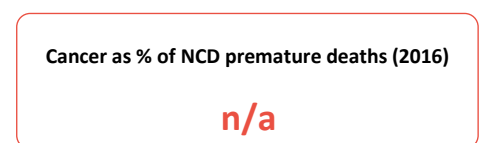
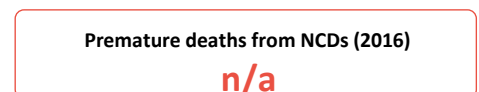
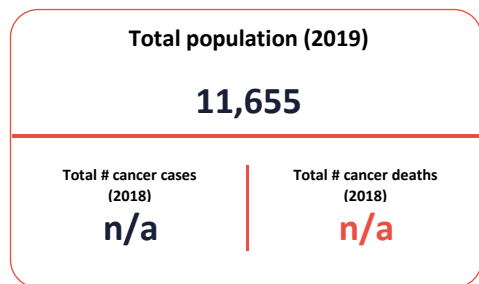
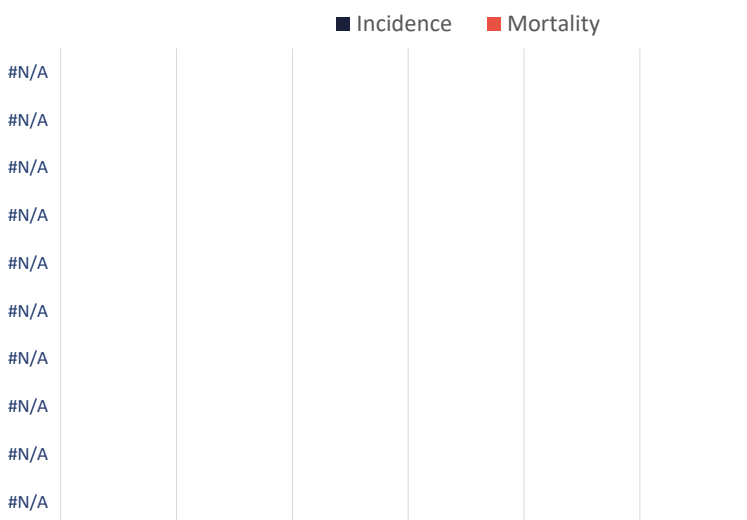


BURDEN OF CANCER



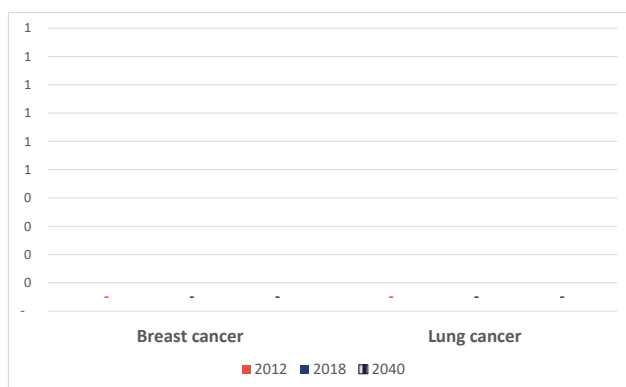
Most common cancer cases (2018)



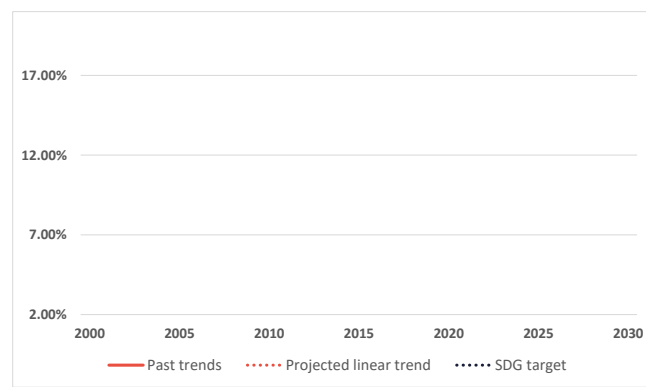
PAFs (population attributable fractions)	n/a	n/a	n/a	n/a	n/a	n/a
	Tobacco (2017)^a	Alcohol (2016)^a	Infections (2012)^b	Obesity (2012)^b	UV (2012)^c	Occupational risk (2017)^a
	<small>^a PAF, cancer deaths</small>	<small>^b PAF, cancer cases</small>	<small>^c PAF, melanoma cases</small>			

