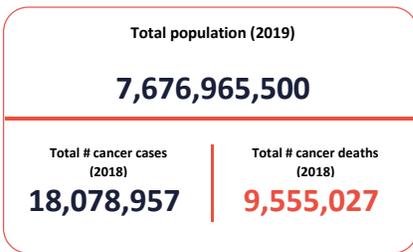
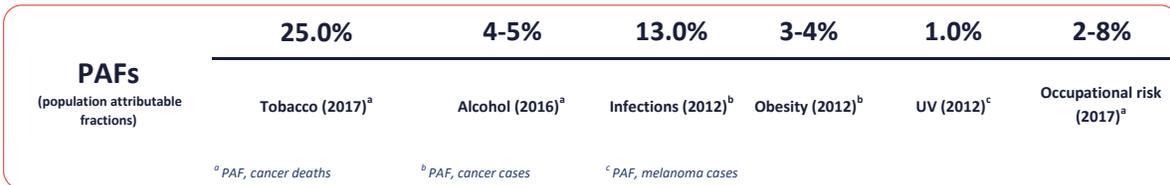
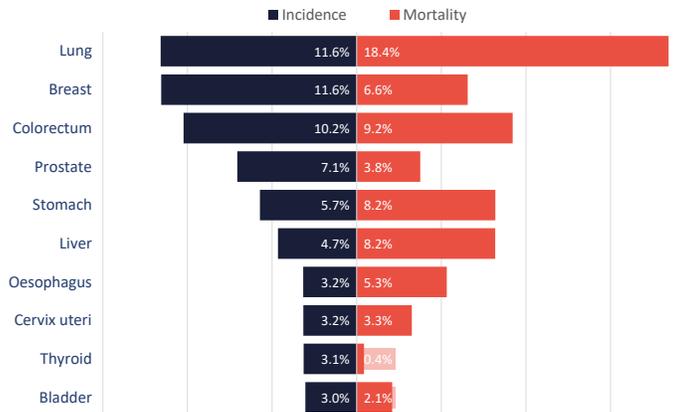


### BURDEN OF CANCER

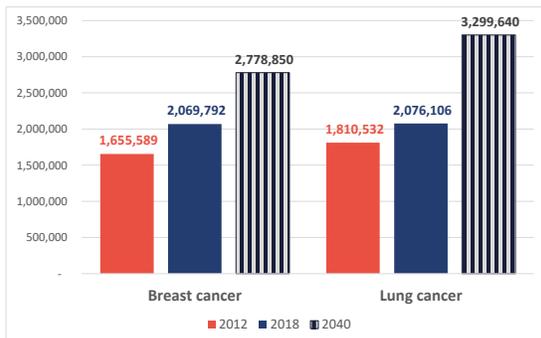


### Most common cancer cases (2018)

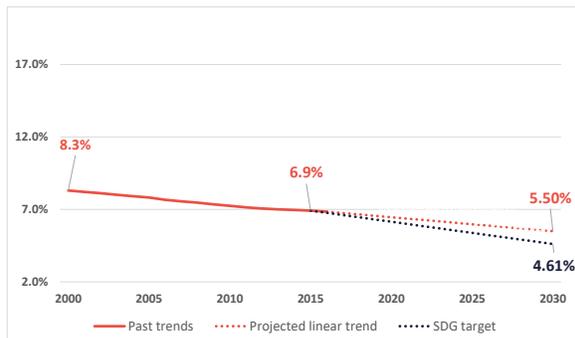


### TRENDS

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



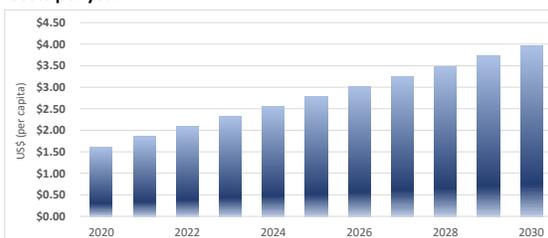
Probability of premature death from cancer per year



