TUNISIA

Cancer Country Profile 2020

BURDEN OF CANCER

Total population (2019)

11,694,721

Total # cancer cases (2018)	Total # cancer deaths (2018)
15,894	10,092

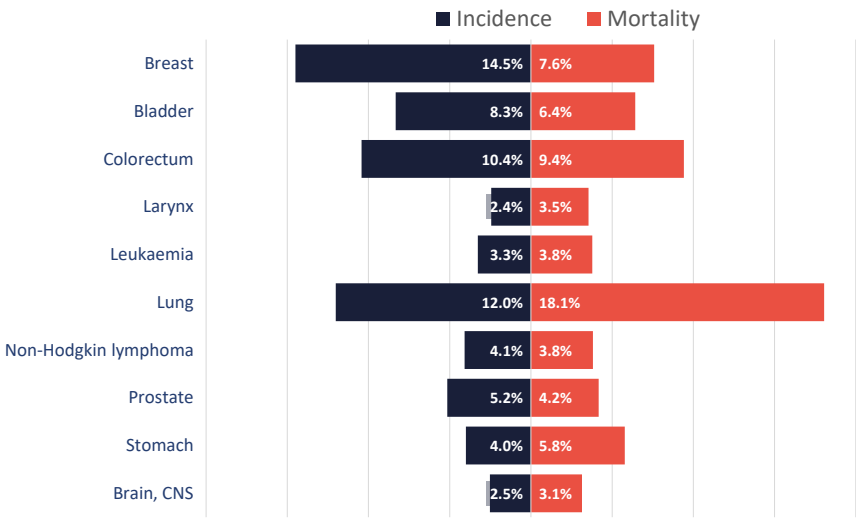
Premature deaths from NCDs (2016)

20,010

Cancer as % of NCD premature deaths (2016)

24.0%

Most common cancer cases (2018)



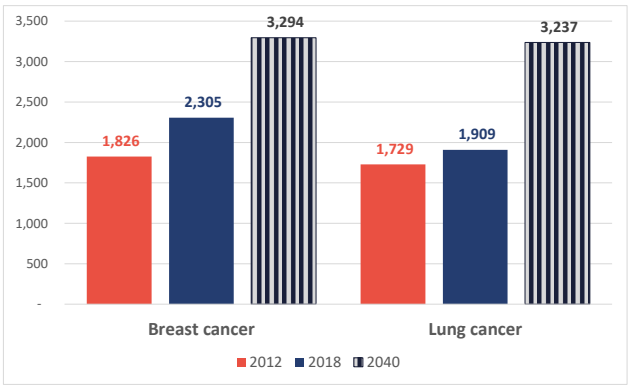
PAFs (population attributable fractions)

Tobacco (2017)[a]	Alcohol (2016)[a]	Infections (2012)[b]	Obesity (2012)[b]	UV (2012)[c]	Occupational risk (2017)[a]
29.7%	1.4%	10.7%	4.4%	6.2%	2.7%

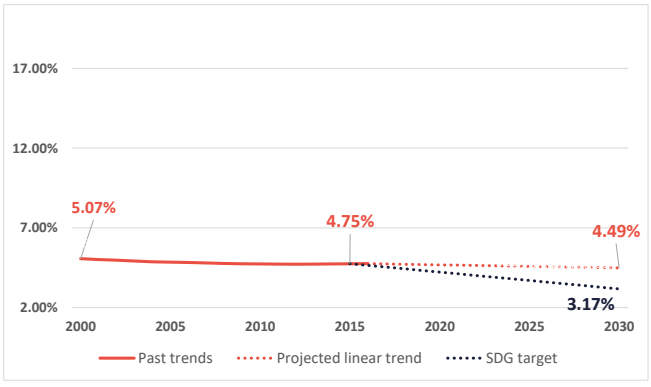
[a] *PAF, cancer deaths* [b] *PAF, cancer cases* [c] *PAF, melanoma cases*