TRENDS

Estimated past and future trends in total cases per year (breast and lung)



Probability of premature death from cancer per year

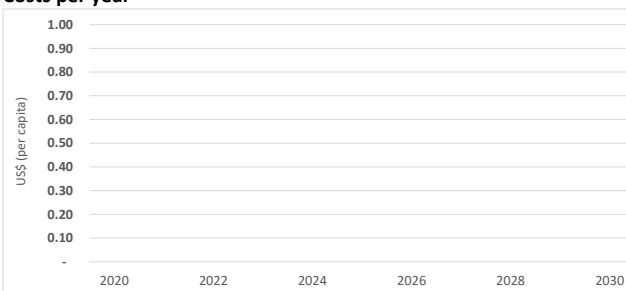


INVESTMENT CASE (2019)

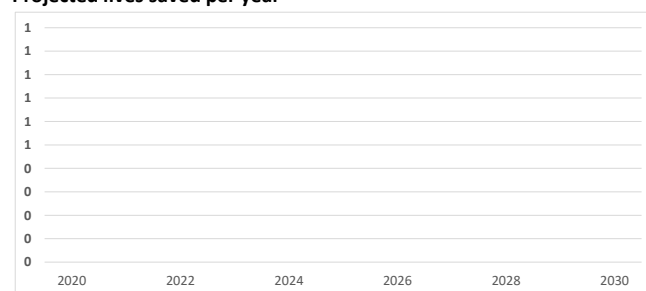
*Upper middle income

At this income level, investing in a package of essential services and scaling-up coverage will:

Costs per year



Projected lives saved per year



HEALTH SYSTEM CAPACITY

^a per 10,000 cancer patients

Availability of population-based cancer registry (PBCR)**	2019	No information
Quality of mortality registration***	2007-2016	No coverage
# of external beam radiotherapy (photon,electron) ^a	2019	n/a
# of mammographs ^a	2020	n/a
# of CT scanners ^a	2020	n/a
# of MRI scanners ^a	2020	n/a
# of PET or PET/CT scanners ^a	2020	n/a

WORKFORCE

^a per 10,000 cancer patients

Available staff in Ministry of Health who dedicates significant proportion of their time to cancer	2019	n/a
# of radiation oncologist ^a	2019	n/a
# of medical physicist ^a	2019	n/a
# of surgeons ^a	n/a	n/a
# of radiologist ^a	2019	n/a
# of nuclear medicine physician ^a	2019	n/a
# of medical & pathology lab scientists ^a	2014	n/a

FORMULATING RESPONSE

Integrated NCD plan	2019	operational	# Public cancer centres per 10,000 cancer patients	2019	n/a
NCCP (including cancer types)	2019	n/a	Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	0 cancer(s)
MPOWER measures fully implemented and achieved	2018	1	Pathology services	2019	generally available
Cancer management guidelines	2019	no	Bone marrow transplantation capacity	2019	generally not available
Palliative care included in their operational, integrated NCD plan	2019	no	Palliative care availability: community/home-based care	2019	generally not available
# of treatment services (surgery, radiotherapy, chemotherapy)	2019	0	Availability of opioids* for pain management	2015-2017	32
Breast cancer screening program	2019	no			
Breast cancer screening program: Starting age, target population	2019	n/a			

*Defined daily doses for statistical purposes (S-DDD) per million inhabitants per day

GLOBAL INITIATIVES

Elimination of Cervical Cancer			Global Initiative for Childhood Cancer		
HPV vaccination programme coverage	2018	n/a	Annual cancer cases (0-14 years old)	2020	n/a
Cervical cancer screening	2019	yes	Early detection programme/guidelines	2019	no
Screening programme type	2019	opportunistic	Defined referral system	2019	no
Screening programme method	2019	PAP smear	Annual cancer cases (0-14 years old)		
Screening participation rates	2019	10%-50%			
Early detection programme/guidelines	2019	no			
Defined referral system	2019	no			

- Acute lymphoid leukaemia
- Hodgkin lymphoma
- Burkitt lymphoma
- CNS, low grade tumours
- Retinoblastoma
- Wilms tumour
- Other childhood cancer

**The incidence estimates for this country have a high degree of uncertainty because they are not based on population based cancer registry

***The mortality estimates for this country have a high degree of uncertainty because they are not based on any national NCD mortality data