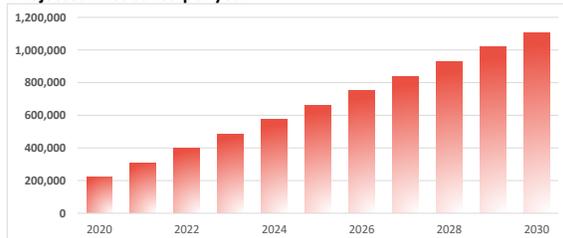
### INVESTMENT CASE (2019)

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	35% of countries have high-quality PBCR
Quality of mortality registration***	2007-2016	25% of countries have high quality coverage
# of external beam radiotherapy (photon,electron) <sup>a</sup>	2019	6.5 (median), 0-23.8 (range)
# of mammographs <sup>a</sup>	2020	24.5 (median), 0-429.5 (range)
# of CT scanners <sup>a</sup>	2020	30.3 (median), 0-422.8 (range)
# of MRI scanners <sup>a</sup>	2020	14.8 (median), 0-373.9 (range)
# of PET or PET/CT scanners <sup>a</sup>	2020	0.7 (median), 0-30.7 (range)

### 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	81% of countries have MoH staff with dedicated time for cancer
# of radiation oncologist <sup>a</sup>	2019	14 (median), 0-180 (range)
# of medical physicist <sup>a</sup>	2019	12 (median), 0-286 (range)
# of surgeons <sup>a</sup>	2019	319 (median), 11-2854 (range)
# of radiologist <sup>a</sup>	2019	128 (median), 0-1502 (range)
# of nuclear medicine physician <sup>a</sup>	2019	6 (median), 0-140 (range)
# of medical & pathology lab scientists <sup>a</sup>	2019	393 (median), 3-4000 (range)

### FORMULATING RESPONSE

Integrated NCD plan	2019	74% of countries have operational integrated NCD plans	# Public cancer centres per 10,000 cancer patients	2019	2 (median), 0-700 (range)
NCCP (including cancer types)	2019	56% of countries have operational cancer plan	Early detection programme/guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	16% of countries have all 4 cancer early detection programme/guidelines
MPOWER measures fully implemented and achieved	2018	1 (median), 0-5 (range)	Pathology services	2019	81% of countries have generally available pathology services
Cancer management guidelines	2019	70% of countries have cancer guideline	Bone marrow transplantation capacity	2019	31% of countries have generally available BMT
Palliative care plan	2019	48% of countries have operational NCD integrated plan that includes palliative care	Palliative care availability: community/home-based care	2019	40% of countries have generally available palliative care
# of treatment services (surgery, radiotherapy, chemotherapy)	2019	60% of the countries, worldwide, have generally available treatment capacity	Availability of opioids* for pain management	2015-2017	69 (median), 0-32,394 (range)
Breast cancer screening program	2019	62% of countries have breast cancer screening programme			
Breast cancer screening program: Starting age, target population	2019	43% of countries adhere to best practice			

\*Defined daily doses for statistical purposes (5-DDD) per million inhabitants per day

### GLOBAL INITIATIVES

<b>Elimination of Cervical Cancer</b>		
HPV vaccination programme coverage	2018	23% of countries have ≥ 50% coverage; 3% have ≥ 90% coverage
Cervical cancer screening	2019	65% of countries have cervical cancer screening programme
Screening programme type	2019	40% of countries have organized, population-based programme
Screening programme method	2019	7% of countries use HPV test as their screening programme method
Screening participation rates	2019	12% of countries have >70% coverage
Early detection programme/guidelines	2019	62% of countries have early detection programme/guidelines
Defined referral system	2019	69% of countries have defined referral system

### Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	262,281
Early detection programme/guidelines	2019	20% of countries have early detection programme/guidelines
Defined referral system	2019	33% of countries have childhood cancer defined referral system

Annual cancer cases (0-14 years old)

