

Strategic Plan

FY2022 - FY2026





CONTENTS

The Problem

NCDs	.5
Mental Health	6
Surgery	.7
MNCAH	8
Cancer	.9

The Approach

Our Model	10
Our Foundation	13
Our Theory of Change	15
The Opportunity	18
Our Contribution	20





Acronyms

ASRH	Adolescent Sexual and Reproductive Health	HDU	High Dependency Unit	MNCAH	Maternal Neonatal Child and Adolescent Health
BCCOE	Butaro Cancer Center of Excellence	HF	Health Facility	МОН	Ministry of Health
BDH	Butaro District Hospital	ICU	Intensive Care Unit	NCD	Non Communicable Diseases
BP	Blood Pressure	KDH	Kirehe District Hospital	OPD	Outpatient Department
СВНІ	Community Based Health Insurance	MESH	Mentorship and Enhanced Supervision	OR	Operating Room
ECD	Early Childhood Development	MH	Mental Health	RBC	Rwanda Biomedical Center
НС	Health Center	MINEDUC	Ministry of Education	RDH	Rwinkwavu District Hospital







The Problem







NCDs

Non-Communicable Diseases

NCDs Mortality Rate For Over 40s in Rwanda

14%

63%
Future Estimated by WHO

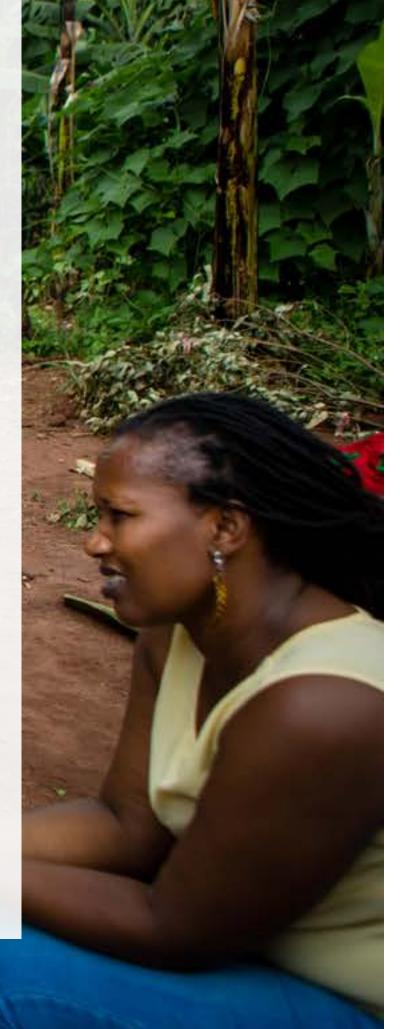
National statistics show that the Rwandan population is ageing which is a major risk factor for NCDs with the World Health Organization estimating that the mortality rate for over 40s due to NCDs could skyrocket to 63% compared to the current data showing about 14% of the overall mortality being due to NCDs and injuries.

The Ministry of Health strategic plan outlines objectives aimed at tackling NCDs including increasing financial accessibility to NCD services, countrywide scaling up of Home-Based Care Programs, multi-sectoral collaboration, and increasing access to specialized NCD services.

Services providedAsthma, Diabetes,
Heart Failure,

Hypertension

Services not available
Silicosis,
Kidney Disease









MENTAL HEALTH

It is estimated that 1 in 5 people in Rwanda have one or more mental disorders



MOH priorities for Mental health

- Social inclusion and recovery
- Engaging traditional + faith based healers
- Community and home-based care for rehabilitation and long-term care
- Reintegration and rehabilitation models

Mental and substance use account for 7.4% of the global disability-adjusted life years (DALYs).

We recognize the importance of community and homebased care for rehabilitation and longterm mental health care to reduce the burden of hospitalization on mental health patients and their families.

Prevalence (2018 Rwanda Mental Health Survey)

2.6%

11.9%

8.1%
Panis Disorder

Services provided for

Psychosis, Bipolar Disorder, Depression, Schizophrenia, Epilepsy

Services not available for

PTSD, Epilepsy Diagnostics (EEG Machine), Neurology





SURGERY

Five billion people worldwide lack access to lifesaving and disability-averting surgery and anesthesia care and three-quarters of mortality attributable to emergencies requiring surgery occur in LMICs. In East Africa alone, 17 million people lack access to safe emergency, anesthesia and surgery services with approximately 58.7% of Rwandans do not have access to timely, safe, and affordable surgical and anesthesia care.

