochabamba, Bolivia
Building Out Chagas

Camden, United States
Breathe Easy Camden

New York, United States
ARCHIVE GLOBAL, NYC
Walking Tours

London, United Kingdom
Happy Healthy Households

Delhi, India
Sanitation for Health

Jamaica

St. Marc, Haiti
Health & Housing in Haiti

Cochabamba, Bolivia
Building Out Chagas

Camden, United States
Breathe Easy Camden

New York, United States
ARCHIVE GLOBAL, NYC
Walking Tours

London, United Kingdom
Happy Healthy Households

Delhi, India
Sanitation for Health

Yeoungdo, Cameroon
Building Malaria Prevention

Libreville, Gabon
Design Against Malaria

Northern Namibia
Malaria Proofing Home

Addis Ababa, Ethiopia
Healthy Air, Healthy Lives

Tanzania

Libreville, Gabon
Design Against Malaria

Northern Namibia
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Tanzania

Libreville, Gabon
Design Against Malaria

Northern Namibia
Malaria Proofing Home

Addis Ababa, Ethiopia
Healthy Air, Healthy Lives

Tanzania

past projects

current projects

upcoming projects
Haiti 2011

6,700+
Children live to see age 5

11
COUNTRIES

10
YEARS

4,500+
Homes

18,000+
Lives saved through long-term disease protection

500,000+
Beneficiaries reached

5,000,000+
Global audience reached through publications and broadcasts

280
Round trip flights

THE NUMBERS

12
PROJECTS

5,000,000+
Global audience reached through publications and broadcasts

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ARCHIVE GLOBAL IN 2016

Article 25 Partnership
In 2016, ARCHIVE formally partnered with Article25, an award-winning UK non-profit architectural organization that designs, builds, and manages projects centered on disaster relief and poverty alleviation.

Named for the 25th Article in the UN’s Universal Declaration of Human Rights – the universal right to a standard of living that provides adequate food, shelter, and medical care, social services, and the special protection for mothers and children – the organization seeks to embody these aspirations in its work.

Technical Consultancy
Starting in 2016, ARCHIVE Global expanded its services to include technical consulting. Using our 10+ years of experience, ARCHIVE Global lends its expertise to corporations, non-profit organizations, and government agencies to provide insight and direction on projects that focus on the intersection between housing and health.
NAMIBIA

Project Outline

The Namibia Ministry of Health has set the ambitious goal of malaria elimination in the country by 2020. Despite seeing steady declines in national infection rates, fewer than 5K cases in 2013, since 2014 a steady rise in cases has occurred, over 15.5K in 2014 alone. It is critical to ensure that when and where elimination is successful, it is sustained, and that a strong strategy is in place to prevent reestablishment of malaria in receptive areas.

Approximately 80% of malaria transmission occurs indoors. Poor quality housing has been identified as a risk factor for malaria, especially in areas where the mosquito vector bites indoors and can enter the house through gaps in the ceiling, eaves, windows and doors. Housing improvements have the potential to play this vital role and help achieve and sustain malaria elimination in Namibia.
Impart expert knowledge to relevant stakeholders on the prevention of vector-borne diseases through the improvement and maintenance of traditional housing in Namibia. Interventions will take place in the regions of Kavango West, Omusati, Otjozondjupa, Zambezi.

This project had two components (I) technical training and (II) community training:
(I) The goal of the technical training was to provide relevant actors with technical knowledge of building/renovating/improving traditional housing.
- Training participants are able to build/renovate/improve traditional houses in order to reduce vector-borne diseases
- Training participants can share with others their knowledge on how to build/renovate/improve traditional houses in order to reduce vector-borne diseases

(II) The goal of the community training is to provide relevant key community health leaders (including Community Health Workers, Environmental Health Practitioners, etc) with knowledge of how to prevent the spread of vector-borne diseases through housing improvements.
- Key community health leaders are able to maintain housing improvements
- Key community health leaders can train homeowners and beneficiaries on how to maintain their own housing improvements

**Project Specifications**

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<th>Homesteads</th>
<th>Windows</th>
<th>Doors</th>
<th>Eaves</th>
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<td>339</td>
<td>933</td>
<td>1,121</td>
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<table>
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<th>Beneficiaries</th>
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<tbody>
<tr>
<td>1,695</td>
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</table>
ARCHIVE believes in sharing the lessons we’ve learned from our projects around the world. 10 years of working in multiple countries on 4 continents with varied partners has taught us a lot. In the coming years, ARCHIVE will be partnering with diverse global partners as advisors on a wide range of topics. These include the use of the built environment as vector control against insect borne diseases such as malaria and dengue, technical training for health workers and local technicians, and the implementation of housing improvement projects.
## FINANCIALS

### Revenue & Other Support

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### Expenses

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### Assets & Liabilities

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Bangladesh 2014
Thank you to the UBS Optimus Foundation for its generous support in advancing our mission

UBS Optimus Foundation

Partners and Supporters

- Article 25
- Association of Development for Economic and Social Help (ADESH)
- Clinton Health Access Initiative
- Delos Building Wellness
- DXA Studio
- Global Health Corps
- Malaria Consortium – Cameroon Coalition Against Malaria (MC-CCAM)
- National Health Service – UK (NHS-UK)
- New York Academy of Medicine
- Patrick Cullina: Horticulture Design + Consulting
- University of Yaounde

Individuals

- Raakhi Williams
- Nigel Ann La Qua Williamson

An Extra Special Thanks to

- Alexandra Davis
- Emma Klock
- Linda Warshaw
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