

InnovateHealth **Yale** Impact Report 2023



InnovateHealth Yale

Mission Statement

InnovateHealth Yale, housed at the Yale School of Public Health, supports the **creation of innovative solutions** to challenges in **global health** and **education** for **historically under-resourced communities** in the United States and around the world.

Goals:

- **Launch** innovative startups in public health
- **Motivate** and mentor students in the principles of public health innovation and social entrepreneurship
- **Forge** meaningful partnerships with domestic and global health organizations
- **Create** a network of entrepreneurs and innovators beyond Yale
- **Curate** meaningful opportunities for learning and engaging with public health innovation experts



InnovateHealth Impact to Date



52 organizations launched
in 30 countries



200 students
mentored

\$400,000
awarded to student
led ventures



6 impact grants
awarded in
2023

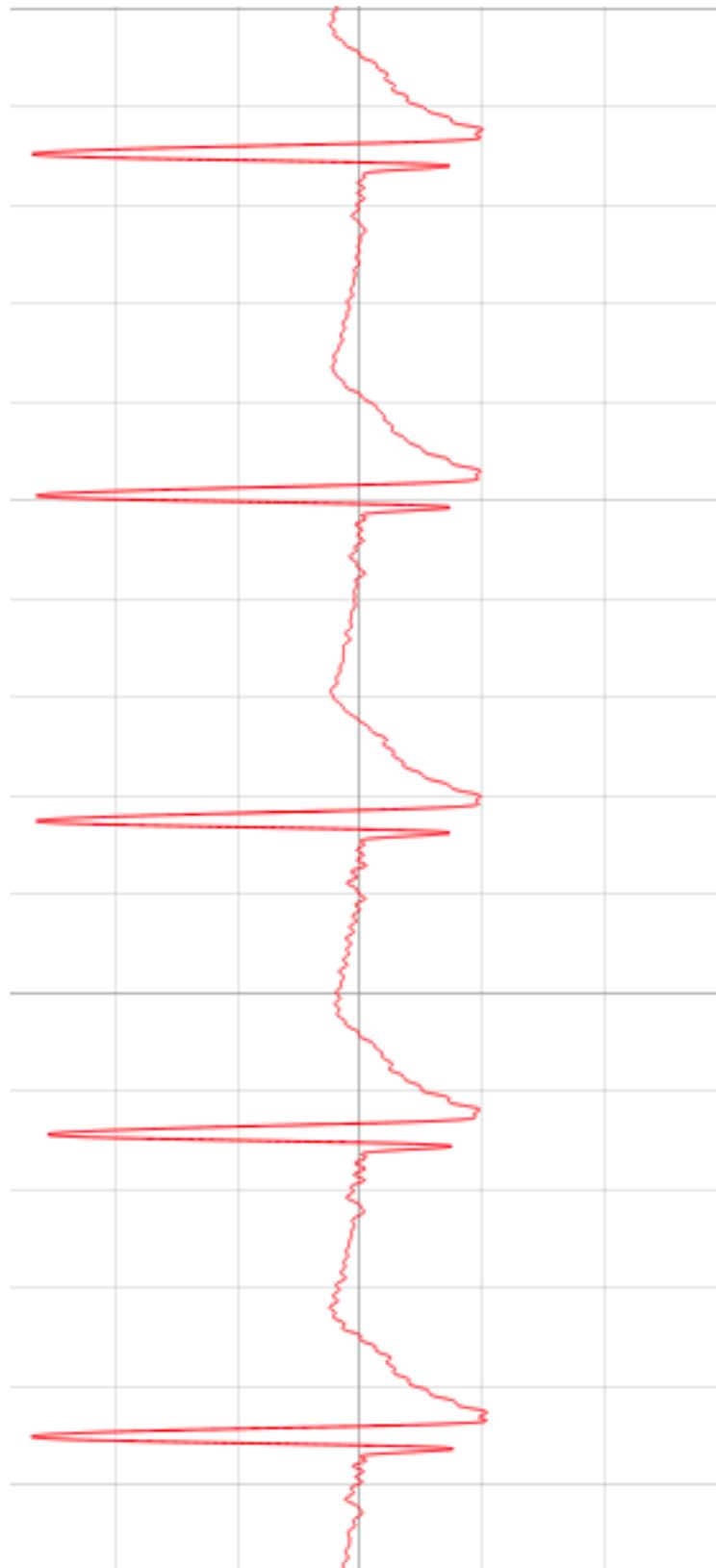
Rita Wilson Prize Winner 2023



Ensignt-AI represents a new paradigm in cardiovascular diagnosis through the application of artificial intelligence (AI) to electrocardiograms (ECGs). Key cardiovascular diseases that affect large portions of the population worldwide and have been the focus of drug development require advanced cardiac imaging for diagnosis as well as treatment monitoring.

