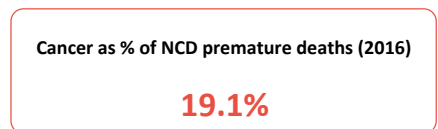
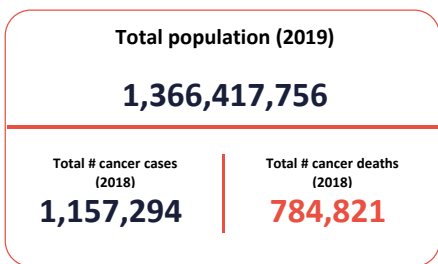
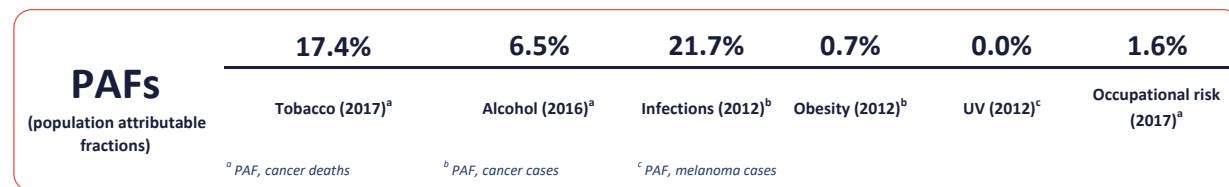
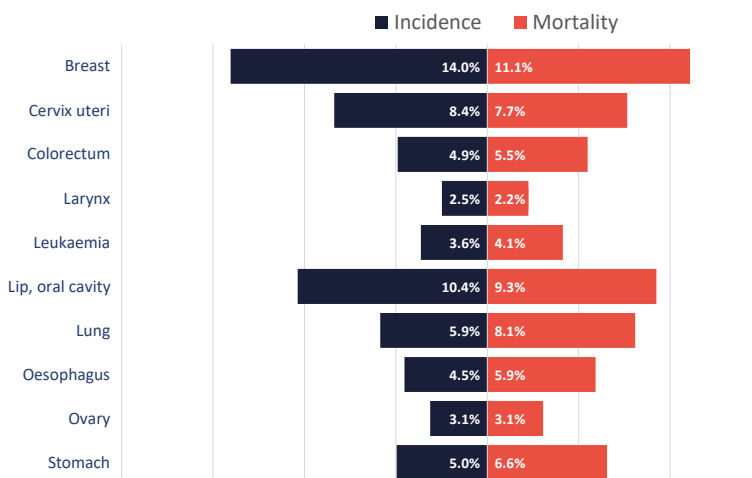


# INDIA

## BURDEN OF CANCER

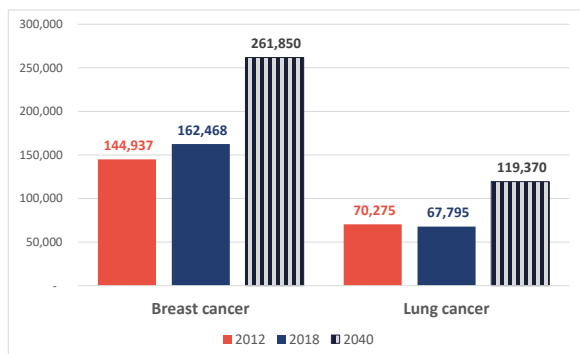


### Most common cancer cases (2018)

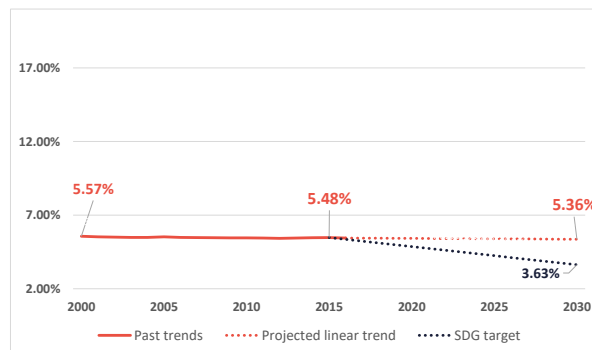


## TRENDS

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



Probability of premature death from cancer per year

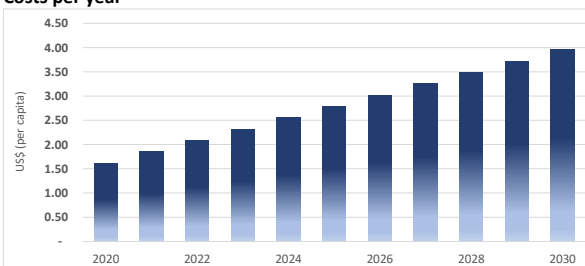


## INVESTMENT CASE (2019)

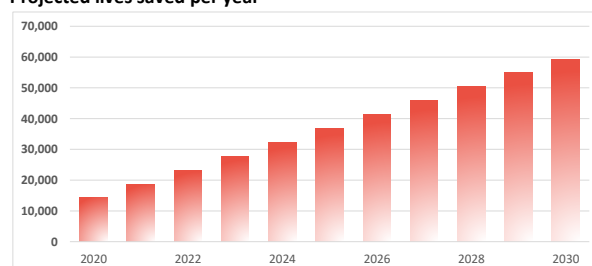
*\*Lower middle income*

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

Costs per year



Projected lives saved per year



# INDIA

## Cancer Country Profile 2020

### 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	Very low
# of external beam radiotherapy (photon,electron) <sup>a</sup>	2019	5.4
# of mammographs <sup>a</sup>	2020	23.3
# of CT scanners <sup>a</sup>	2020	73.4
# of MRI scanners <sup>a</sup>	2020	17.5
# of PET or PET/CT scanners <sup>a</sup>	2020	2.3

### 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	3.1
# of medical physicist <sup>a</sup>	2019	15.6
# of surgeons <sup>a</sup>	2009	272.7
# of radiologist <sup>a</sup>	2019	345.6
# of nuclear medicine physician <sup>a</sup>	2019	3.5
# 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	2.6
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	19
Breast cancer screening program	2019	yes			
Breast cancer screening program: Starting age, target population	2019	30			

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

### GLOBAL INITIATIVES

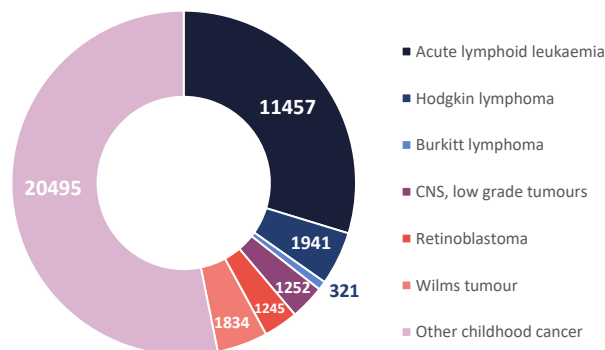
#### Elimination of Cervical Cancer

HPV vaccination programme coverage	2018	n/a
Cervical cancer screening	2019	yes
Screening programme type	2019	organised
Screening programme method	2019	visual inspection
Screening participation rates	2019	70% or more
Early detection programme/guidelines	2019	yes
Defined referral system	2019	yes

#### Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	38545
Early detection programme/guidelines	2019	yes
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