Economic losses from the burden of surgical illness will constitute almost 2% of the GDP of low and middle-income countries by 2030.

Services provided

C-Sections

Services not available

Laparotomy & Fracture,
Burn Management,
Tracheostomies,
Fistula Repair,
Central Placement Lines,
Herniorrhaphies,
Hydrocele Repairs,
Foreign Body Removals







MNCAH

Maternal, Neonatal, Child and Adolescent Health

Rwanda has cut maternal mortality in half in the past decade. However, the leading causes of maternal death in Rwanda – post-partum haemorrhage, infections, and pre-eclampsia/eclampsia – are preventable, so more work needs to be done.

Rwanda has made great strides in reducing neonatal mortality as well. However, as more children are surviving the neonatal period, more follow-up is required to ensure developmental delays are identified and addressed.

In Rwanda

40%

of under-five deaths occur the first four weeks 54%

of neonatal deaths happen withi 48 hours of delivery 61%

of maternal death are preventable.

One of the Ministry of Health's strategic goals is to create a "harmonized, integrated, sustainable and youth-friendly MNCAH package that is inclusive of prevention, promotion, treatment, commodities and innovative technologies at all levels of the health care system.

Services provided

Neonatal Intensive Care (NICU), Pediatric Development Clinic

Services not available

Postnatal Care, Postpartum Depression, Youth-friendly services











Cancer oral medicine awaiting to be delivered by drone to PIH/IMB cancer patients Kayonza District's Zipline warehouse. April 14th 2020

CANCER

Between 2008 and 2030, the number of new cancer cases is expected to increase more than 80% in low-income countries like Rwanda, which is double the rate expected in high-income countries (40%).

We are using old generation drugs that may be suboptimal for the desired impact. There is a need for improvements in diagnostics, therapeutics, early disease identification and management to further improve cancer care.

Services provided

Chemotherapy,
Palliative Care,
Limited Surgical Care

Services not available

CT Scan, Mammography,
Brachytherapy, Flow
Cytometry, Tissue
Processor, Microbiology,
Advanced Surgical Care

Cancers treated

Any stage(including metastatic)

- Acute lymphoid leukemia
- Breast cancer
- Burkitt's lymphoma
- Chronic lymphoid leukemia
- Chronic myeloid leukemia**
- Colon cancer
- Gastric cancer
- Germ cell tumors
- Gestational trophoblastic disease
- Hodgkin lymphoma

- Kaposi's sarcoma
- Non-Hodgkin lymphoma
- Ovarian cancer
- Rectal cancer
- Wilm's tumor

Early or locally advanced stage only:

- Cervical cancer
- Head and neck cancer
- Osteosarcoma
- Rhabdomyosarcoma

The National Cancer Control Plan aims to increase access to pain management and palliative care.





