


NATIONAL CANCER INSTITUTE
Surveillance, Epidemiology, and End Results Program
[Home \(https://seer.cancer.gov/\)](https://seer.cancer.gov/) / [Cancer Statistics \(https://seer.cancer.gov/statistics/\)](https://seer.cancer.gov/statistics/)
[/ Reports on Cancer \(https://seer.cancer.gov/statistics/reports.html\)](https://seer.cancer.gov/statistics/reports.html)
[/ Cancer Stat Facts \(https://seer.cancer.gov/statfacts/\)](https://seer.cancer.gov/statfacts/) / Prostate Cancer — Cancer Stat Facts

Cancer Stat Facts: Prostate Cancer

 [\(https://seer.cancer.gov\)](https://seer.cancer.gov)

Statistics at a Glance

At a Glance

Estimated New Cases in 2022	268,490
-----------------------------	---------

% of All New Cancer Cases	14.0%
---------------------------	-------

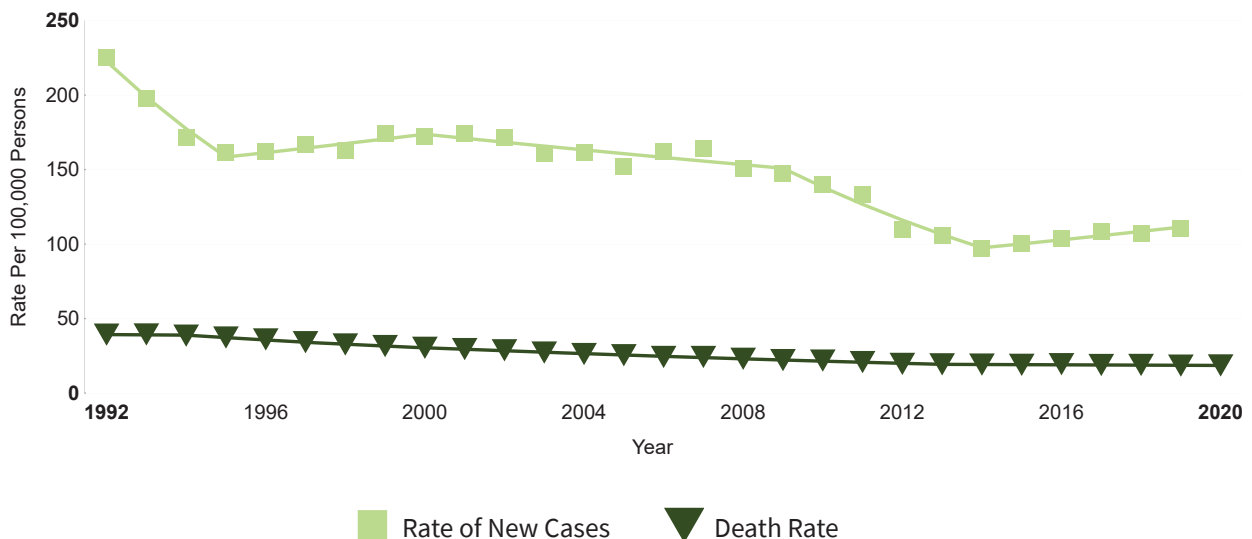
Estimated Deaths in 2022	34,500
--------------------------	--------

% of All Cancer Deaths	5.7%
------------------------	------

5-Year Relative Survival

96.8%

2012–2018



New cases come from SEER 12. Deaths come from U.S. Mortality.

All Races, Males. Rates are Age-Adjusted.

Modeled trend lines were calculated from the underlying rates using the [Joinpoint Trend Analysis Software](#).

New cases are also referred to as incident cases in other publications. Rates of new cases are also referred to as incidence rates.

[View Data Table](#)

Rate of New Cases and Deaths per 100,000: The rate of new cases of prostate cancer was 112.7 per 100,000 men per year. The death rate was 18.8 per 100,000 men per year. These rates are age-adjusted and based on 2015–2019 cases and 2016–2020 deaths.

