

One term to transform: universal health coverage through professional community health workers



With a shortage of 43 million health workers and half the global population without adequate access to essential health services, now is the moment for boldness that can reshape health care for generations.^{1,2} Currently, millions of experienced and trusted community health workers (CHWs) operate outside formal systems with most unsupervised, unequipped, and undertrained; this situation limits their impact and harms their wellbeing.³ CHWs provide door-to-door care, link people to facilities, and offer social support.⁴ Integrating professional CHWs (proCHWs) into health systems is a transformative strategy for achieving universal health-care provision, and government ministers can realise such integration within a single term.

Unlike proCHWs, who are salaried, skilled, supervised, and supplied, CHWs are underfunded and undervalued. Historical policies limiting wage growth have left 86% of CHWs in Africa unsalaried, while CHWs worldwide frequently work in undignified and dangerous conditions and face supply shortages more often than staff in health facilities.^{3,5-7} CHWs are often treated like amateurs, and so their performance suffers and communities pay the price for a collective failure to act on proven solutions.

For decades, proCHWs have shown their ability to save lives, enhance resilience, and support healthy economies. The case for proCHWs is compelling: it is a big idea that is cost-effective and feasible enough to transform health systems worldwide.⁸ ProCHWs have great impacts, substantially improving health outcomes and equitable access at scale. ProCHWs effectively address reproductive, maternal, neonatal, and child health needs, and infectious and non-communicable diseases.⁹ They consistently reduce deaths among newborn babies and children younger than 5 years and have achieved reductions in mortality rates in low-income and middle-income countries that are comparable to those in high-income countries.¹⁰⁻¹² If CHWs were scaled up in countries with the highest burdens of disease, it is estimated that nearly 47% of deaths among children younger than 5 years could be averted annually.¹³ ProCHWs perform best where they are needed most, providing crucial care in hard-to-reach

communities with inadequate health facilities where they can help improve access to care.¹⁴ ProCHWs ensure continuity of essential health services during pandemics, provide emergency preparedness and response to climate-health challenges, and reduce mortality among children younger than 5 years in conflict-affected areas.¹⁵⁻¹⁷

Beyond the health and access benefits, integrating proCHWs into health systems is cost-effective.¹⁸⁻²⁰ CHW-led services reduce costs for patients and health-care systems, drive economic growth through improved health and increased employment, and ultimately generate returns of up to US\$10 for every \$1 invested.²¹ The affordability of proCHWs increases as countries move closer to meeting the Abuja Declaration target for health spending.^{22,23} Bilateral and multilateral partners can substantially enhance government efforts by aligning financial commitments with national proCHW policies and committing to transparency and coordination for greater impact.

Importantly, integrating CHWs into existing health systems is also straightforward. The proCHW Policy Dashboard, the largest open-access public resource on national CHW policies, shows that over 40 countries across every WHO region have established a salaried and accredited proCHW workforce.²⁴ Heads of state and health ministers from the remaining 60 dashboard countries can

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confidently join them, using proven global frameworks from WHO and partners for design, implementation, and cost planning.²⁵⁻²⁷ Successful case studies show that such reforms are feasible and achievable within a single ministerial term: for example, former Minister of Health Tedros Adhanom Ghebreyesus in Ethiopia during the 2000s; former Minister of Health Bernice Dahn, building on the legacy of Minister Walter Gwenigale, in Liberia during the 2010s; and Minister of Health Kevin Bernard in Belize and Minister of Health Dr Robert Lucien Jean Claude Kargougou in Burkina Faso in 2024.^{28,29} Although all policy reform faces challenges (eg, nomenclature, interprofessional conflicts, and remuneration), integration is achievable. Key recommendations from a cross-country synthesis of successful case studies emphasised the need to cultivate political will through government-led coalitions, harness data for innovation and adaptation, secure community support, and invest in programme foundations (eg, salaries, skills, supervision, and supplies), not just the services CHWs deliver.²⁸ This process is no more complicated than what governments already manage; the distribution of countries with proCHW national policy aligns more with political will than with gross domestic product per capita.²⁴

Now is the time to seize this opportunity; proCHWs are key to the UHC2030 commitment and beyond.³⁰ In the face of economic downturns, political instability, climate change, armed conflict, and pandemic risks, investing in proCHWs is a strategic decision. The polycrisis demands action, not retreat, and although immediate challenges might seem daunting, the evidence is clear: proCHWs deliver high-impact, cost-effective results, even in the toughest times.

