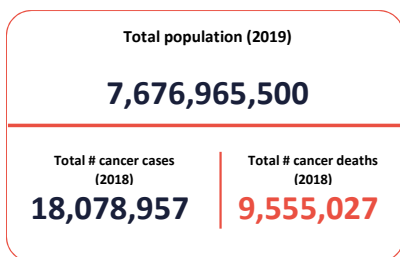
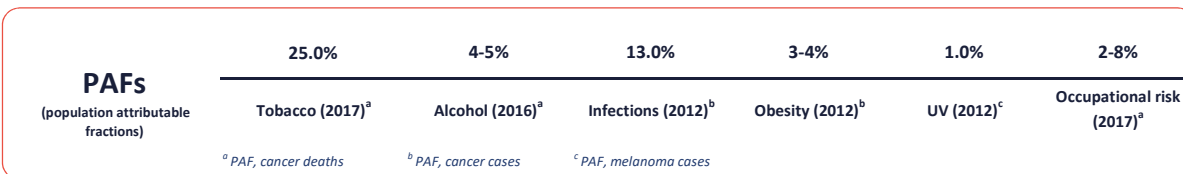
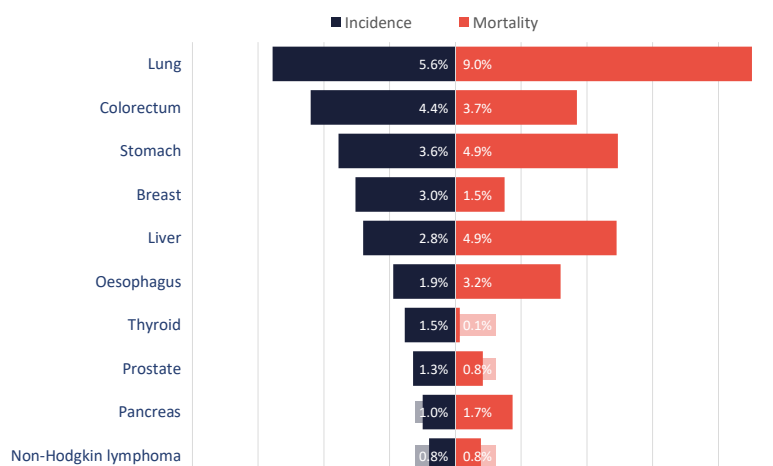


BURDEN OF CANCER

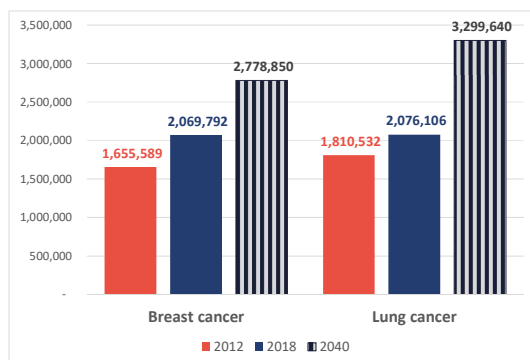


Most common cancer cases (2018)

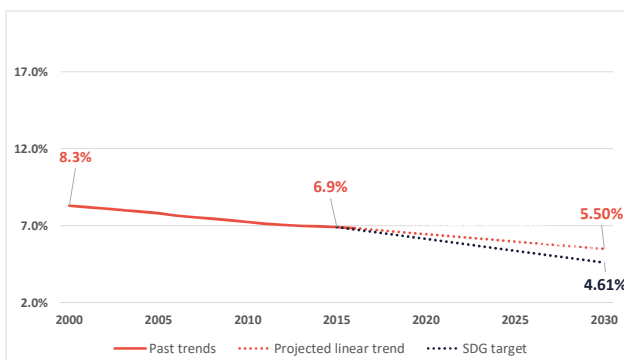


TRENDS

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



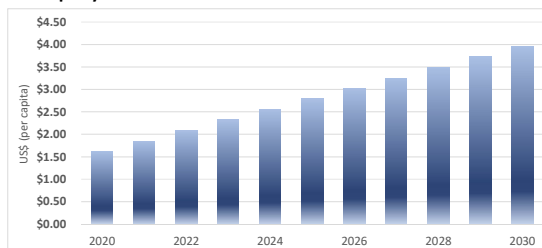
Probability of premature death from cancer per year



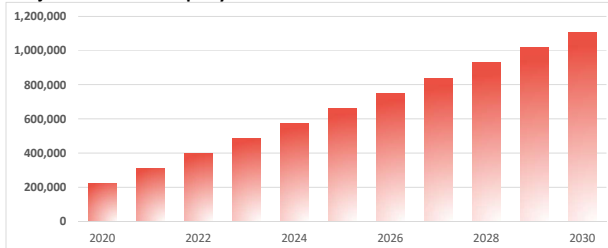
INVESTMENT CASE (2019)

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

^a 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) ^a	2019	6.5 (median), 0-23.8 (range)
# of mammographs ^a	2020	24.5 (median), 0-429.5 (range)
# of CT scanners ^a	2020	30.3 (median), 0-422.8 (range)
# of MRI scanners ^a	2020	14.8 (median), 0-373.9 (range)
# of PET or PET/CT scanners ^a	2020	0.7 (median), 0-30.7 (range)

WORKFORCE

^a 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 ^a	2019	14 (median), 0-180 (range)
# of medical physicist ^a	2019	12 (median), 0-286 (range)
# of surgeons ^a	2019	319 (median), 11-2854 (range)
# of radiologist ^a	2019	128 (median), 0-1502 (range)
# of nuclear medicine physician ^a	2019	6 (median), 0-140 (range)
# of medical & pathology lab scientists ^a	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	50% 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 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 (S-DDD) per million inhabitants per day

GLOBAL INITIATIVES

Elimination of Cervical Cancer

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 defined referral system

Annual cancer cases (0-14 years old)

