



WORLD BICYCLE RELIEF®

ACCELERATING HEALTH SERVICES DELIVERY

Amplifying health outcomes by addressing mobility constraints in the last mile

Health and Humanitarian Logistics Conference
20th September 2021





16 YEARS OF IMPACT



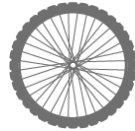
COMMUNITY HEALTH WORKERS

- REACH **88% MORE PATIENTS** WHEN THEY USE A BICYCLE TO SPEED THEIR TRAVELS BETWEEN PATIENTS
- **95% RETENTION RATE** AFTER TWO YEARS WITH THE INCENTIVE OF BICYCLE OWNERSHIP



560,000+

TOTAL BICYCLES DISTRIBUTED
HEALTHCARE:165,942



21 COUNTRIES

ACROSS AFRICA,
ASIA & SOUTH AMERICA



2,500+

FIELD MECHANICS
TRAINED



34 SHOPS

SUPPLY CHAIN SPARE PARTS

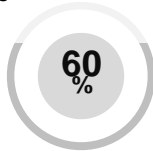
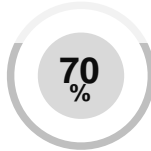
The Need

Last-mile mobility is often overlooked in development.



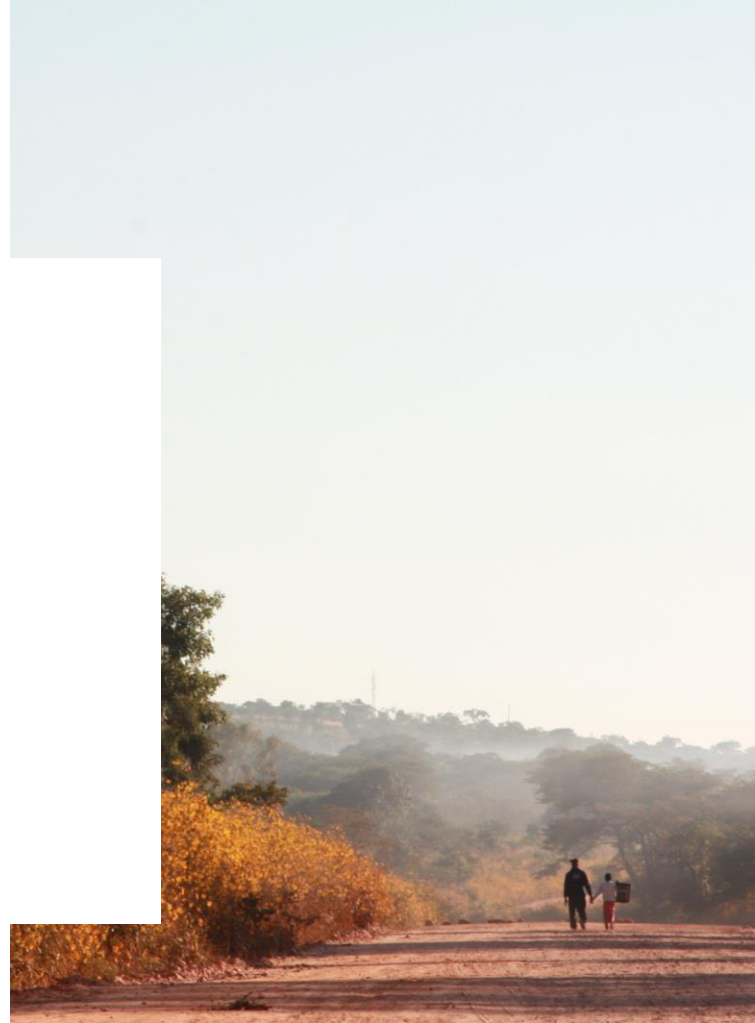
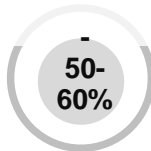
One billion people live in rural areas isolated by distance, terrain, transportation poverty.