Government ministers can start now by committing to a clear policy shift towards proCHWs, building on the community health delivery already in place. In addition to connecting with the more than 40 ministers who have gone before, step-by-step guidance on this process is available, featuring country case studies (eg, Liberia and Ethiopia) and insights on designing and optimising CHW programmes; engaging key multisectoral stakeholders, including CHW associations; setting up dedicated budget lines for CHW remuneration, training, and support; and addressing common implementation challenges at scale.^{31,32}

With the right political leadership, proCHWs can be implemented nationally in years rather than decades.

Ministers can both commit and execute by establishing a sustainable, national proCHW model that will bolster universal health coverage and strengthen health systems for generations to come. One term to transform is both urgent and possible—the time to act is now.

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- 1 Haakenstad A, Irvine CM, Knight M, et al. Measuring the availability of human resources for health and its relationship to universal health coverage for 204 countries and territories from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet* 2022; **399**: 2129–54.
- 2 WHO. Billions left behind on the path to universal health coverage. 2023. <https://www.who.int/news/item/18-09-2023-billions-left-behind-on-the-path-to-universal-health-coverage> (accessed Dec 4, 2024).

- 3 Ballard M, Olaniran A, Iberico MM, et al. Labour conditions in dual-cadre community health worker programmes: a systematic review. *Lancet Glob Health* 2023; **11**: e1598–608.
- 4 Ballard M, Madore A, Johnson A, et al. Concept note: community health workers. Harvard Medical School, 2018.
- 5 Thomson M, Kentikelenis A, Stubbs T. Structural adjustment programmes adversely affect vulnerable populations: a systematic-narrative review of their effect on child and maternal health. *Public Health Rev* 2017; **38**: 13.
- 6 Ballard M, Odera M, Bhatt S, Geoffrey B, Westgate C, Johnson A. Payment of community health workers. *Lancet Glob Health* 2022; **10**: e1242.
- 7 Olaniran A, Briggs J, Pradhan A, et al. Stock-outs of essential medicines among community health workers (CHWs) in low- and middle-income countries (LMICs): a systematic literature review of the extent, reasons, and consequences. *Hum Resour Health* 2022; **20**: 58.
- 8 Starr K. Big enough. Simple enough. Cheap enough. Stanford Social Innovation Review. Dec 4, 2019. https://ssir.org/articles/entry/big_enough_simple_enough_cheap_enough# (accessed Dec 5, 2024).
- 9 WHO. Annex 2: service delivery areas on which there is published evidence of CHW effectiveness. In: WHO guidelines on health policy and system support to optimize community health worker programmes. World Health Organization, 2018.
- 10 Lewin S, Munabi-Babigumira S, Glenton C, et al. Lay health workers in primary and community health care for maternal and child health and the management of infectious diseases. *Cochrane Database Syst Rev* 2010; **2010**: CD004015.
- 11 Lassi ZS, Bhutta ZA. Community-based intervention packages for reducing maternal and neonatal morbidity and mortality and improving neonatal outcomes. *Cochrane Database Syst Rev* 2015; **2015**: CD007754.
- 12 Johnson AD, Thiero O, Whidden C, et al. Proactive community case management and child survival in periurban Mali. *BMJ Global Health* 2018; **3**: e000634.
- 13 Perry H, Zulliger R. How effective are community health workers: an overview of current evidence with recommendations for strengthening health community worker program to accelerate the achievement of health related Millennium Development Goals. Johns Hopkins Bloomberg School of Public Health, 2012.