Lifetime Risk of Developing Cancer:

Approximately 12.6 percent of men will be diagnosed with prostate cancer at some point during their lifetime, based on 2017–2019 data.

Prevalence of This Cancer: In 2019, there were an estimated 3,253,416 men living with prostate cancer in the United States.



Did you know?

More men are living with Prostate Cancer.

Survival Statistics

How Many People Survive 5 Years Or More after Being Diagnosed with Prostate Cancer?

Relative survival is an estimate of the percentage of patients who would be expected to survive the effects of their cancer. It excludes the risk of dying from other causes. Because survival statistics are based on large groups of people, they cannot be used to predict exactly what will happen to an individual patient. No two patients are entirely alike, and treatment and responses to treatment can vary greatly.



5-Year
Relative Survival

96.8%

Based on data from SEER 17 2012–2018. Gray figures represent those who have died from prostate cancer. Green figures represent those who have survived 5 years or more.

i Additional Information

- [More about survival statistics](#)

(<https://seer.cancer.gov><https://surveillance.cancer.gov/survival/measures.html>).

- [Additional prostate cancer survival statistics in SEER*Explorer](#)

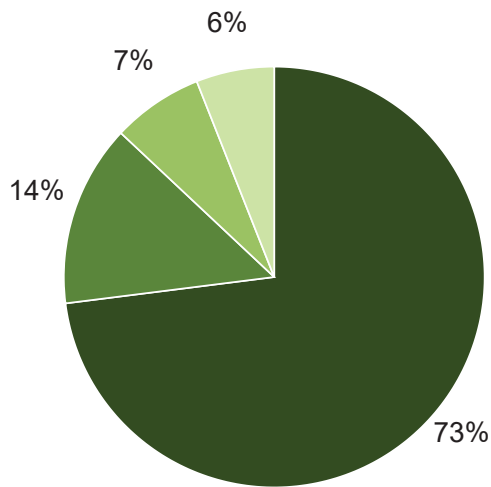
(<https://seer.cancer.gov>https://seer.cancer.gov/explorer/application.html?site=066&data_type=4&graph_type=6&compareBy=race&chk_race_1=1&chk_race_5=5&chk_race_4=4&chk_race_3=3&chk_race_6=6&chk_race_8=8&chk_race_2=2&hdn_sex=3&age_range=1&stage=101&advopt_precision=1).

Survival by Stage

Cancer stage at diagnosis, which refers to extent of a cancer in the body, determines treatment options and has a strong influence on the length of survival. In general, if the cancer is found only in the part of the body where it started it is *localized* (sometimes referred to as stage 1). If it has spread to a different part of the body, the stage is *regional* or *distant*. For prostate cancer, 72.8% are diagnosed at the local stage. The 5-year relative survival for localized prostate cancer is 100.0%.

Percent of Cases & 5-Year Relative Survival by Stage at Diagnosis: Prostate Cancer

Percent of Cases by Stage



■ **Localized (73%)**

Confined to Primary Site

■ **Regional (14%)**

Spread to Regional Lymph Nodes

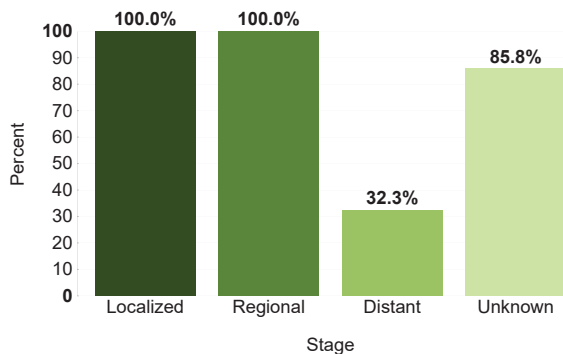
■ **Distant (7%)**

Cancer Has Metastasized

■ **Unknown (6%)**

Unstaged

5-Year Relative Survival



SEER 17 2012–2018, All Races, Males by SEER Combined Summary Stage

i Additional Information

- [More about prostate cancer staging](#)

(<https://seer.cancer.govhttps://www.cancer.gov/types/prostate/patient/prostate-treatment-pdq#section/all>).

