CDC WONDER

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**United States Cancer Statistics Public Information Data:** Incidence United States 1999 - 2021 and Puerto Rico 2005 - 2021

#### Summary

Summary: Cancer incidence data are available for the United States, state and metropolitan areas (MSA) by age group, race, sex, ethnicity, year of diagnosis, childhood cancer classifications and cancer site for the years 1999 2021. Cancer incidence data are available for Puerto Rico by age group, sex, year of diagnosis, childhood cancer classifications and cancer site for the years 2005 - 2021.

Source: The United States Cancer Statistics (USCS) are the official federal statistics on cancer incidence from registries having high-quality data and cancer mortality statistics for 50 states and the District of Columbia. USCS are produced by the Centers for Disease Control and Prevention (CDC) and the National Cancer Institute (NCI). For a list of all USCS contributors and partners, visit USCS Contributors.

Data are provided by:

- The Centers for Disease Control and Prevention National Program of Cancer Registries (NPCR)
- The National Cancer Institute Surveillance, Epidemiology and End Results (SEER) program

Data for years 1999-2021 are provided as reported to NPCR and SEER in the 2023 data submission, released

In WONDER:

You can produce tables, maps, charts, and data extracts. Obtain incidence counts, crude rates, age-adjusted rates, with 95% confidence intervals and standard errors for rates. Select specific disease and demographic criteria to produce cross-tabulated incidence measures. Data are organized into three levels of geographic detail: national, state and Metropolitan Statistical Areas (MSAs). The population estimates used as the denominator for rate calculations are also shown. You can limit and index your data by any and all of the variables:

- 1. Location Regions, Divisions and States or Metropolitan Areas (MSA)
- 2. Year 1999-2021 (2005 2021 for Puerto Rico)
- 3. Age Group
- 4. Race All, American Indian or Alaska Native, Asian or Pacific Islander, Black or African American, White, Other Races Combined (not available for Puerto Rico)
- 5. Sex Female, Male
- 6. Ethnicity Hispanic, Non-Hispanic, Unknown (not available for Puerto Rico)
- 7. Leading Cancer Sites
- 8. Cancer Sites
- 9. Childhood Cancers

The following statistical measures are available as query results:

- 1. Disease Incidence Counts
- 2. Age-Adjusted Rates (optional)
- 3. 95% Confidence Intervals for rates (optional)
- 4. Standard Errors for rates (optional)
- 5. Crude Rates (optional)

Contents: United States Cancer Statistics Data Request

**Data Source Information** Additional Information

### **United States Cancer Statistics Data Request**

Output: You can produce tables, maps, charts, and data extracts. Obtain incidence counts, crude rates, ageadjusted rates, with 95% confidence intervals and standard errors for rates, from the United States Cancer Statistics public information data. The population estimates used as the denominator for rate

calculations are also shown.

Variables: You can limit and index your data by any and all of the variables.

How? The Request screen has sections to guide you through the making a data request as step-by-step process. However, to get your first taste of how the system works, you might want to simply press any Send button, and execute the default data request. The data results for your query appear on the Table screen. After you get your data results, try the Chart and Map screens. Or export your data to a file (tab-delimited line listing) for download to your computer.

For more information, see the following:

Quick Start Guide;

Step 1, Organize and label results;

Step 2, Select location;

Step 3, Select year and demographics;

Step 4, Select cancers of interest;

Step 5, Other Options.

'Bv-Variables'

Select variables that serve as keys (indexes) for organizing your data. See How do I organize my data? for more information.

#### Notes:

- To map your data, you must "Group Results By" a geographical location, such as "States," in section 1 on the "Request Form" tab.
- Metropolitan areas (MSA) do not combine with Regions, Divisions and States. For example, you cannot group results by State, and limit your data to selected MSA locations in the same
- To include Puerto Rico's data, you must select the "States and Puerto Rico" button in section 2 on the "Request Form" tab. When the "States," "Regions," or "MSA" buttons are selected, then Puerto Rico's data are not included.
- The "Group Results By" selections cannot include "Race" nor "Ethnicity" when you have requested Puerto Rico's data, by selecting the "States and Puerto Rico" button in section 2 on the "Request Form" tab.
- When you have requested age-adjusted rates, you cannot "Group Results By" "Age Groups" in section 1 on the "Request Form" tab.

Help: Click on any button labeled "Help", located to the right-hand side of the screen at the top of each section. Each control's label, such as the "Location" label next to the Location entry box, is linked to the on-line help for that item.

Send: Sends your data request to be processed on the CDC WONDER databases. The Send buttons are located on the bottom of the Request page, and also in the upper right corner of each section, for easy access.

### Step 1. Organize table layout:

Group Results By: Select up to five variables that serve as keys for grouping your data. See Group Results By below for hints.