- 14 McCollum R, Gomez W, Theobald S, Taegtmeier M. How equitable are community health worker programmes and which programme features influence equity of community health worker services? A systematic review. *BMC Public Health* 2016; **16**: 419.
- 15 Ballard M, Olsen HE, Milliar A, et al. Continuity of community-based healthcare provision during COVID-19: a multicountry interrupted time series analysis. *BMJ Open* 2022; **12**: e052407.
- 16 Domingo A, Little M, Beggs B, Brubacher LJ, Lau LL, Dodd W. Examining the role of community health workers amid extreme weather events in low- and middle-income countries: a scoping review. *Public Health* 2024; **236**: 133–43.
- 17 Liu J, Treleaven E, Whidden C, et al. Home visits versus fixed-site care by community health workers and child survival: a cluster-randomized trial, Mali. *Bull World Health Organ* 2024; **102**: 639–49.
- 18 Assebe LF, Belete WN, Alemayehu S, et al. Economic evaluation of Health Extension Program packages in Ethiopia. *PLoS ONE* 2021; **16**: e0246207.
- 19 McPake B, Edoka I, Witter S, et al. Cost-effectiveness of community-based practitioner programmes in Ethiopia, Indonesia and Kenya. *Bull World Health Organ* 2015; **93**: 631A–39A.
- 20 Abbott G, Bennett R, Hugo JF, Marcus TS. Modelling cost benefit of community-oriented primary care in rural South Africa. *Afr J Prim Health Care Fam Med* 2020; **12**: e1–8.
- 21 Dahn B, Woldemariam AT, Perry H, et al. Strengthening primary health care through community health workers: investment case and financing recommendations. World Health Organization, 2015.
- 22 Nepal P, Schwarz R, Citrin D, et al. Costing analysis of a pilot community health worker program in rural Nepal. *Glob Health Sci Pract* 2020; **8**: 239–55.
- 23 Taylor C, Griffiths F, Lilford R. Affordability of comprehensive community health worker programmes in rural sub-Saharan Africa. *BMJ Glob Health* 2017; **2**: e000391.
- 24 Community Health Impact Coalition. ProCHW Policy Dashboard. 2024. <https://joinchic.org/resources/prochw-policy-dashboard/> (accessed Dec 5, 2024).
- 25 Cometto G, Ford N, Pfaffman-Zambruni J, et al. Health policy and system support to optimise community health worker programmes: an abridged WHO guideline. *Lancet Glob Health* 2018; **6**: e1397–404.
- 26 Ballard M, Bonds M, Burey J, et al. CHW AIM: updated program functionality matrix for optimizing community health programs. USAID. 2018. <https://joinchic.org/resources/chw-aim> (accessed Dec 9, 2024).
- 27 Morrow M, Nelson A. Community Health Worker Coverage and Capacity Tool (C3). September, 2019. <https://mcsprogram.org/resource/community-health-worker-coverage-and-capacity-tool/> (accessed Dec 4, 2024).
- 28 Exemplars in Global Health. Community health workers. September, 2020. <https://www.exemplars.health/topics/community-health-workers> (accessed Dec 4, 2024).
- 29 Channel 5 Belize. Belize boosts support for community health workers with new training and resources. Channel 5 Belize. Aug 26, 2024. <https://edition.channel5belize.com/belize-boosts-support-for-community-health-workers-with-new-training-and-resources/> (accessed Dec 8, 2024).
- 30 Birn AE, Nervi L. What matters in health (care) universes: delusions, dilutions, and ways towards universal health justice. *Glob Health* 2019; **15** (suppl 1): 0.
- 31 HarvardX. Strengthening community health worker programs. 2024. <https://www.edx.org/learn/healthcare/harvard-university-strengthening-community-health-worker-programs> (accessed Dec 4, 2024).
- 32 Integrate Health, Last Mile Health. Framework for action: achieving gender equity in the community health workforce. 2024. https://womenchws.org/wp-content/uploads/2024/11/LMHIH_Final-Paper_Design-online.pdf (accessed Dec 8, 2024).