- [Additional statistics on prostate cancer by stage in SEER*Explorer](#)

(https://seer.cancer.govhttps://seer.cancer.gov/explorer/application.html?site=066&data_type=4&graph_type=5&compareBy=stage&chk_stage_104=104&chk_stage_105=105&chk_stage_106=106&chk_stage_107=107&series=age_range&chk_age_range_1=1&chk_age_range_9=9&chk_age_range_141=141&chk_age_range_157=157&sex=1&race=1&advopt_precision=1).

New Cases and Deaths

How Common Is This Cancer?

Compared to other cancers, prostate cancer is fairly common.

Common Types of Cancer	Estimated New Cases 2022	Estimated Deaths 2022
1. Breast Cancer (Female)	287,850	43,250
2. Prostate Cancer	268,490	34,500
3. Lung and Bronchus Cancer	236,740	130,180
4. Colorectal Cancer	151,030	52,580
5. Melanoma of the Skin	99,780	7,650
6. Bladder Cancer	81,180	17,100
7. Non-Hodgkin Lymphoma	80,470	20,250
8. Kidney and Renal Pelvis Cancer	79,000	13,920
9. Uterine Cancer	65,950	12,550
10. Pancreatic Cancer	62,210	49,830

Prostate cancer represents 14.0% of all new cancer cases in the U.S.



In 2022, it is estimated that there will be 268,490 new cases of prostate cancer and an estimated 34,500 people will die of this disease.

Who Gets This Cancer?

Prostate cancer occurs only in men, and it is more common in older men than younger men. It is more likely to occur in men with a family history of prostate cancer and men of African American descent. The rate of new cases of prostate cancer was 112.7 per 100,000 men per year based on 2015–2019 cases, age-adjusted.

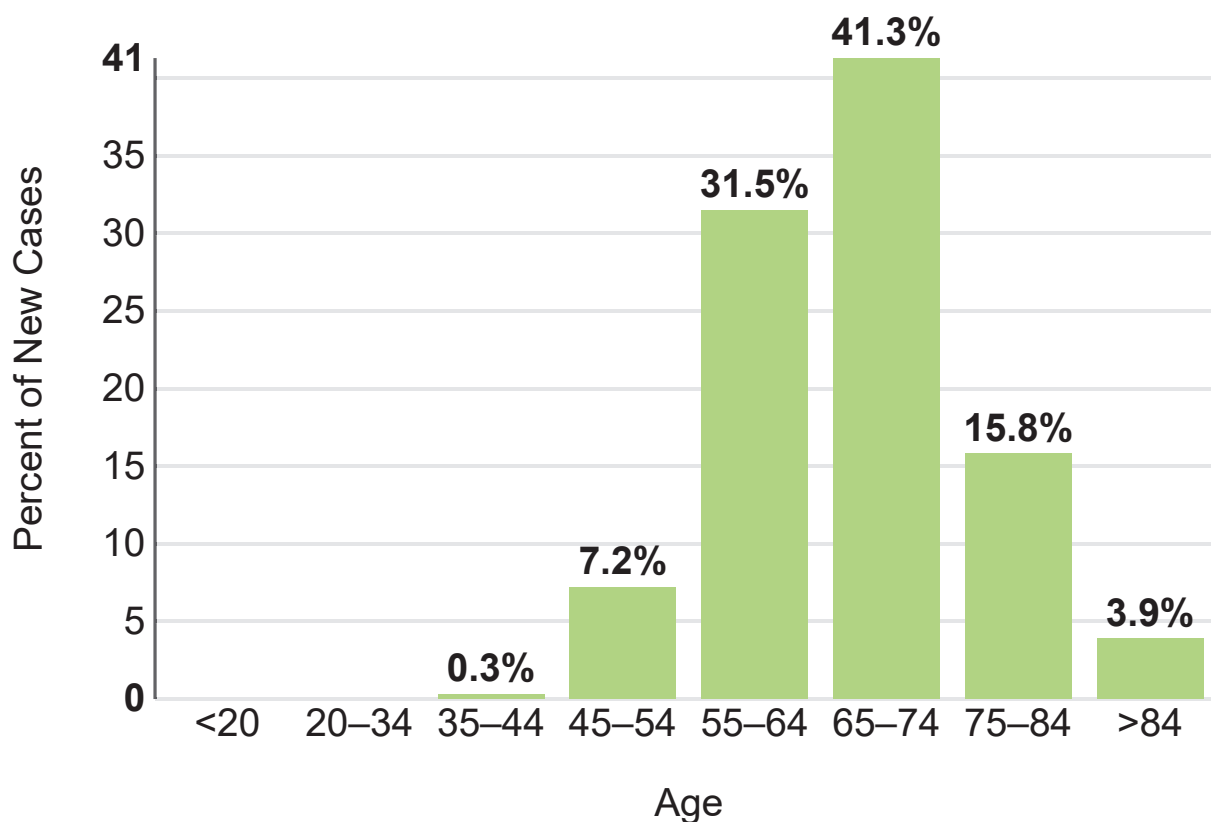
Rate of New Cases per 100,000 Persons by Race/Ethnicity: Prostate Cancer