TRENDS

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



Probability of premature death from cancer per year

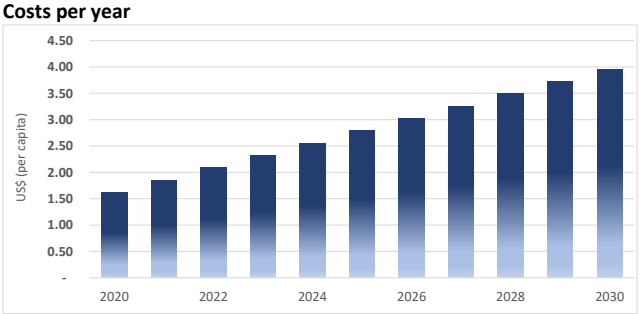


INVESTMENT CASE (2019)

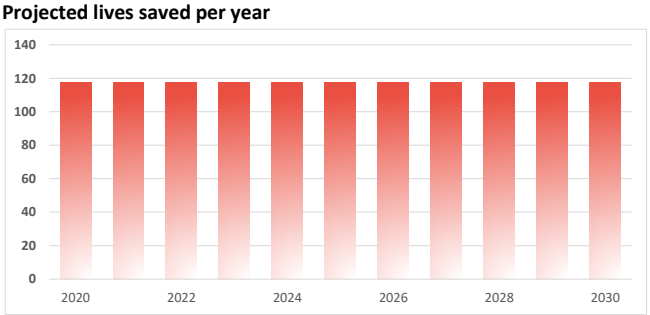
**Lower middle income*

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

Costs per year



Projected lives saved per year



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HEALTH SYSTEM CAPACITY

[a] *per 10,000 cancer patients*

Availability of population-based cancer registry (PBCR)**	2019	PBCR
Quality of mortality registration***	2007-2016	Very low
# of external beam radiotherapy (photon,electron)[a]	2019	14.5
# of mammographs[a]	2020	141.6
# of CT scanners[a]	2020	91.9
# of MRI scanners[a]	2020	31.5
# of PET or PET/CT scanners[a]	2020	1.9

WORKFORCE

[a] *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[a]	2019	n/a
# of medical physicist[a]	2019	18.9
# of surgeons[a]	2014	205.7
# of radiologist[a]	2019	503.3
# of nuclear medicine physician[a]	2019	37.8
# of medical & pathology lab scientists[a]	2004	225.2

FORMULATING RESPONSE

Integrated NCD plan	2019	operational
NCCP (including cancer types)	2019	operational
MPOWER measures fully implemented and achieved	2018	0
Cancer management guidelines	2019	yes
Palliative care included in their operational, integrated NCD plan	2019	yes
# of treatment services (surgery, radiotherapy, chemotherapy)	2019	3
Breast cancer screening program	2019	yes
Breast cancer screening program: Starting age, target population	2019	35

# Public cancer centres per 10,000 cancer patients	2019	6.3
Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	4 cancer(s)
Pathology services	2019	generally available
Bone marrow transplantation capacity	2019	generally available
Palliative care availability: community/home-based care	2019	generally not available
Availability of opioids* for pain management	2015-2017	170

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

GLOBAL INITIATIVES

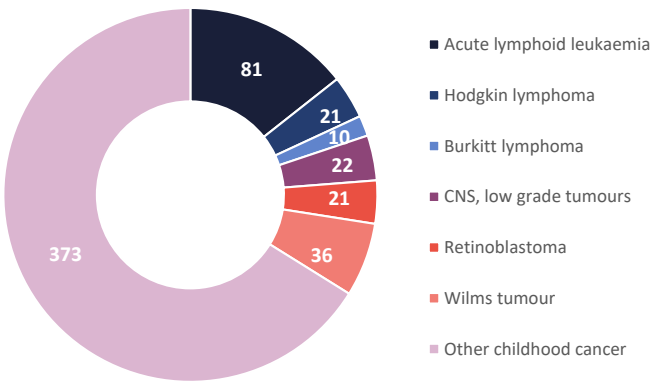
Elimination of Cervical Cancer

HPV vaccination programme coverage	2018	n/a
Cervical cancer screening	2019	yes
Screening programme type	2019	organised
Screening programme method	2019	PAP smear
Screening participation rates	2019	10%-50%
Early detection programme/guidelines	2019	yes
Defined referral system	2019	yes

Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	564
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