In Africa alone, 70% of the rural population lack access to all-season road and transport services, primarily relying on walking



Health - Women in Malawi cited distance as a leading reason for not accessing health services

50% – 60% of people in poor countries live more than 8 km from a healthcare facility.

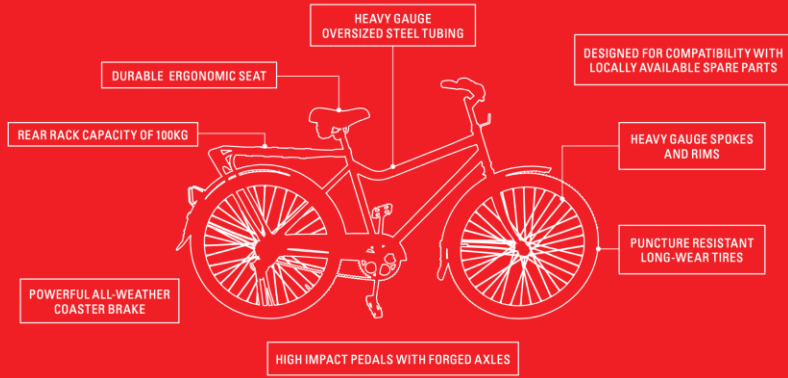




Health Impacts Due to Lack of Sustainable Mobility & Rural Access

- Rural children are often half as likely to be immunized
- Rural African women walk an average of 108 minutes—while in labor—to access the nearest skilled birth attendant.
- Researchers estimate 75% of deaths across rural sub-Saharan Africa are related to distance.
- Maternal and infant mortality is particularly affected by substandard or unaffordable transport links
- Need to travel long distances to reach health-care facilities, lack of available transportation are major barriers to accessing HIV treatment in sub-Saharan Africa

Proven robust, user-centred design, with 16 years of impact in last-mile settings



Illustrative Partners



Bicycles Power Health Service Delivery

Bicycle Impacts

- Acquisition and retention of quality healthcare workers.
- Reduces waste in time and carrying capacity.
- Increases reach to distant clients and number of clients visited.
- Increases consistency of visits and continuity in communities.
- Healthcare workers use bikes to support their families
- Community access to health facilities

The Evidence



88%

WITH A BICYCLE,
HEALTHCARE WORKERS
REACHED 88% MORE
PATIENTS



95%

HEALTHCARE PROGRAMS
WITH BICYCLES HAVE
ACHIEVED A 95%
CAREGIVER RETENTION
RATE, COMPARED TO 50%
IN PROGRAMS WITHOUT
BICYCLES



Independent Research Findings

“The Lancet”

- Geographical inaccessibility to health-care facilities and limited transportation are barriers to reaching 90% coverage and achieving HIV elimination in sub-Saharan Africa.
- Results obtained from geospatial modelling focusing on Malawi
- ▶ • Bicycles reduce travel-time and increase access to healthcare
- Providing bicycles to rural communities in Malawi would be a cost-effective HIV intervention that could:
 - increase life expectancy for 1,000's of people living with HIV; and
 - substantially increase the probability of eliminating HIV



Implications for Policymakers, Researchers & Practitioners



- Bicycles are a “pro poor tool to increase health access equity”*
- High-quality fit-for-purpose bicycles can improve rural last mile access to prevention and care
- Increasing availability of bicycles in rural areas could increase a sub-Saharan African country's ability to treatment coverage and eliminate their HIV epidemic (Lancet)
- National health policies and strategies should integrate last mile rural mobility into policies and investments
- Embedding rural mobility into SDG 4
- Reduction in import duties to increase affordability of quality bicycles; UN role to support global compact



*Source: <https://equityhealthj.biomedcentral.com/track/pdf/10.1186/s12939-020-01371-5.pdf>

Thank You!

Please reach out to explore partnerships

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Video shown is available at: <https://vimeo.com/266888914>

