CZECH REPUBLIC

Cancer Country Profile 2020

BURDEN OF CANCER

Total population (2019)

10,689,213

Total # cancer cases (2018)	Total # cancer deaths (2018)
65,456	26,980

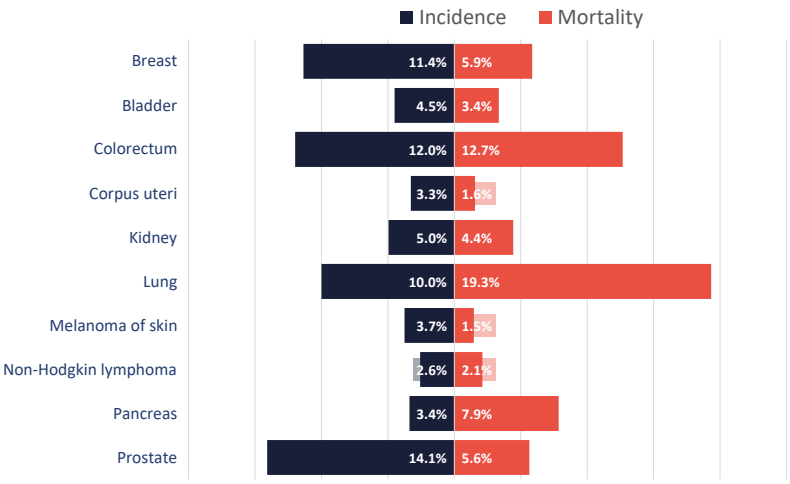
Premature deaths from NCDs (2016)

27,115

Cancer as % of NCD premature deaths (2016)

43.3%

Most common cancer cases (2018)



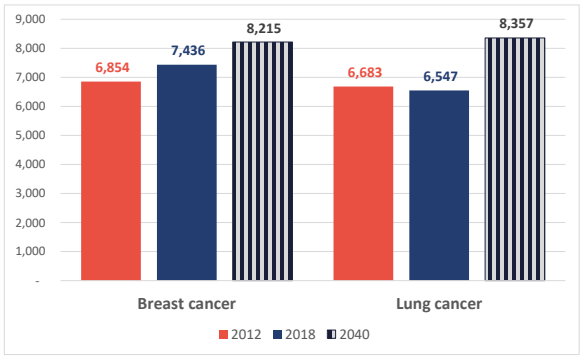
PAFs (population attributable fractions)

Tobacco (2017)[a]	Alcohol (2016)[a]	Infections (2012)[b]	Obesity (2012)[b]	UV (2012)[c]	Occupational risk (2017)[a]
29.8%	9.1%	6.1%	8.5%	88.7%	2.6%

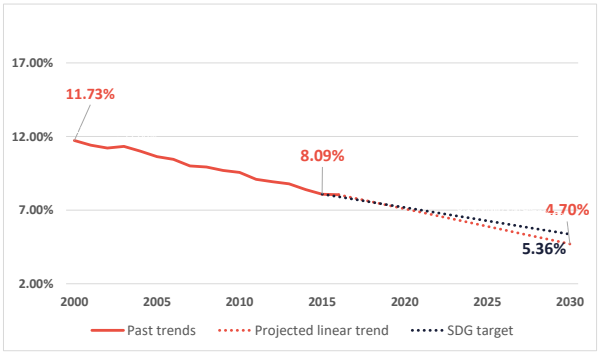
[a] *PAF, cancer deaths* [b] *PAF, cancer cases* [c] *PAF, melanoma cases*

TRENDS

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



Probability of premature death from cancer per year

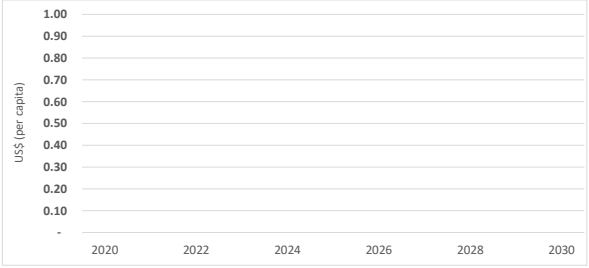


INVESTMENT CASE (2019)

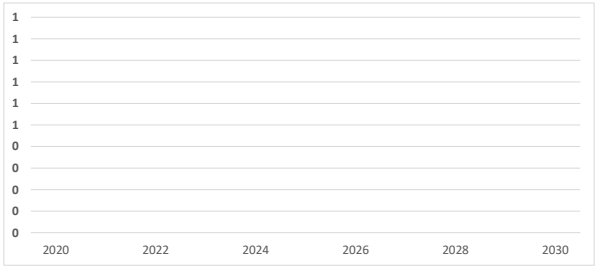
**High income*

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

Costs per year



Projected lives saved per year



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HEALTH SYSTEM CAPACITY

[a] per 10,000 cancer patients

Availability of population-based cancer registry (PBCR)**	2019	High quality PBCR
Quality of mortality registration***	2007-2016	High
# of external beam radiotherapy (photon,electron)[a]	2019	9.3
# of mammographs[a]	2020	18.8
# of CT scanners[a]	2020	33.5
# of MRI scanners[a]	2020	17.0
# of PET or PET/CT scanners[a]	2020	2.4

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	39.1
# of medical physicist[a]	2019	22.5
# of surgeons[a]	2013	1289.6
# of radiologist[a]	2019	229.2
# of nuclear medicine physician[a]	2019	19.2
# of medical & pathology lab scientists[a]	n/a	n/a

FORMULATING RESPONSE

Integrated NCD plan	2019	operational
NCCP (including cancer types)	2019	operational
MPOWER measures fully implemented and achieved	2018	3
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	45

# Public cancer centres per 10,000 cancer patients	2019	9.3
Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	3 cancer(s)
Pathology services	2019	generally available
Bone marrow transplantation capacity	2019	generally available
Palliative care availability: community/home-based care	2019	generally available
Availability of opioids* for pain management	2015-2017	5005

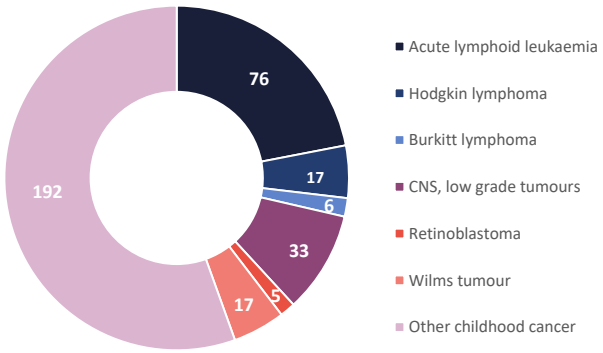
Defined daily doses for statistical purposes (S-DDD) per million inhabitants per day

GLOBAL INITIATIVES

Elimination of Cervical Cancer

HPV vaccination programme coverage	2018	0
Cervical cancer screening	2019	yes
Screening programme type	2019	organised
Screening programme method	2019	PAP smear
Screening participation rates	2019	>50% and <70%
Early detection programme/guidelines	2019	yes
Defined referral system	2019	yes

Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	346
Early detection programme/guidelines	2019	no
Defined referral system	2019	no

Annual cancer cases (0-14 years old)