Select Optional Measures: Select the check box to include optional measures in your report. Frequency counts are

reported by default.

Title: Enter any desired description to display as a title with your results.

Note: See Hints and About Requesting Data for Puerto Rico below, in the Group Results By section.

### Measures:

The following statistical measures are available as guery results:

- 1. Disease Incidence Counts
- 2. Age-Adjusted Rates (optional)
- 3. 95% Confidence Intervals for rates (optional)
- 4. Standard Errors for rates (optional)
- 5. Crude Rates (optional)

Select the check box to include optional measures in your report.

### Group Results By...

Select up to five variables that serve as keys for grouping your data. For example, you could select to group (summarize, stratify, index) your data by Location (State or MSA) and Race.

How? See How do I organize my data? for more information. Hints:

### 1. About breast and genital system cancers:

When generating a report by primary site, it is appropriate to either select cases by sex or generate a report by sex. By default this program includes population data for both sexes in the rate calculations. However, the default for sex-specific cancers such as prostate, ovary or cervix, is to calculate rates for the sex-specific populations. See About Breast and Genital System Cancers for more information.

- 2. When age-adjusted rates are calculated, you cannot group the data by Age Group.
- 3. You cannot group the data by both State and by MSA. You can group by State only when you have chosen State locations. You can group by MSA only when you have chosen MSA locations.
- 4. About charts:

You cannot make charts when your data has more than two selections in the "Group Results By" lists in section 1 on the "Request Form" tab.

#### 5. About maps:

To make a map, you must "Group Results By" a geographic location, such as "State," section 1 on the "Request Form" tab. After you get the results to your query, then click the "Map" tab.

### 6. About requesting data for Puerto Rico:

- You cannot select "Race" or "Ethnicity", in the "Group Results By" list in section 1 on the "Request Form" tab when requesting data for Puerto Rico.
- Data for Puerto Rico are requested in section 2 on the Request Form, by clicking the round button for "States and Puerto Rico."
- When the "States and Puerto Rico" list is selected in section 2 on the Request Form, then Race and Ethnicity categories are not shown in section 3 on the Request Form.

### Counts

Cancer case reports in this data set are counted by or summed by the cancer reported. For example, a single person with more than one primary cancer verified by a medical doctor is counted as a case report for each type of primary cancer reported. Having more than one primary cancer occurs in less than 20% of the population. The counts report the frequency of verified cancer diagnoses in the selected population and time period.

### **Age-Adjusted Rates**

The calculation of age-adjusted rates is optional. Select the check box on the Request page to include these statistics in your report.

Age-adjusted rates are calculated with age distribution ratios from the Year 2000 "standard million" population, and the rates are shown per 100,000 population.

An age-adjusted rate is a weighted average of the age-specific (crude) rates, where the weights are the proportions of persons in the corresponding age groups of a standard million population. The potential confounding effect of age is reduced when comparing age-adjusted rates computed using the same standard million population.

For more information on how age-adjusted rates are calculated, see:

- Surveillance, Epidemiology and End Results (SEER)
- · How are age-adjusted rates calculated?

### Notes

- Because cancer incidence increases with age, the change to the 2000 U.S. standard population resulted in higher incidence rates for most cancers. The data published here should not be compared with cancer incidence rates adjusted to different standard populations.
- Incidence rates are also influenced by the choice of population denominators used in calculating the rates. Because some state health departments use customized state population projections when calculating incidence rates, the rates published here may differ slightly from those published by individual states.
- Note that the weights used to calculate age-adjusted rates are derived from the specific populations selected as data request criteria. For example, if you limit your request to specific age groups, then the weights are calculated to represent the selected population.
- The population of many counties along the Gulf Coast of Louisiana, Alabama, Mississippi, and Texas were displaced in the fall of 2005 by Hurricanes Katrina and Rita. The Census Bureau estimates that that 203,937 persons were displaced from these four states in 2005, due to Hurricanes Katrina and Rita. CDC WONDER does not include the displaced persons in the 2005 population counts for these states, nor are these counts included in the summary populations for the affected division, regions or national population. However, the United States Cancer Statistics website does include these displaced persons in the national population figures for 2005. Thus the national rates and population figures for year 2005 are not comparable between CDC WONDER and the United States Cancer Statistics website. State and MSA population figures are comparable.
- Incidence data are not available for all states in all years, and the state populations are excluded from the
  national totals when the corresponding incidence data are not available. For more information, see Data
  Visualizations Tool Technical Notes.

### How are age-adjusted rates calculated?

The age-adjusted rate is calculated by multiplying the age-specific rate for each age group by the corresponding weight from the specified standard population, then summing across all age groups, and then multiplying this result by 100,000.