MALES	
All Races	112.7
Non-Hispanic White	110.0
Non-Hispanic Black	183.4
Non-Hispanic Asian/Pacific Islander	59.6
Non-Hispanic American Indian/Alaska Native	70.3
Hispanic	88.6

FEMALES	
All Races	Sex-specific cancer type
Non-Hispanic White	
Non-Hispanic Black	
Non-Hispanic Asian/Pacific Islander	
Non-Hispanic American Indian/Alaska Native	
Hispanic	

SEER 22 2015–2019, Age-Adjusted

Percent of New Cases by Age Group: Prostate Cancer



Prostate cancer is most frequently diagnosed among men aged 65–74.

Median Age At Diagnosis
67

SEER 22 2015–2019, All Races, Males

Who Dies From This Cancer?

Because we have screening for prostate cancer, most of the time it is caught before it spreads to other parts of the body. Men who have prostate cancer that is characterized as localized or regional are not as likely to die as men whose cancer is distant. In general prostate cancer has excellent survival rates, but death rates are higher in African American men, men who have advanced stage cancer, and men who are between the ages of 75 and 84. Prostate cancer is the fifth leading cause of cancer death in the United States. The death rate was 18.8 per 100,000 men per year based on 2016–2020, age-adjusted.

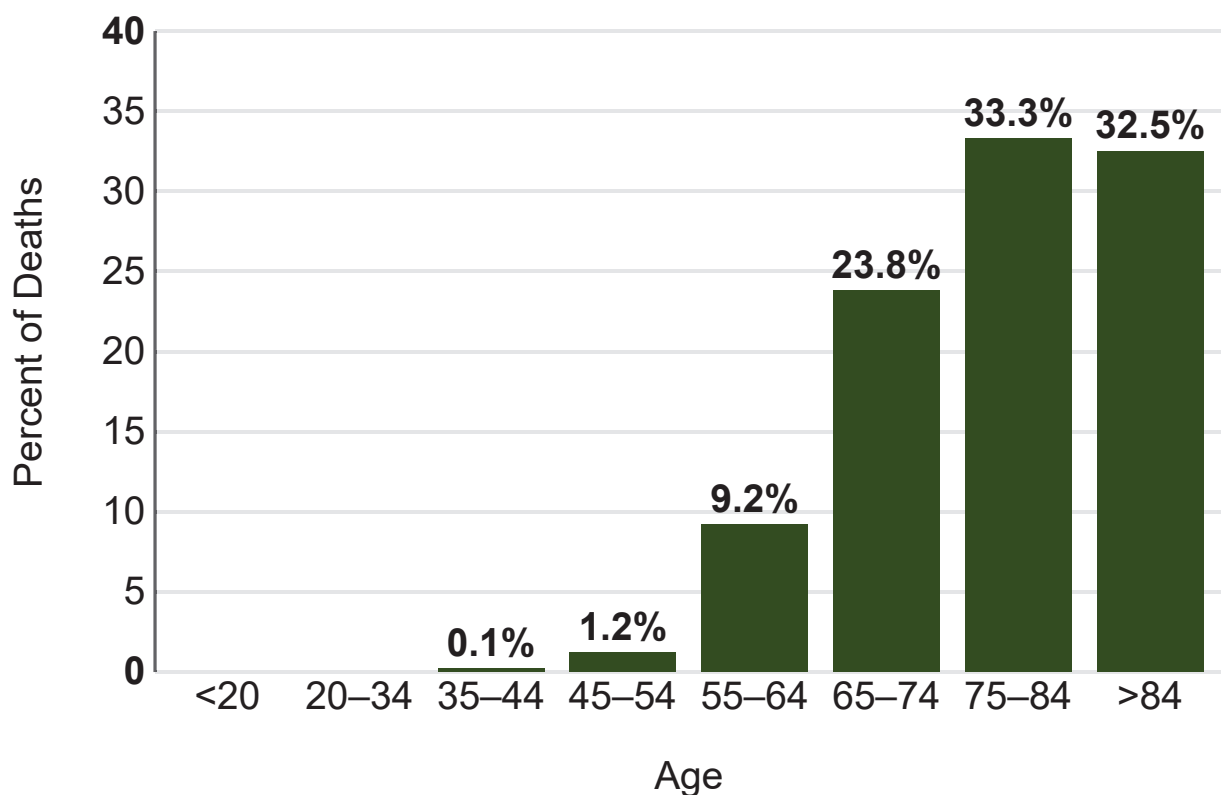
Death Rate per 100,000 Persons by Race/Ethnicity: Prostate Cancer

