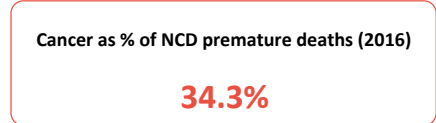
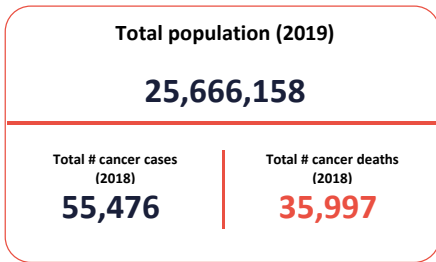
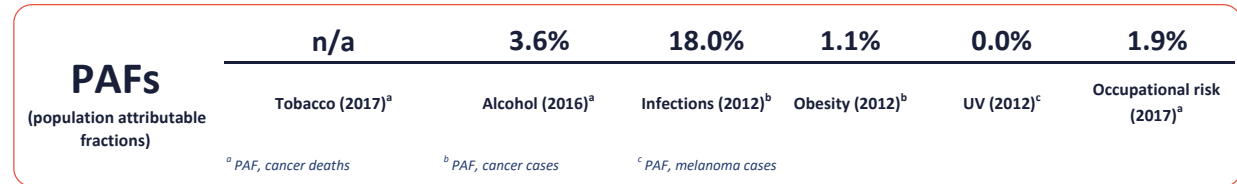
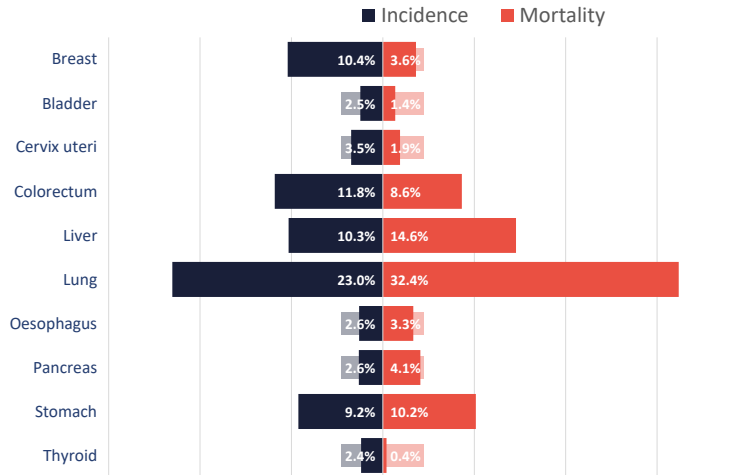


DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

BURDEN OF CANCER

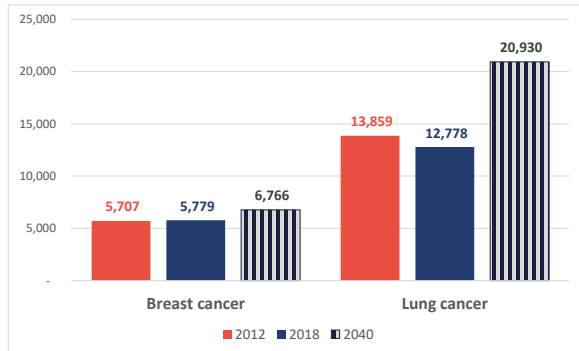


Most common cancer cases (2018)

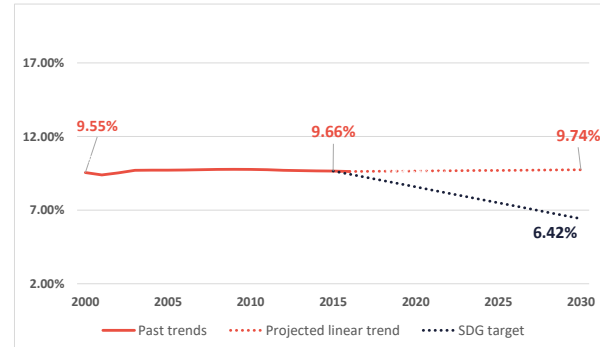


TRENDS

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



Probability of premature death from cancer per year

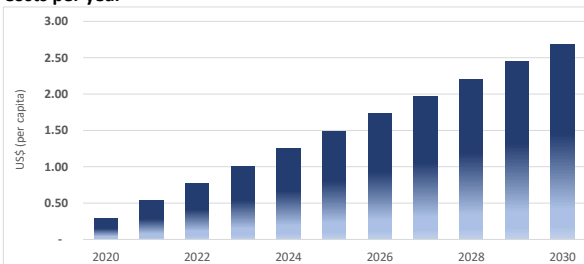


INVESTMENT CASE (2019)

