



Overview of common project portfolio types (outputs)

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Project title	Objective	Project Portfolio Types	Description
Radiotherapy	Cities improve quality and safe radiation therapy within the network of city hospitals	RT quality assurance programs	Defining planning and treatment processes to prevent/minimise potential errors and improve treatment outcomes based on international standards.
		Rt development plans	Outline each city's current capacity, define the supply and demand of RT services in a city and propose a city-wide implementation roadmap to improve access to radiotherapy.
Imaging / Nuclear medicine	Defining planning and treatment processes to prevent/minimise potential errors and improve treatment outcomes based on international standards	Quality assurance guidelines	Defining planning and treatment processes to prevent/minimise potential errors and improve treatment outcomes based on international standards.
		Strategic development plan	Outline each city's current capacity, define the supply and demand of radiology and nuclear medicine services in a city and propose a city-wide implementation roadmap to improve access to radiology and nuclear medicine.
		Standardised radiology report	Outline core/mandatory elements of radiology reporting for staging of breast and cervical cancer.
		Syllabus for common training of radiation technologists	Develop a training syllabus to strengthen knowledge of radiation technologists.
		Technical report/feasibility study to promote PET-CT use	Develop a technical report advocate to the policy makers for inclusion of PET/CT into public and/or private reimbursement schemes and will lay the foundation for financial study/investment case to bring PET/CT to the forefront.
Case for reimbursement for use of PET CT	Document a health technology assessment of PET scan for national and private insurers to consider the inclusion of PET interventions in their coverage.		
Multidisciplinary management of common cancers	Cities improve quality and standardisation of cancer care	Multidisciplinary team approach	Contribute to establishment of a standardised multidisciplinary approach to cancer treatment.
		Guidelines for management of patients with invasive cancer	Provide evidence-based, resource-stratified recommendations to clinicians and policy makers on the management of common cancers (breast, cervical, colorectal, prostate, lymphoma).
Pathology	Cities improve quality and standardisation of pathology diagnosis	Pathology quality control programs, including standard operating procedures	Develop guidelines and common procedures to ensure harmonisation of quality in the pre-analytical, analytical and post-analytical pathology phases in laboratories in the city.
		Standardised pathology reports	Outline a standard reporting format with core parameters as a resource to develop standard reporting formats across pathology laboratories.
		Laboratory development plan	Define minimal operating requirements, criteria for inclusion of new techniques and continuous professional development programmes.
Palliative care	Cities increase access to quality palliative care at all levels of the health system	Palliative care development plans	Outline each city's current capacity, define the supply and demand of palliative services in a city and propose a city-wide implementation roadmap to improve access to palliative care services.
		Palliative care training course	E-learning course for capacity building of primary health care providers in palliative care.
		Pain management guidelines	Provide guidance to clinicians on the management of pain associated with cancer or its treatment.
Medical oncology	Cities improve access to quality medical oncology services and medicines	Standardised minimum operating requirements for medical oncology	Define minimum requirements to deliver quality and safe systemic anticancer therapy in current and future facilities, including quality checklists.
		Essential oncology medicines list	Outline agreed essential oncology medicines for adults and children for prioritised cancers.