Ensignt-AI's leaders – Veer Sangha, YC '23, a Rhodes Scholar and undergraduate student researcher in Yale's Cardiovascular Data Science Lab, and Dr. Rohan Khera, a Yale cardiologist, – said their innovation “has the potential to transform cardiovascular disease diagnosis.”

“The vast majority of patients are diagnosed too late. Ultimately, our goal is to bridge the gap between proven effective treatments and the patients who need them the most.”



Thorne Prize Winner 2023



Carys Cares

Carys Cares, a student-led venture that strives to end the social stigma of special needs children and teenagers in Indonesia through creative empowerment, is the 2023 winner of the \$25,000 Thorne Prize for Social Innovation in Health or Education.

Among the many projects that were being held by Carys Care, the primary one is to showcase the talents of these special gifted children and teenagers through their extraordinary and amazing paintings which then turned into a line of merchandise and available to be purchased

Founder Carys Mihardja says, “My dream is to make this a legacy for positive change for the down syndrome communities, creating a world that is more tolerant in accepting of differences.”



Rita Wilson Seed Grant Recipients

NOIRUNITED **INTERNATIONAL**

NoirUnited International (NUI) is an international NGO focused on centering Black and other marginalized people in creating development solutions for their communities. NoirUnited provides community-based development interventions to address social, economic, and political challenges primarily in African descent communities across the globe. NoirUnited also provides life-saving humanitarian assistance in response to varying crises that affect vulnerable communities.



First Mile Health is a platform solution that enables on-demand scheduling of healthcare and medical-social services. First Mile Health is committed to building

the community health ecosystem via home visits, developing locally and culturally sensitive connections, and providing an alternative to inefficient labor markets.

Rita Wilson Seed Grant Recipients



Balma Health

Balma Health champions the creation of innovative do-it-yourself public health educational tools to help communicate difficult health information to children in an empowering manner. They seek to transform the way children understand healthcare concepts and, ultimately, improve patient satisfaction and healthcare outcomes. Balma Health's provides comprehensive kits to help communicate important information about an illness to children. Each kit is designed with advice from expert child psychologists and child education specialists.



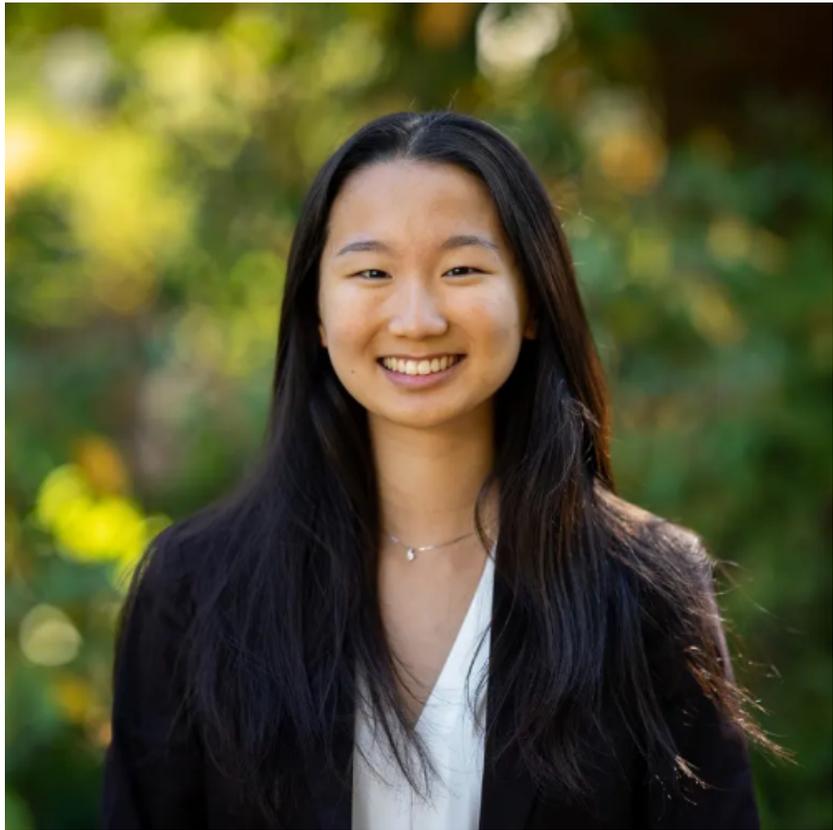
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Eje Le Eje Ethiopia

Eje Le Eje Ethiopia is a nonprofit that helps underprivileged children from low income single-mother households in Ethiopia access basic education supports. They aim to break cycles of intergenerational poverty and uplift social determinants of health outcomes through active community participation and sponsorship. They currently sponsor two children from to attend local private kindergartens. In the near future, they hope to increase the number of students they sponsor.

