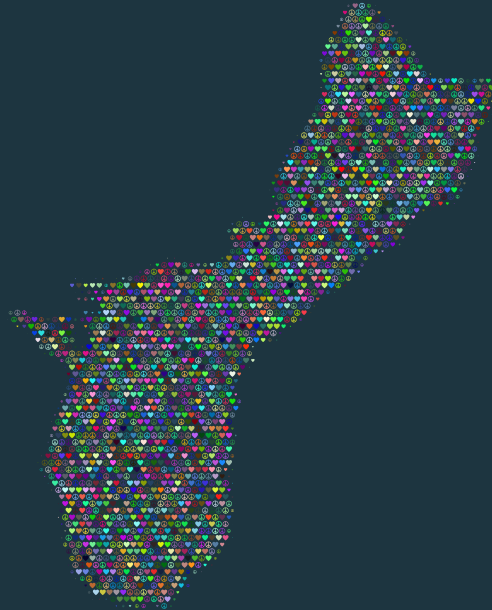


GUAM CANCER FACTS AND FIGURES



2020 UPDATES



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This publication is based on Guam cancer data from the GCR.

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CANCER IN GUAM: AN OVERVIEW

- Each year, an average of 381 Guam residents are diagnosed with invasive cancer.
- During the period 2015-2020, Guam average annual incidence rate for all cancers combined was 288.6 per 100,000 in males and 266.1 per 100,000 in females.
- On average, 161 Guam residents die of cancer each year.
- During the period 2015-2020, the average annual mortality (death) rate for all cancers combined was 149.2 per 100,000 in males and 100 per 100,000 in females.
- The most common cancer in men is prostate cancer, which accounts for 21% of cases, followed by cancers of the lung & bronchus (20%), colorectal (14%), and liver (6%).
- Breast cancer is the most common cancer among women, comprising 34% of cases, followed by cancers of the lung & bronchus (11%), and colorectal (10%).
- The leading cause of cancer death in men is lung & bronchus cancer, which accounts for 31% of cancer deaths, followed by cancers of the colon & rectum (13%), liver (12%), and prostate (8%).
- Lung & bronchus cancer is also the top cause of cancer death in women (23%) followed by breast (17%), colorectal (12%) cancers.

CANCER AND AGE

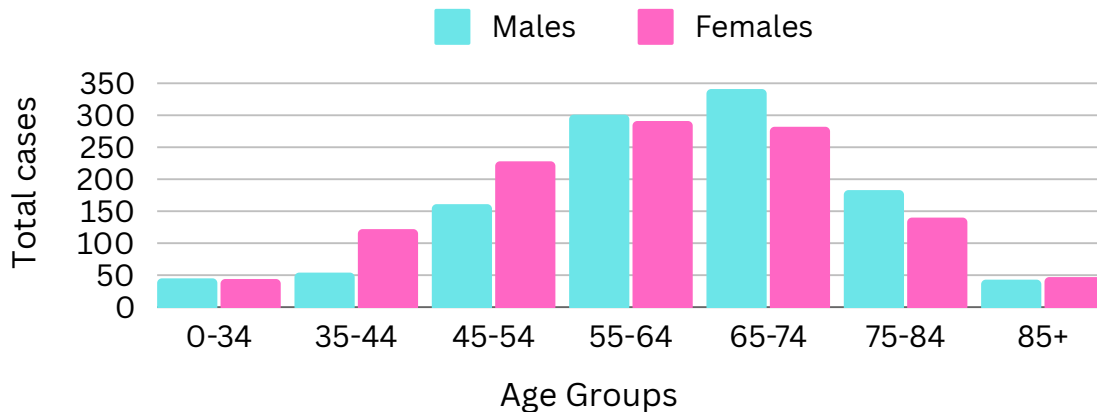


Figure 1. All cancer Cases by Age at Diagnosis 2015-2020

A person's risk of developing cancer increases with age. About 43% of new cases were diagnosed in persons aged 65 and older in Guam.

TOP CANCERS IN GUAM

Cancer Sites	Number of Cases	Percent of Total cases		Cancer Sites	Number of Deaths	Percent of Total Deaths
Breast	210	17.6	1	Lung & Bronchus	137	30.3
Lung & Bronchus	197	16.5	2	Prostate	50	11.1
Prostate	121	10.1	3	Liver	47	10.4
Colorectal	99	8.9	4	Breast	25	5.5
Liver	52	4.4	5	Colorectal	21	4.6
Other Cancer Sites	514	42.5		Other Cancer Sites	172	38.1
All New Cancer Cases	1193	100.0		All Cancer Deaths	452	100.0

Table 1. Top Cancers in Guam, New Diagnosed Cases and Deaths, 2018-2020

The five most common cancers for new cancer cases are breast, lung and bronchus, prostate, colorectal, and liver. These cancer sites account for 57% of all new cancer cases (Table 1). The majority of cancer deaths are from lung and bronchus, prostate, and liver, as these sites account for about 51% of all cancer deaths (Table 1). Colorectal sites indicate cancers in the colon, rectum, and/or anus.