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Training and education	Cities strengthen education and professional training programs in cancer care	Training and education development plans	Outline each city's current capacity, define the supply and demand of training and education in a city and propose a city-wide implementation roadmap to improve training and education for cancer care.
		Training modules	Develop and implement capacity building modules to strengthen knowledge of non-cancer specialists and primary healthcare professionals on cancer care.
Surgery	Cities improve capacity and quality of cancer surgery	Surgical oncology development plans	Outline each city's current capacity, define the supply and demand of surgery services in a city and propose a city-wide implementation roadmap to improve access to surgical oncology.
		Establish sub-specialised surgical oncology teams	Outline a strategy to establish local sub-specialised surgical oncology teams in prioritised cancers (breast and cervical).
Cancer registries	Cities enhance and strengthen cancer registries	Cancer registry office equipped and furnished	Supports establishment a population-based cancer registry through refurbishment of dedicated space and recruitment of staff.
		Sensitisation of target facilities and training of staff	Sensitisation on the need for quality data collection, management in facilities targeted to provide data to population-based cancer registry, training new and existing staff, and data assessment workshops.
		Data policy guidance	Develop guidelines and recommendations to harmonise processes for data collection, synchronisation and dissemination.
		Advocacy document	Develop an advocacy resource for streamlining patient data authorisation to include data in the population based cancer registry.
Ethical committees	Cities establish clinical ethical committees on cancer care in cancer care facilities in the city	Guidelines on clinical ethical committee	Defining planning and implementation processes to establish hospital ethics committees focused on oncology diagnosis and treatment.
Cost efficiency	Cities increase the efficiency and optimisation of financial coverage of priority diagnostic and treatment techniques	Research protocol	Outline research protocols for analysis of opportunities to improve access of patients with prostate cancer to radiotherapy.
		Funding mobilisation to support study implementation	Dissemination of research protocols with network of partners to fundraise for study implementation.
Sustainable health financing	Improve capacity and develop sustainable financing mechanisms for cancer care	Case for investment	Outline each city's current capacity, define the supply and demand of RT services in a city and propose an investment case for purchasing a linear accelerator with an analysis of impact.
		Health financing landscape assessment	Research on the demand for radiotherapy and medical oncology treatment services and the current health financing landscape in cities.
Pediatric oncology	Improve early diagnosis of common childhood cancers and treatment completion	Referral mechanisms between the hospital, share care sites and satellite sites	Develop and implement referral mechanisms between hospitals, share care and satellite sites to ensure continuity of care and contribute to reducing treatment abandonment.
		Public awareness of early warning signs and symptoms of childhood cancers increased.	Develop job aids on early warning signs and symptoms and trainings for healthcare professionals on early warning signs and basic diagnosis and management of childhood cancer.

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Primary health care	Build skills of professionals working at the primary health care level and to develop a scalable resource for C/Can cities	E-Learning course on oncology in primary health care	Develop training modules on cancer care targeted to non-cancer medical specialists, including primary health care professionals, focused on early diagnosis and management of common symptoms associated with cancer and cancer therapy related adverse effects.
TeleEcho	Strengthening leadership roles of nurses working in cancer care, and mentoring in good practices in radiotherapy and pathology	E-Learning course on oncology nursing	Develop and implement a series of virtual training modules on defining and exploring the qualities of a successful nurse leader, driving better outcomes and improving patient safety and quality of patient care, and patient navigation.
		E-Learning course on radiotherapy	Develop and implement a series of virtual training modules to promote good practice guidelines for the procurement and maintenance of radiotherapy technology.
		E-Learning course on pathology	Provide a platform for guided practice and ongoing mentoring during the implementation phase of the standardised pathology laboratory good practices manual/guidelines in across all pathology departments in C/Can cities.
Palliative care fellowships	Improve capacity in organising palliative care, recent advances and challenges in palliative care and community participation	Training course on palliative care	Implement training on foundations, concepts, skills in organising and managing palliative care services and application of these in local situations.
Digitisation of case presentation to multidisciplinary teams	Improve early diagnosis of common childhood cancers and treatment completion	Digital platform for multidisciplinary teams (MDT) case presentation	Develop and operationalise a multidisciplinary teams case presentation platform for identified institutions and for the city.
Quality care coordination system	Creation and deployment of patient pathways and nurse navigators for breast and cervical cancer patients in Rwanda	Data governance and quality assurance frameworks	Data governance and quality assurance frameworks approved and integrated into JOIN platform's workflows for breast and cervical cancers.
		Recruitment and engagement of local project team	Recruit a project coordinator and nurse navigators to form a local project team to implement the quality care coordination system.
		Monitor users of the joint platform	Define a plan for ongoing monitoring of platform uptake and utilisation.
		Training course on use of JOIN platform and data literacy	Strengthen capacity of users on the Join platform and enhance data literacy.
		Lessons learned document	Document learnings for dissemination and scale-up.

