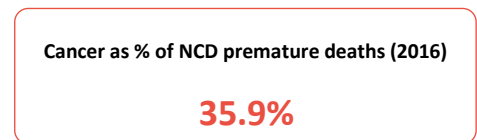# SOUTH SUDAN

BURDEN OF CANCER

Total population (2019)

11,062,114

Total # cancer cases (2018)	Total # cancer deaths (2018)
9,398	**7,309**

Premature deaths from NCDs (2016)
14,463

Cancer as % of NCD premature deaths (2016)
35.9%
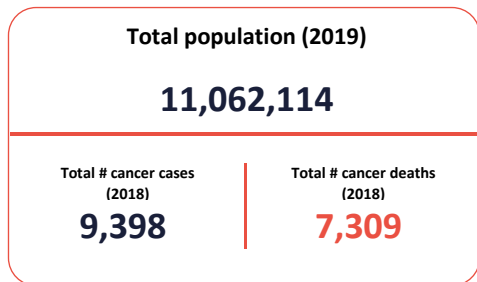
Most common cancer cases (2018)

Legend: ■ Incidence ■ Mortality

Cancer	Incidence	Mortality
Breast	15.0%	11.0%
Cervix uteri	11.7%	12.1%
Colorectum	5.4%	5.7%
Kaposi sarcoma	4.2%	3.7%
Leukaemia	4.1%	5.0%
Liver	4.2%	5.6%
Non-Hodgkin lymphoma	4.6%	4.8%
Oesophagus	5.6%	7.0%
Prostate	7.6%	6.6%
Stomach	3.0%	3.9%

PAFs (population attributable fractions)

Tobacco (2017)[a]	Alcohol (2016)[a]	Infections (2012)[b]	Obesity (2012)[b]	UV (2012)[c]	Occupational risk (2017)[a]
8.4%	**5.4%**	**28.9%**	**1.1%**	**27.6%**	**0.6%**

[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)

Breast cancer: 2012 = 1,114; 2018 = 1,407; 2040 = 2,789
Lung cancer: 2012 = 132; 2018 = 196; 2040 = 395

Legend: ■ 2012 ■ 2018 ▥ 2040
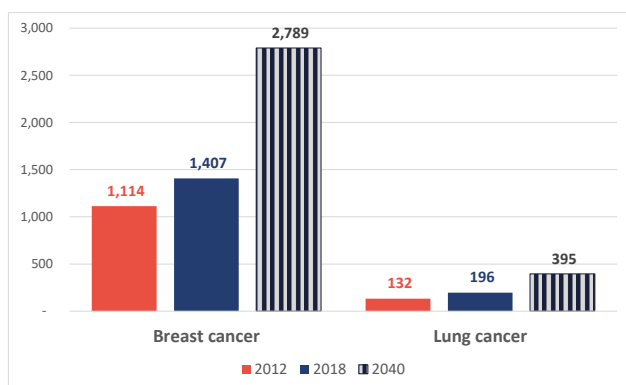
Probability of premature death from cancer per year

9.34% (2000); 9.55% (2015); 10.13% (2030 projected linear trend); 6.53% (2030 SDG target)

Legend: — Past trends ···· Projected linear trend ···· SDG target
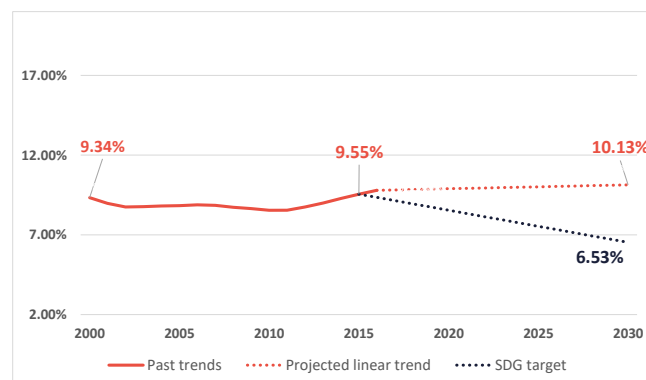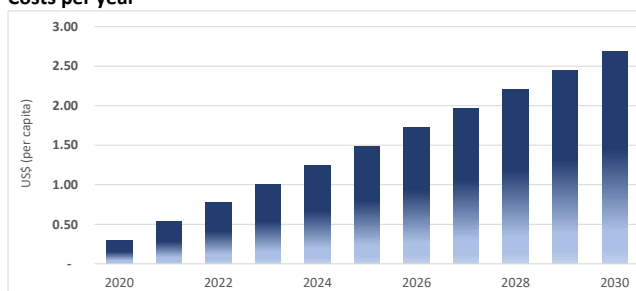
INVESTMENT CASE (2019)
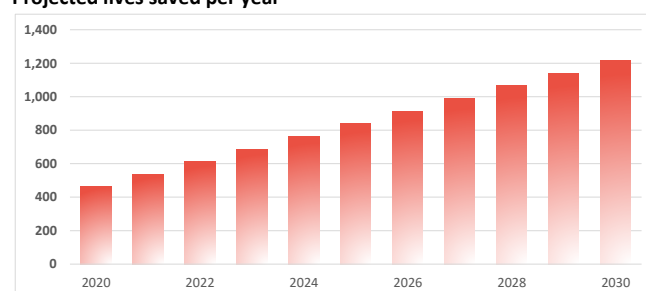
Low income