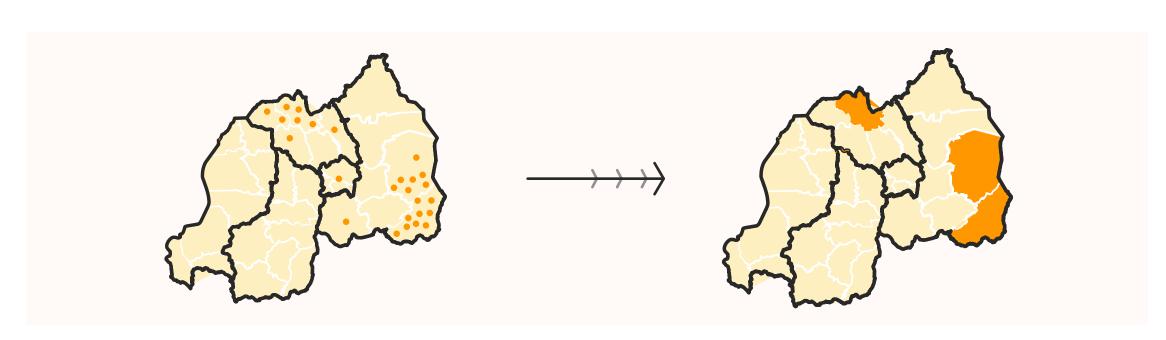


The Approach
Our Model





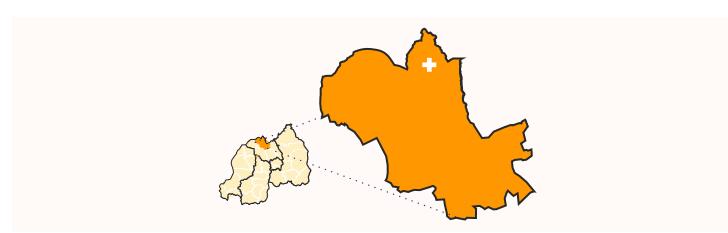
CLINICAL AREAS OF FOCUS



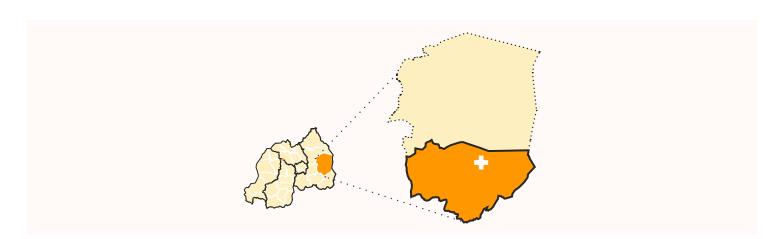
We are departing from our pursuit of a broad array of health care programs towards an **Exemplar District** approach, which concentrates investment in three Clinical Areas of Focus.

With this approach, PIH/IMB will honor its commitment to creating a preferential option for the poor by further developing innovations within each rural district hospital and its administrative structure as we push to better serve people and patients within our catchment area.

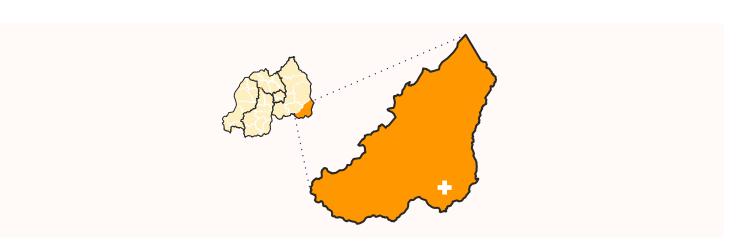
Cancer Exemplar District



Surgery & Chronic Care Exemplar District



MNCAH Exemplar District



Burera

All cancer patients have an improved quality of life and have a higher chance of survival. Develop innovative approaches to care that inform national oncology policy.

South Kayonza

Patients suffering from chronic illnesses and injuries are detected, linked to care and provided with patient-centered treatment. Develop innovative approaches to chronic care that inform national policy.

Kirehe

Newborns, children, adolescents, pregnant mothers and women survive and thrive. Develop innovative approaches to maternal, neonatal and child health care that inform national policy.





ENABLING ENVIRONMENT FOR EXCELLENCE



Biomedical Engineering

Enable the three districts to be able to provide timely, quality, innovative and technologically advanced care to their patients at health centers and district hospitals.



Infrastructure

Upgrade and build facilities at each District Hospital to host dignified and safe health services and expand facilities for specialized care.



Capacity building of Healthcare providers

Ensure that all care providers in the facility and the community have the knowledge, skills and attitudes to provide the highest quality of care at every opportunity and an enabling environment to perform at their best.



Lab Strengthening

Enable District Hospitals to provide packages of care inclusive of high-quality laboratory testing that is accessible to patients regardless of their socioeconomic status and meets recognized international standards.



Leadership & Governance

Reinforce existing governance structures with technical expertise, trainings and technology for datadriven decision making and financial resilience.



Right to Healthcare

Every patient receives the tertiary care they need, regardless of their socioeconomic status through facility partnerships and Solidarity Fund.



Community Engagement

Co-develop, co-implement, and coevaluate interventions with community leaders and health workers. Revitalize the Patient Voice platform at health facilities.



Social Support

Support patients while building a multi-sector movement to remove socioeconomic barriers to health and healing.