Age-Adjusted Rate = (Sum of (Each Age Specific Rate \* Each Standard Population Weight) )\* 100,000

The age-specific rate is the number of incidents for a given age group, divided by the population of that age group.

Number of incidents in age group

Age Specific Rate =

Population of age group

The "standard population weight" for an age group is calculated by dividing the population for the age group by the sum of the populations for all of the age groups in the query.

Population for age group

Standard Population Weight =

Sum of populations for all age groups

### What standard population weights are used for age-adjusted rate calculations?

Note that the weights used to calculate age-adjusted rates are derived from the specific populations selected as data request criteria. For example, if you limit your request to specific age groups, then the weights are calculated to represent the selected population.

# What are the age-specific populations for the standard populations?

Refer to the following tables to see the age-specific populations for the various "standard million" populations.

- 2000 US Standard Population
- 1970 US Standard Population
- 1940 US Standard Population
- 2000 World Standard Population

### 2000 US Standard Million Population

Age Group	Standard Population	Weight
00-00 years	13,818	0.013818
01-04 years	55,317	0.055317
05-09 years	72,533	0.072533
10-14 years	73,032	0.073032
15-19 years	72,169	0.072169
20-24 years	66,478	0.066478
25-29 years	64,529	0.064529
30-34 years	71,044	0.071044
35-39 years	80,762	0.080762
40-44 years	81,851	0.081851
45-49 years	72,118	0.072118
50-54 years	62,716	0.062716
55-59 years	48,454	0.048454
60-64 years	38,793	0.038793
65-69 years	34,264	0.034264
70-74 years	31,773	0.031773
75-79 years	26,999	0.026999
80-84 years	17,842	0.017842
85+ years	15,508	0.015508

# 1970 US Standard Million Population

	Standard	
Age Group	Population	Weight
OC-00 years 01-04 years 05-09 years 10-14 years 20-24 years 25-39 years 30-34 years 35-39 years 40-44 years 45-49 years 50-54 years 65-69 years 66-69 years 70-74 years	17,151 67,265 98,204 102,304 80,561 66,320 56,249 54,656 58,958 59,622 54,643 49,077 42,403 34,406 26,789	Weight  0.017151 0.067265 0.098204 0.102304 0.080561 0.066320 0.056249 0.054656 0.058958 0.059622 0.054643 0.049077 0.042403 0.034406 0.026789
75-79 years	18,871	0.018871
80-84 years	11,241	0.011241
85+ years	7,435	0.007435

# 1940 US Standard Million Population

Age Group	Standard Population	Weight
00-00 years 01-04 years 05-09 years 10-14 years 15-19 years 20-24 years 25-29 years 35-39 years 40-44 years 50-54 years 50-54 years 60-64 years 65-69 years 70-74 years 75-79 years	15,343 64,718 81,147 89,208 93,670 88,007 84,277 77,789 72,495 66,742 62,697 55,114 44,383 35,911 28,911 19,515 11,422	0.015343 0.064718 0.081147 0.089208 0.093670 0.088207 0.077789 0.072495 0.066742 0.062697 0.055114 0.044383 0.035911 0.028911 0.019515 0.011422
80-84 years 85+ years	5,881 2,770	0.001422 0.005881 0.002770

### 2000 World Standard Million Population

	Stand	ard	
Age Group	Popul	ation	Weight
00-00 year	cs 24,0	00	0.024000
01-04 year	rs 96,0	00	0.096000
05-09 year	s 100,0	00	0.100000
10-14 year	s 90,0	00	0.090000
15-19 year	s 90,0	00	0.090000
20-24 year	s 80,0	00	0.080000
25-29 year	s 80,0	00	0.080000
30-34 year	s 60,0	00	0.060000
35-39 year	s 60,0	00	0.060000
40-44 year	s 60,0	00	0.060000
45-49 year	s 60,0	00	0.060000
50-54 year	s 50,0	00	0.050000
55-59 year	s 40,0	00	0.040000
60-64 year	s 40,0	00	0.040000
65-69 year	s 30,0	00	0.030000
70-74 year	s 20,0	00	0.020000
75-79 year	s 10,0	00	0.010000
80-84 year	s 5,0	00	0.005000
85+ years	5,0	00	0.005000

### 95% Confidence Intervals for Age-Adjusted Rates

The calculation of 95% confidence intervals for rates is optional. Select the check box on the Request page to include these statistics in your report.

The 95% confidence intervals calculated for age-adjusted rates use the Chi Square or Gamma distribution method.

