



American Heart Association International **MATERNAL and CHILDHOOD SURVIVAL**

Cardiovascular disease (CVD) is the leading cause of death worldwide. In 2020, approximately

19.05 million deaths are attributed to CVD

31% of global deaths.¹

For nearly 100 years, the American Heart Association has been leading the fight against heart disease and stroke. **In the last 10 years, we've expanded our reach to over 100 countries,** working with organizations around the world to help change policies, implement programs, and strengthen healthcare systems to help improve and save lives.

We believe that where you live should not limit your health or the quality of your life.

The Difference Between Life and Death



The lives of the world's most vulnerable population – **young children** – are at an exponentially higher risk for death and disability in **low-income countries**. In 2019, **more than 5 million** children died **before reaching their fifth birthdays**, primarily of preventable illnesses.²



In low-resource countries, **more than 800 women die daily** from **complications of pregnancy and childbirth**.

Approximately **86%** of **global maternal deaths** in 2017 were in **Sub-Saharan Africa and Southern Asia**. **35%** of all global maternal deaths were in **Nigeria and India**.⁴

50% of all under-five deaths in 2019 occurred in just **five countries**: Nigeria, India, Pakistan, the Democratic Republic of the Congo and Ethiopia.³



Nigeria and India account for **1/3** of all **under 5 deaths**.

Our Work

A global leader in training healthcare providers in resuscitation, we also have established expertise in improving healthcare systems.



Through **Helping Children Survive**, we work with partners to help increase survival of children under 5 in India and Africa by providing ongoing simulation training for frontline providers.

This work strengthens referral relationships between local/regional systems to **expedite care for children**, and tracks outcomes to **improve the quality of care**.

We're working to prevent and manage rheumatic fever and **rheumatic heart disease (RF/RHD)** In collaboration with global partners, by providing training, technical assistance, necessary medications, technology and other support to frontline healthcare workers and medical facilities.

RF/RHD

primarily affects children and young people up to 25; RF/RHD is particularly deadly for young women, often undiagnosed until causing complications in pregnancy.



RHD Awareness

For at-risk community members, through education and disease awareness raising activities

Technical Assistance

provided to Ministries of Health in four countries, WHO Eastern Mediterranean Regional Office



1,400

health workers

provided in-service training on RHD prevention and management

Over \$6M

Directly funding field research on novel approaches to screening and treatment of RHD for both children and pregnant women.



600

patients reached through peer support, education and empowering disease self-management

The American Heart Association supports the World Health Organization in its work to strengthen emergency care systems that serve as the first point of contact for pregnant women and sick children in many parts of the world. The WHO's Global Emergency Care Systems Development initiative is making quality, timely emergency care accessible to people in low and middle-income countries in Africa, Asia, Latin America and the Middle East.



Development of resources including the WHO Emergency Care Systems Assessment (ECSA), Basic Emergency Care course, trauma and emergency care checklists, triage tool, Essential Resources for Emergency Care, and the Data Set for Emergency Care



Adoption of a resolution on emergency and trauma care by WHO and member-states



Several low and middle-income countries have conducted or are currently conducting the ECSA to **identify gaps in care delivery and create priority action plans to improve emergency care**

Our Impact

Over 1,800 healthcare providers and 170 instructors trained in India, Tanzania and Botswana to quickly **diagnose and treat children who are in medical distress**

57% year-over-year decrease in deaths in children under 5 at participating facilities in Botswana.

15% and 31% reduction in deaths in children under 5 in two pediatric wards at Tanzania site, within first year of training



1 Tsao CW, Aday AW, Almarzooq ZI, Alonso A, Beaton AZ, Bittencourt MS, Boehme AK, Buxton AE, Carson AP, Commodore-Mensah Y, Elkind MSV, Evenson KR, Eze-Nliam C, Ferguson JF, Generoso G, Ho JE, Kalani R, Khan SS, Kissela BM, Knutson KL, Levine DA, Lewis TT, Liu J, Loop MS, Ma J, Mussolino ME, Navaneethan SD, Perak AM, Poudel R, Rezk-Hanna M, Roth GA, Schroeder EB, Shah SH, Thacker EL, VanWagner LB, Virani SS, Voeks JH, Wang N-Y, Yaffe K, Martin SS; on behalf of the American Heart Association Council on Epidemiology and Prevention Statistics Committee and Stroke Statistics Subcommittee. Heart disease and stroke statistics—2022 update: a report from the American Heart Association [published online ahead of print January 26, 2022]. Circulation. doi: 10.1161/CIR.0000000000001052
 2 <https://www.who.int/news-room/fact-sheets/detail/children-reducing-mortality>
 3 https://www.who.int/gho/child_health/mortality/mortality_under_five_text/en/
 4 World Health Organization. (2019). Trends in maternal mortality 2000 to 2017: estimates by WHO, UNICEF, UNFPA, World Bank Group and the United Nations Population Division. World Health Organization. <https://apps.who.int/iris/handle/10665/327595>. License: CC BY-NC-SA 3.0 IGO