MALES	
All Races	18.8
Non-Hispanic White	17.8
Non-Hispanic Black	37.5
Non-Hispanic Asian/Pacific Islander	8.6
Non-Hispanic American Indian/Alaska Native	19.5
Hispanic	15.3

FEMALES	
All Races	Sex-specific cancer type
Non-Hispanic White	
Non-Hispanic Black	
Non-Hispanic Asian/Pacific Islander	
Non-Hispanic American Indian/Alaska Native	
Hispanic	

U.S. 2016–2020, Age-Adjusted

Percent of Deaths by Age Group: Prostate Cancer



The percent of prostate cancer deaths is highest among men aged 75-84.

Median Age
At Death

79

U.S. 2016-2020, All Races, Males

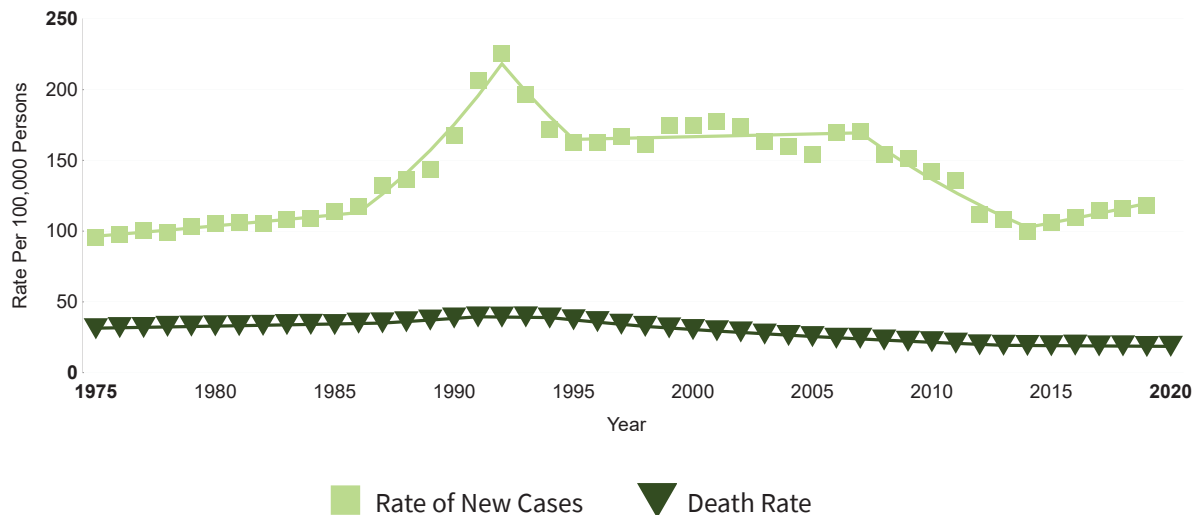
Trends in Rates

Changes Over Time

Keeping track of new cases, deaths, and survival over time (trends) can help scientists understand whether progress is being made and where additional research is needed to address challenges, such as improving screening or finding better treatments.