NEW CANCER CASES

Cancer Sites	2015-2017		2018-2020	
	Counts	Percent	Counts	Percent
Lung & Bronchus	107	29.0	100	37.3
Colorectal	59	16.0	34	12.7
Liver	39	10.6	25	9.3
Breast	27	7.3	17	6.3
Prostate	13	3.5	12	4.5
All Cancers	369	100.0	268	100.0

Table 2. Selected Cancers in Guam, Newly Diagnosed Cancer Cases, 2015-2017 and 2018-2020

Although the incidence for all sites decreased in 2018-2020 compared to 2015-2017, the relative contribution of lung and bronchus and prostate cancer to overall cancer incidence increased in 2018-2020 compared to 2015-2017. The relative contribution of colorectal, liver, and breast cancer decreased for the same time periods.

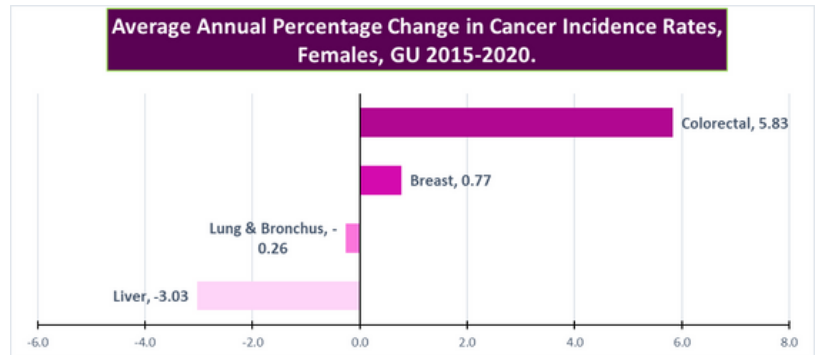
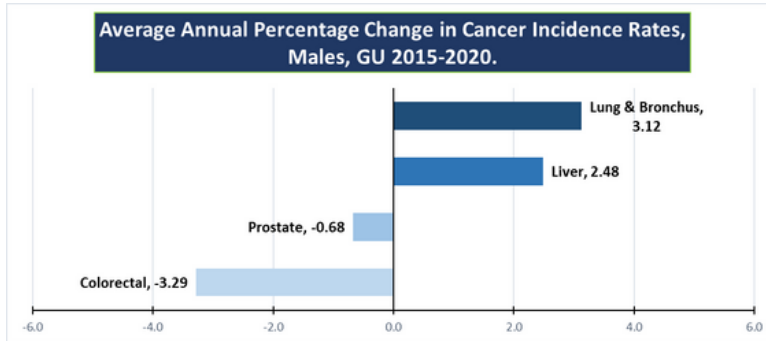
NEW CANCER DEATHS

Cancer Sites	2015-2017		2018-2020	
	Counts	Percent	Counts	Percent
Breast	186	17.0	210	17.6
Lung & Bronchus	160	14.6	197	16.5
Colorectal	127	11.6	99	8.3
Prostate	117	10.7	121	10.1
Liver	50	4.6	52	4.4
All Cancers	1094	100.0	1193	100.0

Table 3. Selected Cancers in Guam, New Cancer Deaths, 2015-2017 and 2018-2020

The mortality counts for breast, lung and bronchus, prostate, and liver cancer increased when compared to the counts for 2015-2017 time period. The mortality count for colorectal decreased compared to the count for the 2015-2017 time period.

AVERAGE ANNUAL RATES BY SEX



Males						
Cancer Sites	2015-2017		2018-2020		2015-2020 AAPC	
	Counts	Rates	Counts	Rates		
Breast						
Lung & Bronchus	98	52.9	128	62.9		3.1
Colorectal	80	43.7	75	35.1		-3.3
Prostate	117	55.7	121	53.4		-0.7
Liver	35	15.3	40	17.6		2.5
All Cancers	550	288.8	582	288.5		0.0

Table 4. Average Annual Rates for Males, GU 2015-2020

Rates are per 100,000 and are age-adjusted to the 2000 US Standard Population.

AAPC- Average Annual Percentage Change

Females					
Cancer Sites	2015-2017		2018-2020		2015-2020 AAPC
	Counts	Rates	Counts	Rates	
Breast	186	87.1	210	91.1	0.77
Lung & Bronchus	62	30.5	69	30.1	-0.26
Colorectal	47	23.4	69	31.5	5.83
Prostate					
Liver	15	7.1	12	5.8	-3.03
All Cancers	544	258.2	610	273.1	0.97

Table 5. Average Annual Rates for Females, GU 2015-2020

Rates are per 100,000 and are age-adjusted to the 2000 US Standard Population.

AAPC- Average Annual Percentage Change

Cancer sites with the highest incidence differ by sex. The prostate was the most frequently reported site of new cancers cases in males whereas the breast was the most frequently reported site for new cancer cases in females. Lung and bronchus cancer has the second highest incidence in both males and females. Among females, colorectal significantly increased, with an average annual percentage change of 5.83.