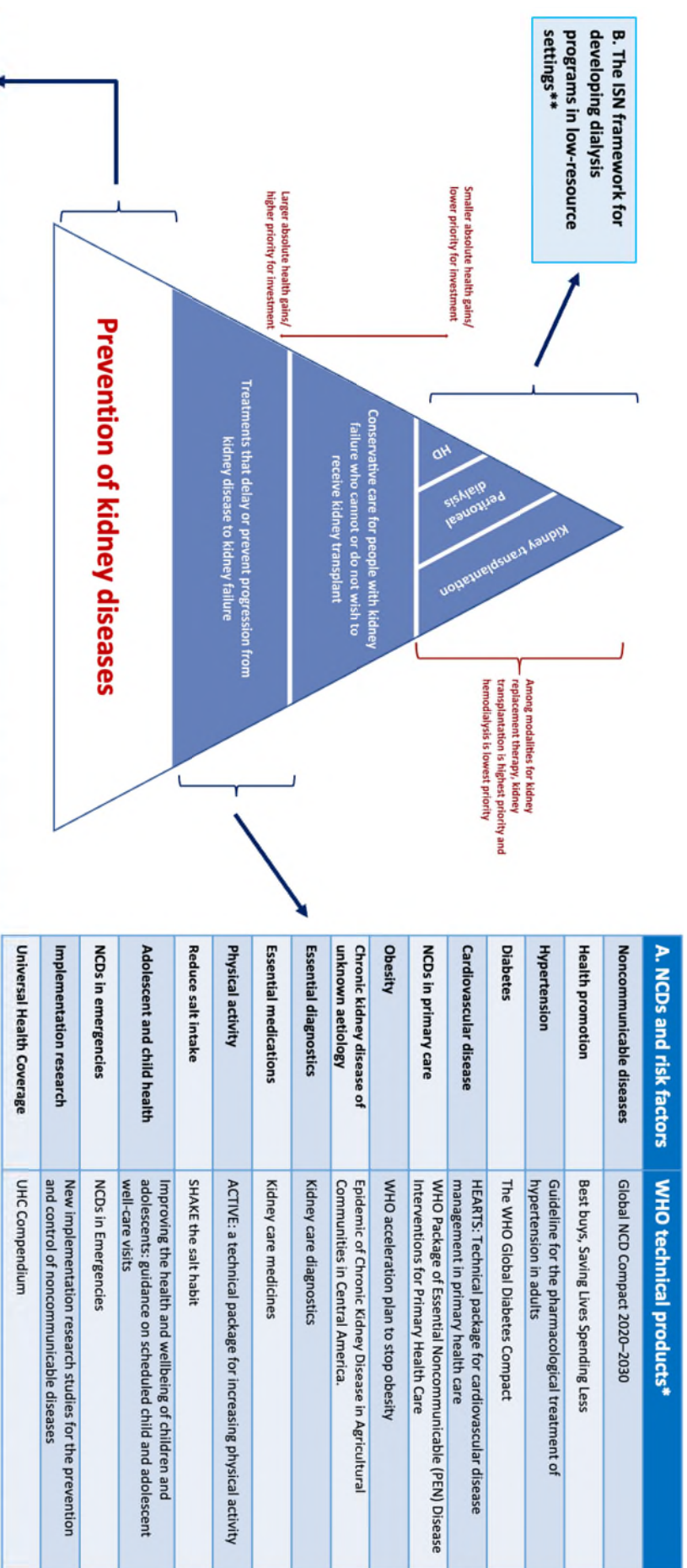


Supplementary information

Kidney health within the broader non-communicable disease agenda

**In the format provided by
the authors and unedited**



Supplementary figure 1. Proposed framework for implementing integrated kidney care. Technical products and reports developed by the WHO with potential relevance to kidney health are highlighted in the text boxes. Multiple noncommunicable disease (NCD) products are aimed at reducing major risk factors for NCDs (A), which are important strategies to prevent chronic kidney disease (CKD). Technical packages to treat hypertension, diabetes and cardiovascular disease include screening and treatment recommendations for CKD (A). A framework for dialysis in low- and middle-income regions has been developed by the International Society of Nephrology (B). Many WHO programmes directed at reducing infections and improving maternal and child health will promote kidney health and prevent kidney injury (C). Adapted with permission from *Kidney Int Suppl* 2020 10e19-e23DOI: (10.1016/j.kisu.2019.11.002), Elsevier. Links to technical products are listed in Supplementary Table 1.

Supplementary Table 1. WHO technical packages to support country approaches to NCDs and collaboration on kidney health

Noncommunicable disease targets*	Examples* of WHO programmes/technical packages which support kidney health	Link
Noncommunicable diseases	Global NCD Compact 2020–2030	https://www.who.int/initiatives/global-noncommunicable-diseases-compact-2020-2030
Health promotion	Best buys, Saving Lives Spending Less	https://www.who.int/publications/i/item/9789240041059
Hypertension	Guideline for the pharmacological treatment of hypertension in adults	https://apps.who.int/iris/bitstream/handle/10665/344424/9789240033986-eng.pdf
Diabetes	The WHO Global Diabetes Compact	https://www.who.int/initiatives/the-who-global-diabetes-compact
Cardiovascular disease	HEARTS: Technical package for cardiovascular disease management in primary health care: Evidence-based treatment protocols	https://www.who.int/publications/i/item/WHO-NMH-NVI-18-2
NCDs in primary care	WHO Package of Essential Noncommunicable (PEN) Disease Interventions for Primary Health Care	https://www.who.int/publications/i/item/9789240009226
Obesity	WHO acceleration plan to stop obesity	https://www.who.int/publications-detail-redirect/9789240075634
Chronic kidney disease of unknown aetiology	Epidemic of Chronic Kidney Disease in Agricultural Communities in Central America.	https://iris.paho.org/handle/10665_2/34132
Essential diagnostics	Kidney care diagnostics	https://www.who.int/news/item/19-10-2023-who-releases-new-list-of-essential-diagnostics--new-recommendations-for-hepatitis-e-virus-tests--personal-use-glucose-meters
Essential medications	Kidney care medicines	https://www.who.int/groups/expert-committee-on-selection-and-use-of-essential-medicines/essential-medicines-lists
Physical activity	ACTIVE: a technical package for increasing physical activity	https://www.who.int/publications/i/item/9789241514804
Reduce salt intake	SHAKE the salt habit	https://www.who.int/publications/i/item/WHO-NMH-PND-16.4
Adolescent and child health	Improving the health and wellbeing of children and adolescents: guidance on scheduled child and adolescent well-care visits	https://www.who.int/publications/i/item/9789240085336
NCDs in emergencies	NCDs in Emergencies	https://www.who.int/publications/i/item/noncommunicable-diseases-in-emergencies
Implementation research	New implementation research studies for the prevention and control of noncommunicable diseases	https://ahpsr.who.int/newsroom/news/item/15-09-2023-new-implementation-research-studies-for-the-prevention-and-control-of-noncommunicable-diseases
Universal Health Coverage	UHC Compendium	https://www.who.int/universal-health-coverage/compendium
Kidney Health**	Framework	Link
Kidney Replacement Therapy	The ISN Framework for developing dialysis programs in low-resource settings	https://www.theisn.org/wp-content/uploads/2021/03/ISN-Framework-Dialysis-Report-HIRES.pdf