The Approach Our Foundation





OUR FOUNDATION

Cancer Care



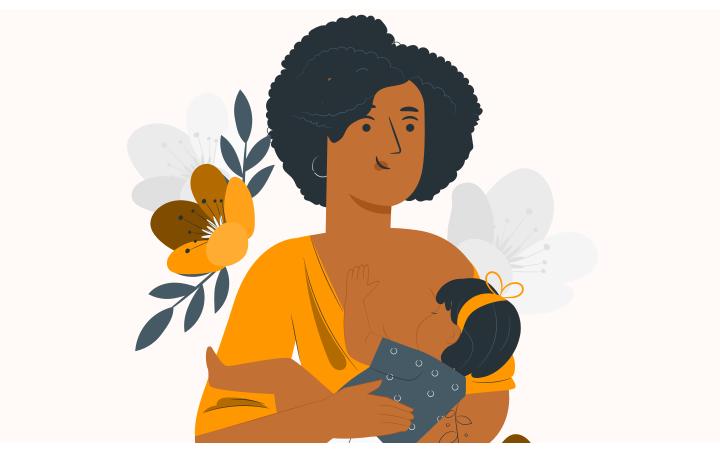
The Butaro Cancer Center of Excellence in Burera serves as a model of cancer care that is both effective in low-resource settings and accessible for poor and rural populations. The Center of Excellence also serves as an education and training hub for the next generation of Rwandan health care leaders who will serve cancer patients across the continuum of care. Currently, Butaro District Hospital is undergoing renovation and expansion to serve as a teaching hospital for medical students at the University of Global Health Equity.

Chronic Care



Working with the Non-Communicable Disease Department at Rwanda Biomedical Center, we have developed task-shifting models and conducted rigorous implementation research. This collaboration has generated evidence that nurses and CHWs are capable to provide chronic care patients far more than pain relief- through training and mentorship they are well-placed to actively manage and support patients with chronic illness and those recovering from surgery. From bringing echocardiography to health centers across the country to supporting patients monitor their glucose levels at home, we have a strong track record in bringing care closer to the patients who need it most.

MNCAH



In collaboration with UNICEF, MOH and PIH developed the Pediatric Development Clinic, the first innovation of its kind in East Africa that uses task-shifting for early identification and early intervention for babies born premature and low birth weight, which has proven to decrease neonatal mortality, stunting and developmental delays. Today, we have a full-time OBGYN at the Kirehe District Hospital who provides care delivery and mentorship to general practitioners as well as a Senior Neonatal Nurse Mentor supporting hospital clinicians in the Neonatal Intensive Care Unit.







The Approach Our Theory of Change





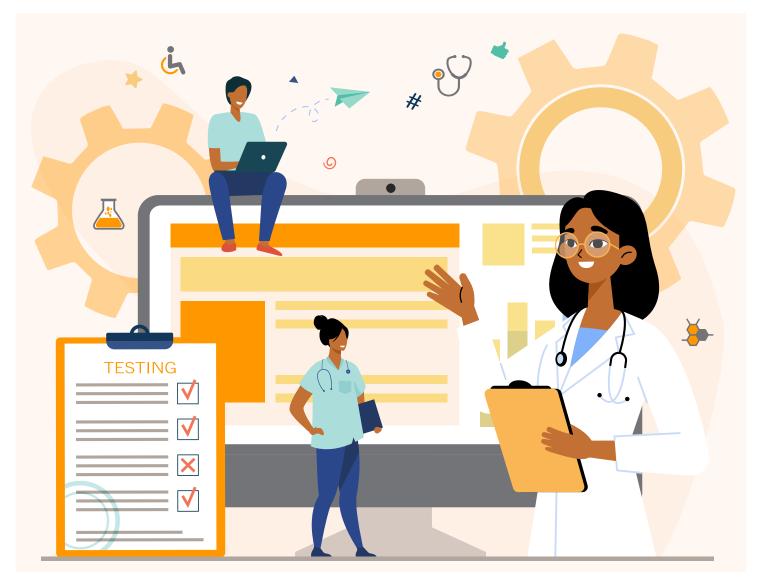
THE FRAMEWORK

Our Vision



Our Vision is thriving communities of healthy, happy and productive people, where social justice and universal quality health services are available to all.

Our Mission



Our Mission is to support Rwanda in designing, building and implementing a world class health system that provides equitable, accessible and high-quality services to all in need.

Our Values







THEORY OF CHANGE

The Opportunity



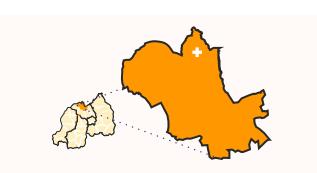




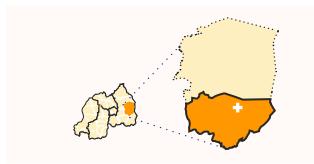


In the next five years, we aim to build systems that support our mission of providing dignified patient-centred healthcare and social support services by investing in quality, equitable, innovative and sustainable care.