IHY Summer Funding Recipient 2023

Jennifer Ye

In partnership with Cirqle Biomedical, based in Copenhagen, Denmark, Jennifer Ye worked to generate video demonstrations about the new non-hormonal birth control method that can impact reproductive health and healthcare access around the world.



Cirqle Biomedical focuses on research to develop a novel approach to birth control, with hopes of reinforcing the natural cervical mucus barrier to provide effective birth control on demand and without any hormones.

“This was the first time I critically thought about my career and made hard decisions, and it was all inspired by being in a new and stimulating environment.”

Alumni Updates





Adiona

comprises a team of neurologists, social workers, caregivers, and computer science experts who have banded together with a mission to make dementia care better than it was for them. It is a home base for managing challenging, dementia-related behaviors, specifically agitation. In the mobile app, caregivers can keep a journal of agitation episodes, see and share reports of those agitation episodes, and get personalized tips about how to manage agitation. Their work has been supported by some of the biggest names in dementia care: The National Institute of Aging (a sub-division of the NIH), the Yale School of Public Health, and the University of Chicago Center for Comprehensive Care and Research on Memory Disorders.

BridgeYear

seeks to accomplish the mission of connecting underserved students to high-demand, high-growth careers and educational opportunities by providing two key opportunities: the Career Test Drive® (CTD) experience and ongoing postsecondary advising. In the 2022-2023 school year, they reached over



13,000 students and implemented two new program offerings to help students discover the main pathways to success. To date, they have also reached over 650 educators to provide resources and training. Recently, they have hosted the first in person Postsecondary Conference, in collaboration with UpSkill Houston.

brio advances mental health and wellbeing through design and collaboration with local leaders and organizations. Through partnership, training, and resource creation, Brio co-creates effective initiatives that center local communities and scale through local systems. To



date, Brio has generated contextualized and effective programs reaching more than 130,000 people directly. The most recent government adoption includes a teacher mental wellbeing program that is reaching 120,000 new teachers in the state of Bihar, India.



Cocoa360 is an evidence-driven, sustainable model to end extreme poverty in our lifetime. They leverage effective

community engagement to develop sustainable interventions in rural communities. Cocoa360 has acquired a new 15-acre cocoa farm, six new water tanks, two new buses, and fully set up a library and computer room.



In addition, the team is currently implementing a campaign called Giving Tuesday, in order to provide essential educational materials for the new Junior High School students.



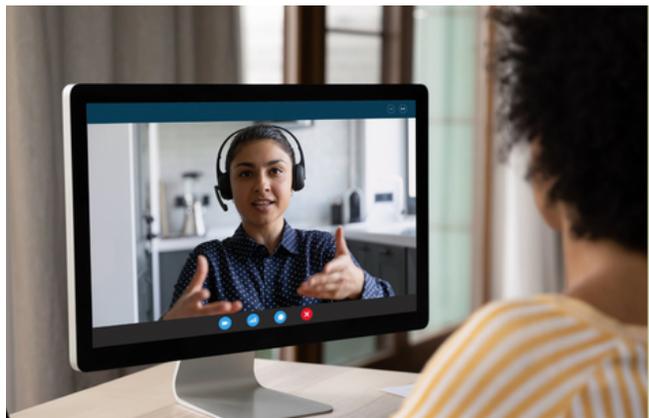
is a small business that creates custom digital tools for K-12 schools and districts. These

tools include helping educators more effectively manage their instructional coaching, classroom observations, and teacher evaluations. They are continuing to work with many of the same schools and districts and have added some new districts this year.



is a nonprofit organization founded in 2020 that provides personalized, holistic, and accessible online health and wellness coaching for educators, by educators. They have coached over 600

educators, and are partnered with 35 schools across the country. They provide personalized coaching for their educators and staff and currently have 50 trained Edwell coaches on the team.





