THE CHALLENGE

At current rates of progress it will be nearly 100 years before a baby born in Africa has the same chances of survival as one born in North America. While most women in Africa now deliver their babies in health facilities, these hospitals lack the life-saving technologies, equipment, and trained staff that are necessary to manage preterm babies and newborns in distress.

OUR GOAL

Newborn Essential Solutions and Technologies (NEST360°) is a global consortium committed to ensuring that every hospital in Africa can deliver life-saving care for small and sick newborns. NEST360° is an evidence-based model for sustainable health systems change to close gaps in technology, markets, and human resources for implementation of quality hospital-based newborn care at national scale.

Aligned with the World Health Organization and country goals, NEST360° aims to reduce 50% of newborn deaths in hospitals by developing and distributing a bundle of high-quality technologies and services for newborns.

THE TIME IS NOW

Three important developments are driving global commitment to reducing newborn mortality rates.

1. We have powerful evidence that points to where and why newborn deaths occur.

2. Newborn survival is receiving unprecedented international attention, with an established global target (SDG 3.2) and national commitments to end preventable newborn deaths by 2030.

3. The majority of the world’s births now occur in hospitals, enabling health care providers to support more women and their babies.

These factors set the stage for the NEST360° initiative, which will target four African countries in Phase 1 — Malawi, Kenya, Tanzania, and Nigeria.
NEST360° PARTNERS

NEST360° launched Phase 1 in 2019 with generous support from:

John D. and Catherine T. MacArthur Foundation
Bill & Melinda Gates Foundation
The ELMA Foundation
Children’s Investment Fund Foundation
The Lemelson Foundation
Ting Tsung and Wei Fong Chao Foundation
Individual donors

JOIN THE PARTNERSHIP

For information on how to donate, contact:
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NEST360° TEAM

NEST360° is a women-driven consortium of engineers, clinicians and global health experts from these partner institutions:

Kenya
Center for Public Health & Development
Oxford Kemri Wellcome Trust

Malawi
College of Medicine Malawi
Malawi Polytechnic
Malawi University of Science & Technology

Nigeria
APIN Public Health Initiatives
University of Ibadan
University of Lagos

Tanzania
Dar Es Salaam Institute of Technology
Ifakara Health Institute

U.S.A. & U.K.
3rd Stone Design
Hatch Technologies
London School of Hygiene & Tropical Medicine
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INNOVATION DELIVERED

Developing and delivering a bundle of technologies for newborn care: The NEST bundle consists of 15 affordable, effective medical devices and diagnostic tools that address the needs of small and sick newborns for temperature stability, respiratory support, hydration and nutrition, infection prevention, and neonatal jaundice treatment. Grouping these products together at a greater volume allows for health systems to provide more effective care at a lower cost, and for developers and distributors to sell or service at lower prices.

EDUCATION ECOSYSTEM

Building human resources to support newborn care and innovation: In addition to developing innovative technologies, NEST is educating clinicians and technicians on how to use and maintain the NEST tools which are creating employment opportunities, and building an ecosystem of innovators to create the next generation of technologies. This investment in education will provide the foundation for an innovation ecosystem and for future inventions needed for long-term health systems change.

LEARNING TO SCALE

Developing policy and the investment case to sustain quality newborn care: NEST works within health systems to learn what is needed to successfully scale and sustain quality hospital-based newborn care at the national level, establishing the blueprint to optimize care of small and sick newborns. NEST is developing an investment case to help health systems planners advocate for investments in facility-based newborn care, catalyzing investments by donors and governments in these and other countries.