Our Contribution



All cancer patients have an improved quality of life and have a higher chance of survival. Develop innovative approaches to care that inform national oncology policy.



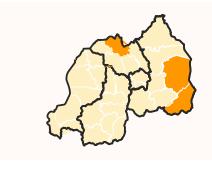
South Kayonza

Patients suffering from chronic illnesses and injuries are detected, linked to care and provided with patient-centered treatment. Develop innovative approaches to chronic care that inform national policy.



Kirehe

Newborns, children, adolescents, pregnant mothers and women survive and thrive. Develop innovative approaches to maternal, neonatal and child health care that inform national policy.



All 3 Districts

Each PIH-supported district is an enabling environment for excellence for all areas of clinical care

MEDICAL MISSION



Engineering

Ensuring the tools and resources needed for care delivery and administration.



Infrastructure

spaces with capacity to serve need.



Capacity building of Healthcare providers

staff are equipped for provision of quality care.



Strengthening

Providing basic necessities and resources needed to ensure effective care.



Leadership & Governance

and information.

Right to Healthcare

Every patient receives the tertiary care they need.

MORAL MISSION



Community Engagement

Co-develop, coimplement, and coevaluate interventions with community leaders and health workers.



Support patients while building a multi-sector movement to remove socioeconomic barriers to health and healing.

The Outcomes

Indicator	Target 2026
Oncology Exemplar District Burera District	
Average Accreditation Score in Level 3	80% Level 3
Number of cancers treated	20
Percentage of oncology patients who are lost to follow up	<10%
Proportion of patients presenting at Butaro Cancer Center of Excellence with early stage disease by cancer type	75% for all cancers
BDH Accreditation as a teaching hospital	Yes
% of patients who are able to receive radiotherapy in country	>95%
% of patients who are able to receive radiotherapy in country	100%

Surgery & Chronic Care Exemplar District Kayonza District		
Accreditation Score	TBD after baseline	
% of patients screened for NCDs who had contact with a health provider within 1 month of referral to the next level	>95%	
% of NCD patients who are lost to follow up	5%	
Proportion of <40 patients who died from NCDs	20%	
Proportion of health facilities providing mental health services as per national guidelines	90%	
Estimated % of patients with recognized mental disorders in each health center's catchment area who receive MESH MH services	50%	
% of patients referred for bellwether procedures to Kigali	10%	
Bellwether perioperative mortality rate	1.5%	

Maternal, Neonatal & Child Health Exemplar District Kirehe District		
Average Accreditation Score in Level 3	80% Level 3	
Neonatology mortality rate	13.2 per 1000 LB	
Maternal mortality rate	115 per 100,000 LB	
Infant Mortality Rate	40.5 per 1000	
Under Five Mortality Rate	30 per 1000	
Prevalence of children aged 0-50 months who are stunted	15%	







The Approach
The Opportunity





THE OPPORTUNITY

Quality



are doubling down our efforts the understand root causes disrespectful care and will be implementing measures to guarantee that respectful care is delivered at every interaction with a patient. In the next 5 years, we will help health care providers offer more to their patients: better diagnostics, better treatment options, and better follow-up.

Equity



We understand that receiving health care should not create an extra burden on the people in the communities we serve and that for notions of equity to be maintained patient voices need to be at the core of the treatment and recovery process. This is why PIH/IMB aims to invest in bringing healthcare closer to patients whilst leveraging patient peer support groups and develop biosocial approaches and models that can improve patients' autonomy and ability to engage in incoming-generation, caregiving and community activities.

Innovation



At PIH-IMB we are committed to providing services and care that accounts for the holistic health and wellness of our patients. To do this we plan to leverage our research and quality improvement programs ensuring that we are informed on best practices and updated models of healthcare delivery for our patients. We will continue to partner with others who find new ways to bring high quality care to the patients who are farthest from it.

Sustainability



PIH/IMB acknowledges that the quality of healthcare does not exist in a vacuum and is influenced by various social and environmental factors. This is me for the next five years we are committed to a multi-sectoral approach to health delivery and shared decision making with the communities we serve. An approach that would allow us to engage with key and respected community leaders to help facilitate positive impact of our programs.







