Simprints

Executive Summary

Simprints’ mission is to transform the way the world fights poverty. We build technology to radically increase transparency and effectiveness in global development, making sure that every vaccine, every dollar, every public good reaches the people who need them most. Simprints develops biometric technology solutions for governments, health organizations, and health workers to quickly and accurately connect with patients. Simprints’ biometric tool is a plug-in to open source data collection tools such as CommCare, Medic Mobile, Open SRP or DHIS2 (used in health and aid programmes worldwide). Simprints provides both fingerprint scanning as well as contactless biometrics based on AI powered facial recognition. Our biometric solution is an extension of the data collection platform, which allows for seamless enrolment, identification and verification of individuals via their biometric template. Simprints is already in use in 12 countries, and has reached 1,100,000 people to date.

Awards and Recognitions:

• 2020 MIT Solve 'Health Security and Pandemics’ Challenge
• 2020 Financial Times & the International Finance Corporation (a World Bank Group) ‘Health, Wellness, and Disease Prevention
• 2017 Core77 for Social Impact Award
• 2017 Fast Company Social Good Award
• Bill and Melinda Gates Foundation
• Fobes 30 Under 30 Social Entrepreneurs of 2016
• 2017 Schwab Fellowship, Social Entrepreneur

Website: https://www.simprints.com/

COUNTRY
Ethiopia, Nepal, Zambia, Bangladesh, Tanzania, Malawi, Kenya, Nigeria, Zimbabwe, Uganda, Ghana
**The Story Behind Organization**

Simprints started off with a fingerprint biometric system, which was the world’s first designed for frontline health delivery in remote, offline environments. Our competitors and existing biometric technologies are largely tailored to developed country contexts and unsuitable for the frontlines of global health. Additionally, most of these are not interoperable with major digital health systems and are typically inaccurate due to scarred fingerprints and biased algorithms. Simprints has remained laser-focused on last mile technology. We build our solutions to be rugged, wireless, long-lasting, and highly-accurate and we continuously optimise for frontline contexts, such as reliable syncing in unreliable areas, wraparound data analysis, and streamlined workflows. In 2016, we deployed our technology in a pilot project with BRAC HNPP to reach 28,000 expectant mothers and newborns with essential care. A longitudinal study funded by DFID showed that the deployment of Simprints increased postnatal healthcare coverage by 11% and antenatal healthcare coverage by 38%. Because of that increase, 9% more women gave birth with a skilled birth attendant and 19% more newborns received essential care.

**Challenge**

Across the developing world, there are often huge gaps between administrative and WHO survey vaccine coverage data:
1. WHO estimates that more than 50% of vaccines may be wasted globally every year, and do not reach their intended beneficiaries.
2. The average gap in Bangladesh is over 17%, and in Nigeria the discrepancy in numbers rises to almost 34%. One of the underlying causes is lack of reliable data points linking individual recipients of vaccines to the immunization records.

**Solution**

**Digitally-enabling a primary health system to save lives**

To address these challenges, Simprints has been working with Ministries of Health and health workers over the past 5 years to build a rugged solution suitable for the last mile. By tying beneficiary health records to biometrics, Simprints can help capture those who fall through the cracks between household, health post, and centre. Simprints leverages biometrics to create an integrated digitized healthcare system that links everyone to a single patient record across the entire immunisation process.
Operating and Business Model

We integrate biometrics into your existing mobile tools and workflow
By streamlining the Simprints system integration and operations, our tools help frontline workers focus on what matters most: delivering essential services for impact.

We provide you with a mobile, ergonomic, rugged, and accurate system
Whether in the dusty savannahs of Zambia or the bustling slums of Dhaka, the Simprints system is built for the harshest environments on earth.
[Read about our design journey here]

We build organizational capabilities to harness technology for real transformation
The magic isn’t in the tool itself, but in creating new ways to inform and motivate users. Our technology offers in-depth, accurate insights into the status of each beneficiary at every stage of service delivery.

Impact

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Working across multiple sectors:
• Maternal Health
• Immunizations
• Neglected Tropical Diseases
• Cash and Aid Distribution
• Infectious Diseases