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

Costs per year

US$ (per capita), 2020–2030

Projected lives saved per year

2020–2030

SOUTH SUDAN

HEALTH SYSTEM CAPACITY

a per 10,000 cancer patients

Availability of population-based cancer registry (PBCR)**	2019	No information
Quality of mortality registration***	2007-2016	No coverage
# of external beam radiotherapy (photon,electron)a	2019	0.0
# of mammographsa	2020	n/a
# of CT scannersa	2020	n/a
# of MRI scannersa	2020	n/a
# of PET or PET/CT scannersa	2020	0.0

WORKFORCE

a per 10,000 cancer patients

Available staff in Ministry of Health who dedicates significant proportion of their time to cancer	2019	no
# of radiation oncologista	2019	n/a
# of medical physicista	2019	n/a
# of surgeonsa	2013	16.0
# of radiologista	2019	n/a
# of nuclear medicine physiciana	2019	n/a
# of medical & pathology lab scientistsa	n/a	n/a

FORMULATING RESPONSE

Integrated NCD plan	2019	under development
NCCP (including cancer types)	2019	n/a
MPOWER measures fully implemented and achieved	2018	0
Cancer management guidelines	2019	no
Palliative care included in their operational, integrated NCD plan	2019	no
# of treatment services (surgery, radiotherapy, chemotherapy)	2019	0
Breast cancer screening program	2019	no
Breast cancer screening program: Starting age, target population	2019	n/a

# Public cancer centres per 10,000 cancer patients	2019	-
Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood)	2019	0 cancer(s)
Pathology services	2019	generally not available
Bone marrow transplantation capacity	2019	generally not available
Palliative care availability: community/home-based care	2019	generally not available
Availability of opioids* for pain management	2015-2017	0

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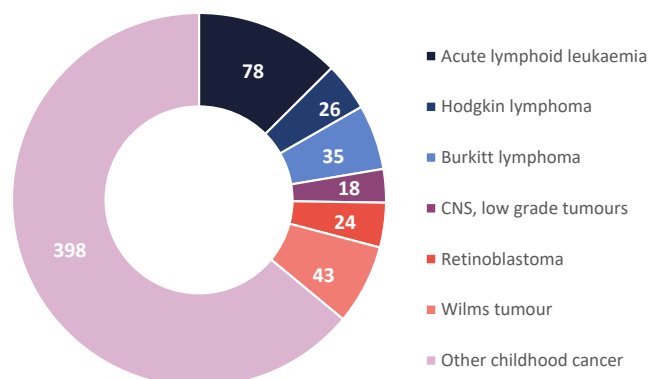
GLOBAL INITIATIVES

Elimination of Cervical Cancer

HPV vaccination programme coverage	2018	n/a
Cervical cancer screening	2019	no
Screening programme type	2019	n/a
Screening programme method	2019	n/a
Screening participation rates	2019	n/a
Early detection programme/guidelines	2019	no
Defined referral system	2019	no

Global Initiative for Childhood Cancer

Annual cancer cases (0-14 years old)	2020	622
Early detection programme/guidelines	2019	no
Defined referral system	2019	no

Annual cancer cases (0-14 years old)

- Acute lymphoid leukaemia
- Hodgkin lymphoma
- Burkitt lymphoma
- CNS, low grade tumours
- Retinoblastoma
- Wilms tumour
- Other childhood cancer

**The incidence estimates for this country have a high degree of uncertainty because they are not based on population based cancer registry
***The mortality estimates for this country have a high degree of uncertainty because they are not based on any national NCD mortality data