The Approach Our Contribution





OUR CONTRIBUTION

Cancer Exemplar District

Burera

Butaro District Hospital is undergoing renovation and expansion to serve as a teaching hospital for medical students at the University of Global Health Equity. Our vision for the future is a Butaro District Hospital Cancer Center of Excellence that works in tandem with the Rwanda Cancer Center to provide accessible, high-quality cancer care in Rwanda with advanced capabilities in imaging and surgical interventions for cancer. We see Butaro as the birthplace for scalable innovations and models for palliative care, and a continued destination for health research and learning. Finally, we will improve imaging capacity for cancer staging and follow up, and carefully introduce new drug regiments to improve and expand treatment options.

By 2026: CT Scan, Mammography, Brachytherapy, Flow Cytometry, Tissue Processor, Microbiology, Cancer Surgery, 10 new molecules for existing cancers, 5 new cancers treated.

Surgery & Chronic Care

Exemplar District

South Kayonza

Through developing task-shifting models and conducting rigorous implementation research, we have generated evidence that nurses and CHWs are capable to provide chronic care patients far more than pain relief- through training and mentorship they are well-placed to actively manage and support patients with chronic illness and those recovering from surgery. Building on this model, we will start a Center for Excellence in Surgery and Chronic Care at Rwinkwavu District Hospital which will leverage the existing network of CHWS in the provision of essential chronic and surgery care for our patients. We'll also explore culturally relevant and practical models that can be adapted for home-based care with the aim of reducing travel time and distance for the patients we serve.

By 2026: Laparotomy & Fracture, Burn Management, Tracheostomies, Fistula Repair, Central Placement Lines, Herniorrhaphies, Hydrocele Repairs, Foreign Body Removals, EEG Machine, Neurology, PTSD Management, Silicosis Management, Renal Clinic.

MNCAH Exemplar District

Kirehe

It is our core belief that every child deserves the opportunity to reach their full potential, and we have unique opportunity to leverage the significant gains that have been made through our collaborations with the MOH and other partners to position Kirehe as a center for learning the best models and practices in maternal, neonatal, child and adolescent health.

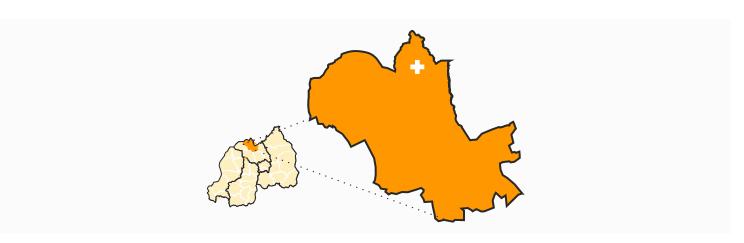
Building off of our experience with Nyamirama Youth Corner, we will accompany Kirehe District health facilities to ensure all services are accessible and welcoming to youth and adolescents.

By 2026: Neonatal Intensive Care (NICU), Full District Coverage of Pediatric Development Clinic, High Quality Postnatal Care, Care for Postpartum Depression, Youthfriendly services at every Health Facility





Cancer Exemplar District

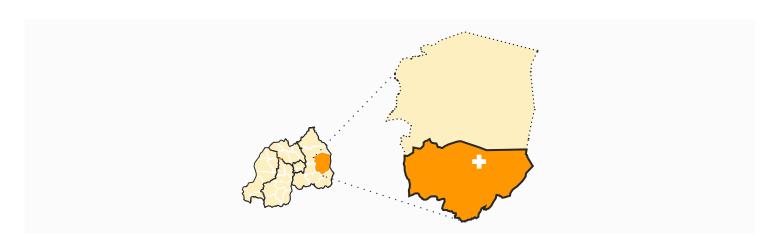


Burera

Indicator	Status in 2021
Average Accreditation Score in Level 3	80% Level 3
Number of cancers treated	20
Percentage of oncology patients who are lost to follow up	<10%
Improved patient satisfaction with Oncology care process, the care environment, and the organization's staff	TBD after baseline assessment
Proportion of patients presenting at Butaro Cancer Center of Excellence with early stage disease by cancer type	75% for all cancers
BDH Accreditation as a teaching hospital	Yes
% of patients who are able to receive radiotherapy in country	>95%