Elevation Gateway is focused on making admissions consulting accessible to everyone. While starting as an equitable med school admissions firm, they are now creating AI-enabled admissions consulting tools by harnessing the power of artificial intelligence. They have formalized a partnership with New Haven Public School students and have been selected as a client of Yale Law School’s Entrepreneurship and Innovation Clinic.



continues to showcase demonstrated success in their mission to monitor and motivate community health, especially maternal and child health, at the last mile. Over the last 8 years they have grown into a 65-member team, now serving as the nodal Technical Support Partner to the Department of Health and Family Welfare, Government of



Rajasthan. Khushi Baby was recognized as one of the winners of Marico Innovation Foundation's Innovation for India Awards 2023.



KovaDx revolutionizes blood cell analysis using Quantitative Phase Imaging and Machine Learning. In their work with Sickle Cell, they have developed an innovative Red Blood Cell Health Index. The device can be used to monitor drug candidates' therapeutic impacts in pre-clinical and clinical trials. They are currently completing research efforts for a NSF STTR Phase 1 grant.



mindful kala

aims to empower students through easily-accessible intercultural education, support, and mind-body Bharatanatyam based mindfulness movement to be happier, healthier, and more resilient beings. They have been certified by WI Department of Public Instruction as an evidence-based social emotional learning tool, and have published an IRB-approved randomized clinical study on 4-week digital Mindful Kala course for students at Yale University. The course specifically seeks to help the quality of life outcomes and cultural competency amid the COVID-19 pandemic.



MakeDeathsCount

MakeDeathsCount is a global health data company. They develop mortality surveillance systems in Low-&Middle Income Countries through partnerships with Ministries of Health and NGOs. They collect Cause of Death (CoD) data from the most remote regions globally using our proprietary methodology. They are also the first and only

organization in the world to do so. The organization trains people around the world in conducting “verbal autopsies.” The practice involves canvassing people in conflict-torn and low- and middle-income countries – from door to door or from tent to tent in some instances – following a set list of questions in order to find out from relatives, friends, and loved ones when and how a person died. MDC then collects the data and analyzes it.



*“We quickly realized that the **lack of death registration** was widespread globally. So we saw a role for an **organization to provide consultation work in developing verbal autopsy projects** with the goal of delivering actionable cause of **death data for local decision-makers** and not purely for the sake of research. ”**No one was doing this work the way we envisioned it.**”*

MakeDeathsCount co-founder Ahmad Saleh, MPH '22



Origin Healthcare combines their team's deep clinical expertise with advanced technology supported platform to provide personalized, acute medical care to patients in their home. In turn, outcomes are improved, medical costs are significantly lower, patients are empowered, and healthcare access is expanded. Origin Healthcare is proud to be the recipient of a \$250K grant from the Colorado Office of Economic Development and International Trade to further develop the technology platform that enables patients to receive advanced medical care at home, instead of in the hospital. They have also welcomed Steven Summer to the Origin Healthcare Advisory Board.



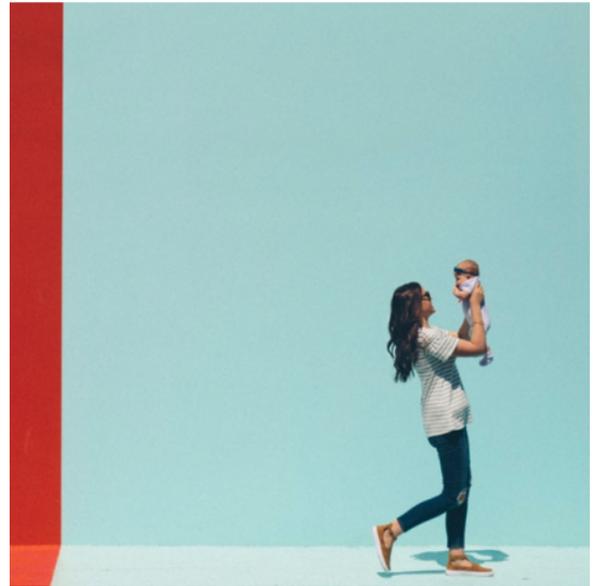
is a pharmacist-founded pharmacy delivery service that picks up your prescriptions from any pharmacy and delivers to you in as little as 30 minutes. In addition to getting your prescriptions delivered, you can also shop over the counter pharmacy items and have them delivered in minutes through our app as well as chat with a live licensed pharmacist before placing your order. Pills2Me joined the Techstars NYC Class of Spring 2022 and recently partnered with Google, receiving a \$150,000 non-dilutive cash award, up to \$100,000 Google Cloud Credits, and access to Google's resources to help take them to the next level.





