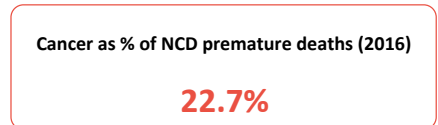
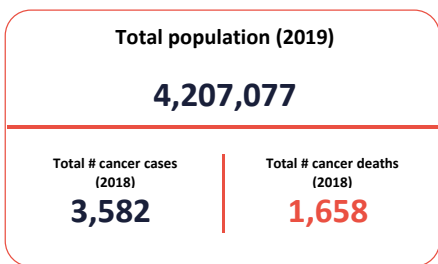
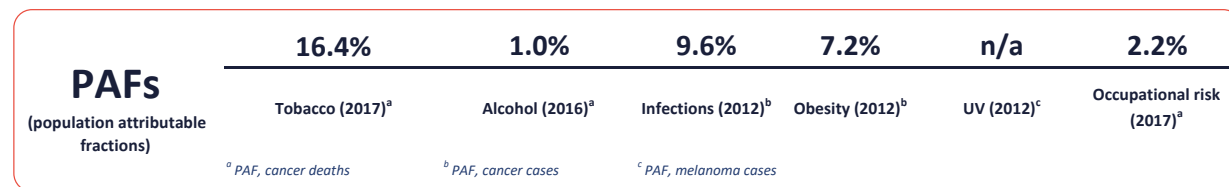
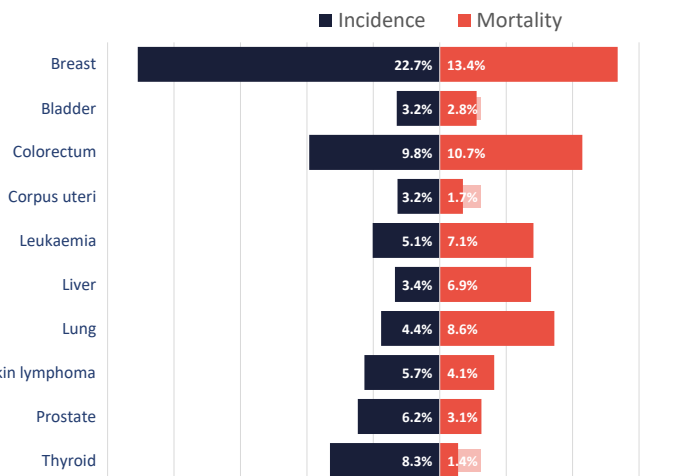