STATUS IN 2021

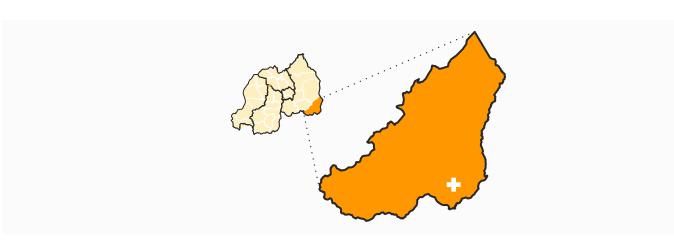
Surgery & Chronic Care Exemplar District



South Kayonza

Indicator	Status in 2021
Accreditation Score	Not available
% of patients screened for NCDs who had contact with a health provider within 1 month of referral to the next level	Not available
% of NCD patients who are lost to follow up	12%
Proportion of <40 patients who died from NCDs	39%
Average symptoms improvement score of assessed mental health patients	Data not available
Proportion of health facilities providing mental health services as per national guidelines	6%
Estimated % of patients with recognized mental disorders in each health center's catchment area who receive MESH MH services	25%
% of patients referred for bellwether procedures to Kigali	Data not available
Bellwether perioperative mortality rate	2.50%
% of patients who received bellwether surgeries who had successful outcomes	Data not available
Improved patient satisfaction with chronic care processes, the care environment and the organization's staff	TBD after baseline assessment
Improved patient satisfaction with surgery care	TBD after baseline assessment

MNCAH Exemplar District



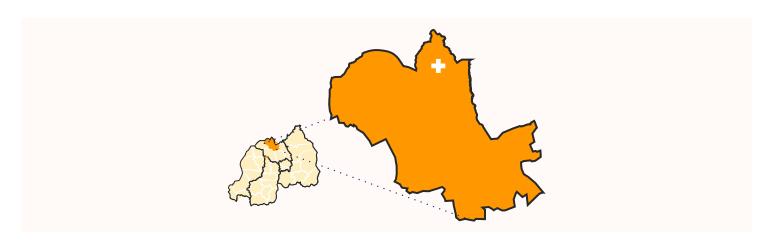
Kirehe

Indicator	Status in 2021
Average Accreditation Score in Level 3	4% in Level 3
Neonatology mortality rate	19 per 1000 LB
Maternal mortality rate	203 per 100,000 LB
Infant Mortality Rate	33 per 1000
Under Five Mortality Rate	45 per 1000
Prevalence of children aged 0-50 months who are stunted	33%
Improved patient satisfaction with MNCAH care process, environment, the care environment, and the organization's staff	TBD after baseline assessment





Cancer Exemplar District

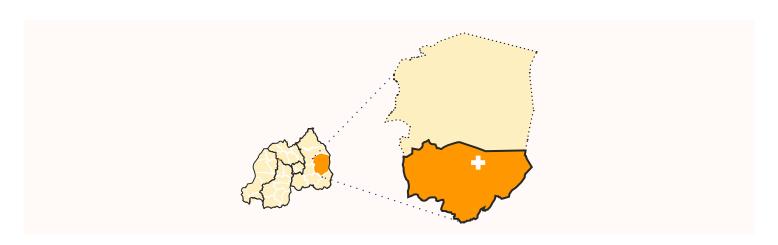


Burera

Indicator	Target 2026
Average Accreditation Score in Level 3	5% in Level 3
Number of cancers treated	15
Percentage of oncology patients who are lost to follow up	20%
Improved patient satisfaction with Oncology care process, the care environment, and the organization's staff	TBD after baseline assessment
Proportion of patients presenting at Butaro Cancer Center of Excellence with early stage disease by cancer type	23% for all cancers
BDH Accreditation as a teaching hospital	No
% of patients who are able to receive radiotherapy in country	80%

STATUS IN 2026

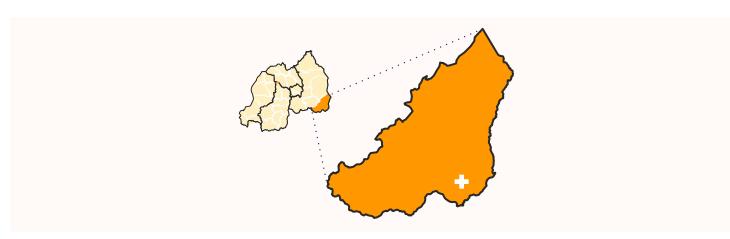
Surgery & Chronic Care Exemplar District



