

Supplementary Table A. Listing of significant health-related issues (HRI) after independent and collective alignment, combining, and entitling. ('# Sources' represents how many of the six data sources identified an HRI).

GBD ^a		HCW / Patient Opinion ^b	Government of Botswana documents ^c	Botswana tele-medicine literature ^d	SDG Target ^e	# Sources
Morbidity	Risk Factors					
HIV / AIDS	Unsafe sex		√	HIV / AIDS (delayed CD4 results; dermatological care; antenatal ART)	3.3, 3.7	5
Tuberculosis	Tobacco		√	TB screening / referral	3.3, 3.9, 3a	5
Ischemic heart disease (infarction)	High blood pressure; Tobacco; High body-mass index		√	Lack of blood pressure screening	3.4, 3.9, 3a	5
Stroke	High blood pressure; Tobacco; High body-mass index		√	Lack of high blood pressure screening	3.4, 3a	5
Diabetes	High fasting plasma glucose; High body-mass index; Dietary risks		√	Diabetic retinopathy detection	3.4	5
Diarrheal diseases	WaSH; Malnutrition; Dietary risks		√	Monitoring water quality	3.9, 6,	5
Neonatal disorders			√	High child mortality	3.2	4
Lower respiratory infection	Tobacco; Malnutrition; Air pollution		√		3.4, 3.9, 3a	4
		Shortage of HCWs;	√	Shortage of HCWs; Poor access to specialised healthcare	3c	4
Road injuries	Alcohol use		√		3.6	4
Interpersonal violence	Alcohol use		√		3.5, 5.2	4
		Prevalence of diseases (TB, blood pressure, cancer, HIV/AIDS, malaria, CVD)	√	Prevalence of TB, HIV, AIDS; Tracking infectious diseases.	3.3, 3.4	4
		Inefficient / poor referral system	√	HCW information exchange;		3

				Poor access to specialised healthcare		
		Lack of diagnostic and case management skills	√	Poor access to health education.		3
		Costs of accessing healthcare facilities and services	√	...	3.8	3
		Lack of medical equipment		Scarcity of resources	3.8	3
		Loss of patients to follow-up or monitoring	√			2
		Lack of medical and drug supplies		...	3.8, 3b	2
		Delayed reporting of laboratory results		Delayed reporting of CD4 results; LIMS management challenges		2
		Lack of ICT knowledge		Access / exchange healthcare information		2
		Congestion / over-crowding at healthcare facilities				1
		Transport shortages				1
		Increased patient workloads				1
				Rehabilitation issues		1
				Clinical information needs		1
				Cervical cancer screening.		1
				Specialist resources (Dermatology, Radiology)		1
				eHealth interoperability issues		1

^a - sourced from Institute for Health Metrics and Evaluation – Botswana Country Profile (2021) [26]

^b - sourced from prior research [13]

^c - sourced from multiple Government of Botswana documents (see text) - √ indicates one or more of the Government documents overtly addressed the specific or closely related HRI

^d - sourced from multiple documents retrieved from the literature (see text)

^e - sourced from Botswana domesticated SDG indicators (2018) [28] TB = Tuberculosis

BMI = Body Mass Index

WaSH = Water, Sanitation and Hygiene

CD4 = '*Cluster of Differentiation 4*' lymphocyte count

LIMS = Laboratory Information Management System

HCW = Healthcare Worker

NCD = Non-Communicable Disease

CD = Communicable Disease