# KUWAIT

## BURDEN OF CANCER

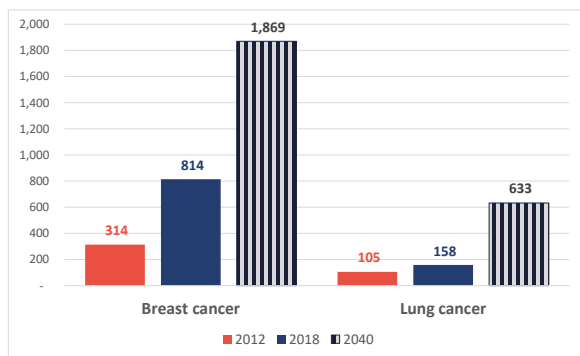


### Most common cancer cases (2018)

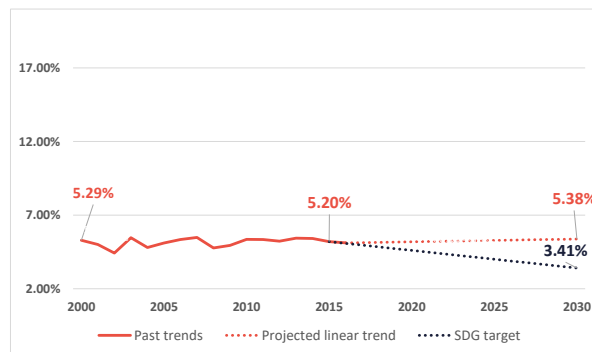


## TRENDS

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



Probability of premature death from cancer per year

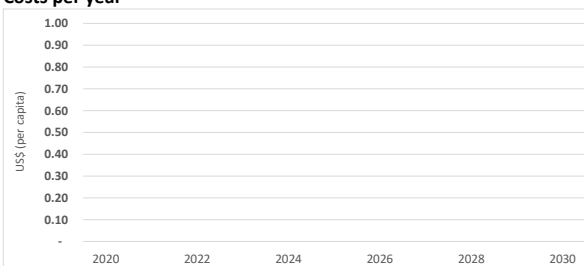


## INVESTMENT CASE (2019)

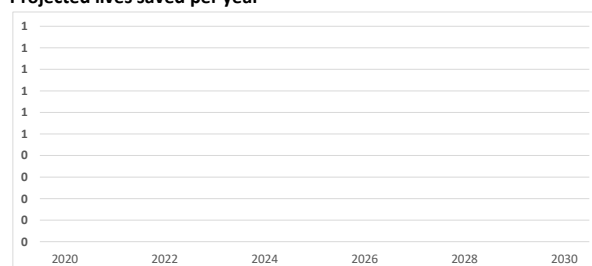
*\*High income*

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

<sup>a</sup> per 10,000 cancer patients

Availability of population-based cancer registry (PBCR)**	2019	High quality PBCR
Quality of mortality registration***	2007-2016	Low
# of external beam radiotherapy (photon,electron) <sup>a</sup>	2019	11.2
# of mammographs <sup>a</sup>	2020	n/a
# of CT scanners <sup>a</sup>	2020	273.6
# of MRI scanners <sup>a</sup>	2020	234.5
# of PET or PET/CT scanners <sup>a</sup>	2020	30.7

### WORKFORCE

<sup>a</sup> per 10,000 cancer patients

Available staff in Ministry of Health who dedicates significant proportion of their time to cancer	2019	yes
# of radiation oncologist <sup>a</sup>	2019	n/a
# of medical physicist <sup>a</sup>	2019	223.3
# of surgeons <sup>a</sup>	n/a	n/a
# of radiologist <sup>a</sup>	2019	558.3
# of nuclear medicine physician <sup>a</sup>	2019	139.6
# of medical & pathology lab scientists <sup>a</sup>	n/a	n/a

### FORMULATING RESPONSE

Integrated NCD plan	2019	operational	# Public cancer centres per 10,000 cancer patients	2019	11.2
NCCP (including cancer types)	2019	operational	Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	3 cancer(s)
MPOWER measures fully implemented and achieved	2018	2	Pathology services	2019	generally available
Cancer management guidelines	2019	yes	Bone marrow transplantation capacity	2019	generally not available
Palliative care included in their operational, integrated NCD plan	2019	yes	Palliative care availability: community/home-based care	2019	generally not available
# of treatment services (surgery, radiotherapy, chemotherapy)	2019	3	Availability of opioids* for pain management	2015-2017	328
Breast cancer screening program	2019	yes	<i>*Defined daily doses for statistical purposes (5-DDD) per million inhabitants per day</i>		
Breast cancer screening program: Starting age, target population	2019	40			

### GLOBAL INITIATIVES

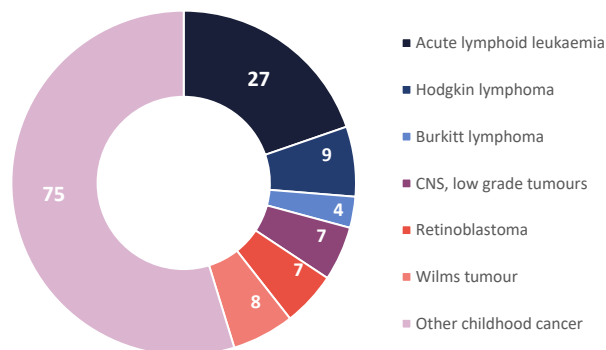
#### Elimination of Cervical Cancer

HPV vaccination programme coverage	2018	n/a
Cervical cancer screening	2019	no
Screening programme type	2019	n/a
Screening programme method	2019	n/a
Screening participation rates	2019	n/a
Early detection programme/guidelines	2019	yes
Defined referral system	2019	yes

#### Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	137
Early detection programme/guidelines	2019	no
Defined referral system	2019	yes

#### Annual cancer cases (0-14 years old)



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