Using statistical models for analysis, age-adjusted rates for new prostate cancer cases have not changed significantly over 2010–2019. Age-adjusted death rates have been falling on average 1.2% each year over 2011–2020. 5-year relative survival trends are shown below.

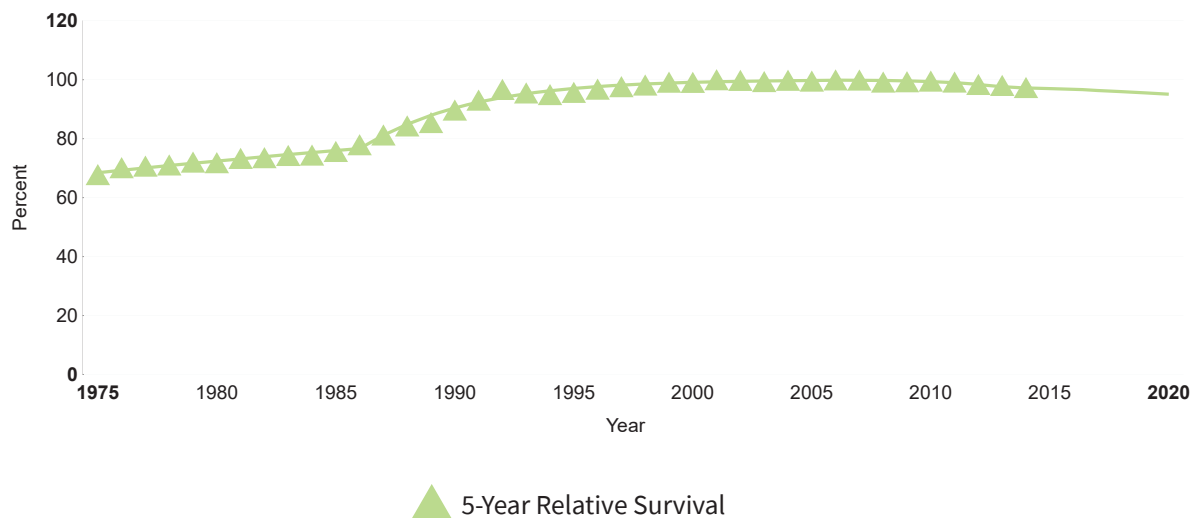
New Cases, Deaths and 5-Year Relative Survival



New cases come from SEER 8. Deaths come from U.S. Mortality.

All Races, Males. Rates are Age-Adjusted.

Modeled trend lines were calculated from the underlying rates using the [Joinpoint Trend Analysis Software](https://seer.cancer.govhttps://surveillance.cancer.gov/joinpoint/). (<https://seer.cancer.govhttps://surveillance.cancer.gov/joinpoint/>).



SEER 8 5-Year Relative Survival Percent from 1975–2014, All Races, Males.

Modeled trend lines were calculated from the underlying rates using the [Joinpoint Survival Model Software](https://seer.cancer.govhttps://analysistools.cancer.gov/jpsurv/). (<https://seer.cancer.govhttps://analysistools.cancer.gov/jpsurv/>).

[View Data Table](#)

Interactive Statistics with SEER*Explorer

SEER*Explorer is an interactive website that provides easy access to a wide range of SEER cancer statistics. It provides detailed statistics for a cancer site by gender, race, calendar year, age, and for a selected number of cancer sites, by stage and histology.

Explore Additional Prostate Cancer Statistics

(<https://seer.cancer.govhttps://seer.cancer.gov/explorer/application.html?site=066>)

With SEER*Explorer, you can...