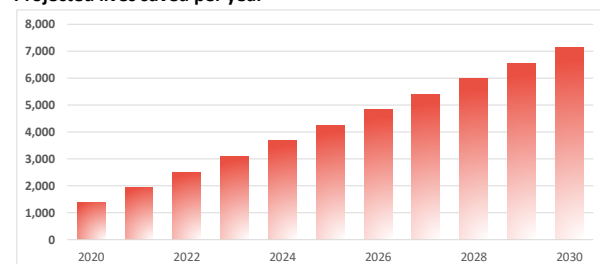
**Low income*

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

Costs per year



Projected lives saved per year



DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

HEALTH SYSTEM CAPACITY

^a per 10,000 cancer patients

| Availability of population-based cancer registry (PBCR)** | 2019 | Registration activity |
|--|-----------|-----------------------|
| Quality of mortality registration*** | 2007-2016 | No coverage |
| # of external beam radiotherapy (photon,electron) ^a | 2019 | 0.5 |
| # of mammographs ^a | 2020 | n/a |
| # of CT scanners ^a | 2020 | n/a |
| # of MRI scanners ^a | 2020 | n/a |
| # of PET or PET/CT scanners ^a | 2020 | n/a |

WORKFORCE

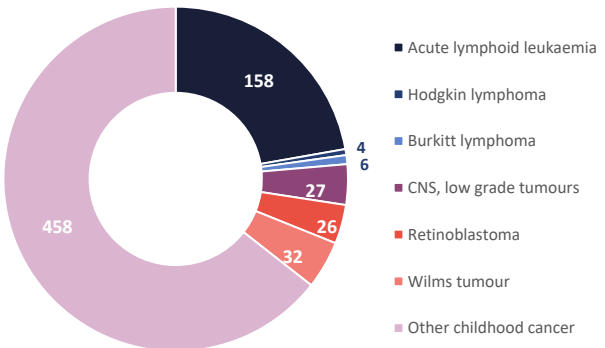
^a per 10,000 cancer patients

| 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 | n/a |
| # of surgeons ^a | n/a | n/a |
| # of radiologist ^a | 2019 | n/a |
| # of nuclear medicine physician ^a | 2019 | n/a |
| # of medical & pathology lab scientists ^a | n/a | n/a |

FORMULATING RESPONSE

| | | | | | |
|--|------|-------------|--|-----------|-------------------------|
| Integrated NCD plan | 2019 | operational | # Public cancer centres per 10,000 cancer patients | 2019 | 4.5 |
| NCCP (including cancer types) | 2019 | n/a | Early detection programme/ guidelines for 4 cancers (breast, cervix, colon, childhood) | 2019 | 3 cancer(s) |
| MPOWER measures fully implemented and achieved | 2018 | 0 | 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 | no | Palliative care availability: community/home-based care | 2019 | generally available |
| # of treatment services (surgery, radiotherapy, chemotherapy) | 2019 | 3 | Availability of opioids* for pain management | 2015-2017 | 18 |
| Breast cancer screening program | 2019 | yes | <i>*Defined daily doses for statistical purposes (5-DDD) per million inhabitants per day</i> | | |
| Breast cancer screening program: Starting age, target population | 2019 | 35 | | | |

GLOBAL INITIATIVES

| Elimination of Cervical Cancer | | | Global Initiative for Childhood Cancer | | |
|--------------------------------------|------|-------------------|--|------|-----|
| HPV vaccination programme coverage | 2018 | n/a | Annual cancer cases (0-14 years old) | 2020 | 711 |
| Cervical cancer screening | 2019 | yes | Early detection programme/guidelines | 2019 | no |
| Screening programme type | 2019 | organised | Defined referral system | 2019 | |
| Screening programme method | 2019 | visual inspection | Annual cancer cases (0-14 years old) | | |
| Screening participation rates | 2019 | 70% or more |  | | |
| Early detection programme/guidelines | 2019 | yes | | | |
| Defined referral system | 2019 | yes | | | |
| | | | | | |

**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