South Kayonza

Indicator	Target 2026
Accreditation Score	TBD after baseline
% of patients screened for NCDs who had contact with a health provider within 1 month of referral to the next level	>95%
% of NCD patients who are lost to follow up	5%
Proportion of <40 patients who died from NCDs	20%
Average symptoms improvement score of assessed mental health patients	TBD after baseline assessment
Proportion of health facilities providing mental health services as per national guidelines	90%
Estimated % of patients with recognized mental disorders in each health center's catchment area who receive MESH MH services	50%
% of patients referred for bellwether procedures to Kigali	10%
Bellwether perioperative mortality rate	1.50%
% of patients who received bellwether surgeries who had successful outcomes	TBD after baseline assessment
Improved patient satisfaction with chronic care processes, the care environment and the organization's staff	TBD after baseline assessment
Improved patient satisfaction with surgery care	TBD after baseline assessment

MNCAH Exemplar District



Kirehe

Indicator	Target 2026
Average Accreditation Score in Level 3	80% Level 3
Neonatology mortality rate	13.2 per 1000 LB
Maternal mortality rate	115 per 100,000 LB
Infant Mortality Rate	40.5 per 1000
Under Five Mortality Rate	30 per 1000
Prevalence of children aged 0-50 months who are stunted	15%
Improved patient satisfaction with MNCAH care process, environment, the care environment, and the organization's staff	TBD after baseline assessment





WHAT WILL BE DONE

Through the reallocation of funds previously allocated towards salaries for health facilities' human resources, PIH/IMB will invest in biomedical equipment and maintenance, infrastructure, and other investments to strengthen the district health system.

Cancer Exemplar District

Area Of Support	Activities
Oncology	 Strengthen screening and diagnostics at health centers for breast and cervical cancers Build and equip Adult Oncology ward Build and equip Pediatric Oncology ward Equip district hospital with CT Scan, Mammography, Brachytherapy, Flow Cytometry, Tissue Processor, Microbiology, Cancer Surgery Bring on 2 new cancer molecules a year for existing cancers Treat 1 new cancer per year
Teaching hospital	 Build and equip Emergency, Trauma & Imaging Unit, Pediatric Ward, additional OPD services, Administrative Block, Comprehensive isolation center Renovate and create: Adult ICU, Gynecology & General Surgery Unit, OBGYN full-OR, Maternity, Oxygen Plan and piping, Support Services (incinerator, sewage, water tanks, generators, electrical transformer, etc.)

Surgery & Chronic Care Exemplar District

Area Of Support	Activities
NCDs	 Partner with Team Hear to improve follow up of cardiac surgeries Capacity Building: Develop curriculums and teaching plans (cardiology, diabetes, hypertension, chronic respiratory diseases, cardiac ultrasound imaging, spirometry, management of injuries, etc.) with E-learning components, on-site training for nurses and integrated NCD screening tools Introduce echocardiography at health centers Strengthen home-based monitoring Expand home-based NCD care and management
Mental Health	 EEG machine to diagnose epilepsy Capacity building: Develop curriculums (diagnostics, medication prescription, management, culturally adapted psychotherapeutic approaches, depression screening tools, psychological first aid, psycho-rehabilitation) and in-service training Introduce specialists and supplies for Neurology, PTSD management Introduce integrated inpatient care
Surgery	 Upgrade anesthesia services Partner with Gahini District Hospital for orthopedic management Expand operating theatre Procure & install oxygen plant Build new surgical ward Renovate ER to equip for emergency services Introduce specialists and supplies for high quality surgery

MNCAH Exemplar District

Area Of Support	Activities
	• Increase oxygen capacity of Kirehe District Hospital in order to supply
Maternal,	Kibungo Hospital
·	 Equip 2 full OBGYN operating rooms, adult ICU, MCH block, OPD block, and upgrade support services at Kirehe District Hospital
Neonatal,	Build and equip a maternity waiting area
Child and	Equip simulation lab for trainings
Cilia alla	Build and equip human milk bank
Adolescent	 Equip health center maternities Develop a package for fistula care that can be delivered at the hospital
	including timely referral
Health	 Every Kirehe District health facility provides friendly and inclusive services to adolescents and youth







Healthcare providers





Governance