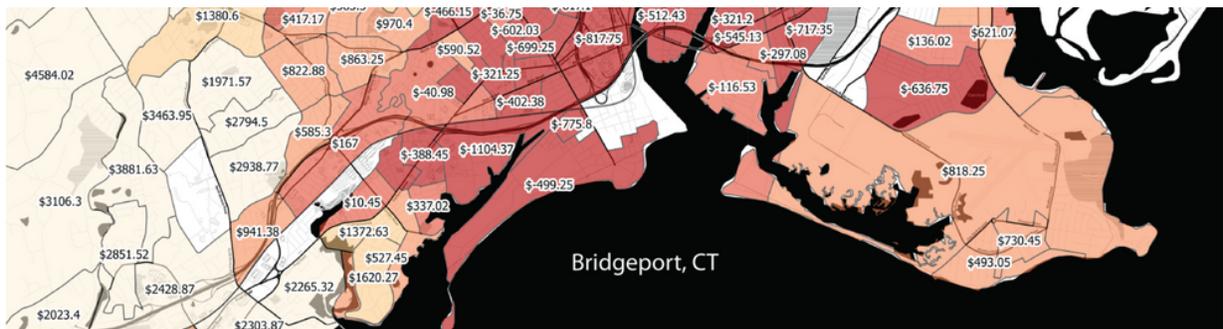
Raise Green

Raise Green is a marketplace for impact investing in climate solutions. From solar farms on Maui, to water reuse systems in Phoenix, to geothermal power installations in Alaska, the solutions to climate change are taking shape all around us – powered by heroic entrepreneurs and innovators who are not content to wait for big energy and leaders in government to get their act together. For as little as 100 dollars they enable investors to supercharge the efforts of those building a better tomorrow – and give them a chance to earn a healthy return in the process. In 2022, they won Environmental Finance Impact Investing Platform of the Year.



Source Development Hub is designing a software platform they call the Widely-Integrated Social Services Platform, or WISSP, to provide and maintain stable housing for at-risk tenants throughout Connecticut and beyond. There is growing research to suggest that housing geography has significant impact on lifelong economic opportunity as well

as a national affordable housing shortage and consequent homelessness epidemic. SDH works with partners that address various spectra of homelessness and are currently working to develop the WISSP platform in Fairfield County.



Spring Health

aims to modernize behavioral health benefits with the most effective, comprehensive solution for employee mental wellbeing. They use a proprietary assessment and machine-learning technology to understand all of the conditions a person may be experiencing, and use those results to match them to a care plan personalized to their needs.

They have been named one of the “Next Big Things in Tech” by Fast Company—and are the only mental health company celebrated for leading the way in technology this year. They have also recently been named one of the world’s 50 top private venture-backed companies disrupting the status quo. In 2021, Spring Health received a \$190 million series C at a \$2 billion valuation, making CEO April Koh the youngest woman to run a unicorn.



Sprng is an interdisciplinary team developing revolutionary menstrual products for menstruating people worldwide. They put menstruating people at

the center of the development process by creating products alongside users. They are dedicated to data driven menstrual research, education, and empowerment.

Their first product, the Ori disc, is a reusable menstrual disc that includes a non-chemical therapy for menstrual pain. They have been selected as 1 of 10 teams



to join the inaugural cohort for MIT Solv[ed] youth innovators cohort.

Managing Director

Meet the IHY Team



Kaveh Khoshnood, PhD, MPH Faculty Director

Kaveh is an Associate Professor in the Department of Epidemiology of Microbial Diseases and an expert in humanitarian work and research.

Kaveh's favorite part of his job is mentoring students who are committed to tackling public health challenges using innovative approaches.



Fatema Basrai, MBA Managing Director

Fatema works with students, faculty, staff and community members to support social ventures in health and education. She has presented nationally on panels including DreamWeek, The American Association for University Women, and Leadership for Educational Equity and was named Forbes 30 Under 30 in Education list for 2018.



Ellie Meise-Munns, MS Senior Admin. Assistant

Ellie is the Senior Administrative Assistant for the Office of Public Health Practice at the Yale School of Public Health. During their time as Community Impact Manager at United Way of Greater New Haven, they managed the Emergency Food and Shelter Program that expanded services for New Haven County.



Kailey Seiler Student Fellow

Kailey is a current MPH student who has a strong interest in global health innovation, particularly scaling up sustainable interventions for LMICs. She Holds a B.S. in Public Health from the University of Florida and has held positions in organizations such as The Global Fund and Demond Tutu HIV Foundation.

THANK YOU



Thorne Family

Wilson Grant Donors



***Yale Entrepreneurship
Collaborative***

Student Innovators



InnovateHealth Yale Alumni