 Create custom graphs and tables

 Download data and images

 Share links to results

More About This Cancer

Cancer and the Prostate

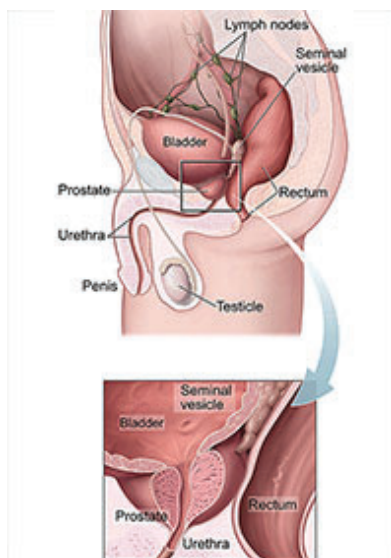


Figure: Prostate and Nearby Organs

Click to enlarge.

This cancer forms in tissues of the prostate (a gland in the male reproductive system found below the bladder and in front of the rectum). The prostate surrounds the urethra, the tube through which urine flows. A healthy prostate is about the size of a walnut. If the prostate grows too large, it squeezes the urethra. This may slow or stop the normal flow of urine. Prostate cancer usually occurs in older men.

Additional Information

- [Learn more about prostate cancer](#)

(<https://seer.cancer.gov><https://www.cancer.gov/cancertopics/types/prostate>).

More Information

Here are some resources for learning more about prostate cancer.

- [About risk factors for prostate cancer](#)
(<https://seer.cancer.gov><https://www.cancer.gov/types/prostate/patient/prostate-prevention-pdq#section/all>).
- [About symptoms and diagnosis of prostate cancer](#)
(<https://seer.cancer.gov><https://www.cancer.gov/types/prostate/patient/prostate-treatment-pdq#section/all>).
- [About treatment options for prostate cancer](#)
(<https://seer.cancer.gov><https://www.cancer.gov/types/prostate/patient/prostate-treatment-pdq#section/all>).
- [About clinical trials](#) (<https://seer.cancer.gov><https://www.cancer.gov/clinicaltrials>).
- [About preventing prostate cancer](#)
(<https://seer.cancer.gov><https://www.cancer.gov/types/prostate/patient/prostate-prevention-pdq#section/all>).
- [About the health risks of smoking and ways to quit](#)
(<https://seer.cancer.gov><https://www.cancer.gov/about-cancer/causes-prevention/risk/tobacco/quit-smoking-pdq#section/all>).

References

All statistics in this report are based on statistics from SEER and the Centers for Disease Control and Prevention's National Center for Health Statistics. Most can be found within [SEER*Explorer](#) (<https://seer.cancer.gov><https://seer.cancer.gov/explorer/>).

Suggested Citation

All material in this report is in the public domain and may be reproduced or copied without permission; citation as to source, however, is appreciated.

SEER Cancer Stat Facts: Prostate Cancer. National Cancer Institute. Bethesda, MD,
<https://seer.cancer.gov/statfacts/html/prost.html>
(<https://seer.cancer.gov><https://seer.cancer.gov/statfacts/html/prost.html>).

These stat facts focus on population statistics that are based on the U.S. population. Because these statistics are based on large groups of people, they cannot be used to predict exactly what will happen to an individual

patient. To see tailored statistics, browse [SEER*Explorer](https://seer.cancer.gov/explorer/) (<https://seer.cancer.gov/explorer/>). To see statistics for a specific state, go to the [State Cancer Profiles](https://statecancerprofiles.cancer.gov/) (<https://statecancerprofiles.cancer.gov/>).

The statistics presented in these stat facts are based on the most recent data available, most of which can be found in [SEER*Explorer](https://seer.cancer.gov/explorer/) (<https://seer.cancer.gov/explorer/>). In some cases, different year spans may be used.

Estimates of new cases and deaths for 2022 are projections made by the American Cancer Society (ACS), based on earlier reported data.

Cancer is a complex topic. There is a wide range of information available. These stat facts do not address causes, symptoms, diagnosis, treatment, follow-up care, or decision making, although links are provided to information in many of these areas.