- The 1999-2021 USCS online database uses the Tiwari method, see "Efficient interval estimation for age-adjusted cancer rates" by Ram C. Tiwari, Limin X. Clegg and Zhaohui Zou, published <u>Statistical Methods in Medical</u> <u>Research</u> 2006; 15: 547-569.
- The 1999-2002 online database uses the Fay and Feuer method, see "Confidence intervals for directly standardized rates: A method based on the Gamma distribution" by Michael P. Fay and Eric J. Feuer, published <a href="Statistics in Medicine">Statistics in Medicine</a> 1997; 16: 791-801.

## **Standard Errors for Rates**

The calculation of standard errors for rates is optional. Select the check box on the Request page to include these statistics in your report.

Standard errors for rates are calculated with the assumption that the cancer counts have Poisson distributions.

The method for calculating standard errors for age-adjusted rates is shown below, where the age-adjusted rate is comprised of age groups x through y.

$$SE_{\textit{AArate}} = \left[ \sum_{i=x}^{y} \left( \frac{stdmil_i}{\sum_{j=x}^{y} stdmil_j} \right)^2 \times \left( \frac{count_i}{population_i^2} \right) \right]^{\frac{1}{2}} \times 100,000$$

The method for calculating standard errors for crude rates:

$$SE_{\textit{AArate}} = \left[ \sum_{i=x}^{y} \left( \frac{stdmil_i}{\sum_{j=x}^{y} stdmil_j} \right)^2 \times \left( \frac{count_i}{population_i^2} \right) \right]^{\frac{1}{2}} \times 100,000$$

### **Crude Rates**

Crude Rates are optional. Select the check box on the Request page to include Crude Rates in your report.

Crude Rates are expressed as the number of cases reported each calendar year per 100,000 population.

The population estimates for the denominators of incidence rates are race-specific (American Indian or Alaska Native, Asian or Pacific Islander, Black or African American, White), ethnicity-specific (Hispanic, Non-Hispanic), and sex-specific (Male, Female) county population estimates aggregated to the state or metropolitan area level. See Population Denominator Data Sources below for more information.

#### Notes:

- Rates are calculated per 100,000 population by default.
- Crude rates are helpful in determining the need for services for a given population, relative to another population, regardless of size. Crude rates are influenced by the underlying age distribution of the state's population. Even if two states have the same age-adjusted rates, the state with the relatively older population (as demonstrated by having a higher median age) will have higher crude rates because incidence or death rates for most cancers increase with increasing age.
- The year 2000 Census population counts varied from previous population estimates for the years 1990-1999.
  Rates for geographic areas with small populations and for specific racial or ethnic populations appear to be
  affected to a greater degree and should be interpreted with caution. Furthermore, since corrections to the
  population denominators extrapolated from the 1990 census were larger in the late 1990s than earlier in the
  decade, rates calculated for the late 1990s may be subject to more change than rates calculated for the early
  1990s.
- Select the precision for rate calculations in the Other Options section. When the rate calculated for a small
  numerator (incidence count) is zero, you may increase the precision to reveal the rate by showing more numbers
  to the right of the decimal point.

### Step 2. Select location:

Select the place of interest from one of the following lists:

- 1. States in the US
- 2. Regions include Divisions and States in the US
- 3. Metropolitan Statistical Areas (MSA) in the US
- 4. States and Puerto Rico

Click the round button to the right of the list's name to display the list.

### Region

Regions and Divisions are multi-state groups. For regional data, you can group by Region, or you can select any combination of individual regions. You can also select multi-state divisions or any combination of individual states.

### How?

- · Click a round button to switch between the lists of locations.
- · See How do I use a Finder? for more information.
- · See Finder Tool help for more hints.

### Hints:

- The default is all values (the United States).
- The Advanced mode let you easily pick several items from different parts of the list. Items are not selected until you click the "Move" button in Advanced mode. You may also enter values by hand, one code per line, in the Advanced mode. Use the Finder to see the correct code format. For example, 02 is the Alaska state code.
- The "plus" symbol, "+" indicates that you can open the item, to see more items below it.
- $\bullet\,$  The results to a search are shown in blue, and indicated by ">".

### Notes:

· Region is based on the person's legal state of residence at the time the case was submitted to the

registry.

- The Regions are identified by both name and codes in data extracts.
- The United States is split into 4 regions: Northeast, Midwest, South and West. To see the Divisions
  and States that comprise the regions, send a request for data grouped by Region, Division and State.
  Choose to "Show Zero Values" in order to also see the names of the states which have been omitted
  from this data set.

### States / States and Puerto Rico

Pick the United States or any combination of individual areas desired. Be sure the button above the list of locations is set to your desired list.

**How?** See Radio Button to pick your preferred list. See How do I select items from the list box? to select specific options in the list.

#### Notes:

- · State and MSA data are based on the patient's residence at the time the case was submitted to the registry.
- The states are coded to Federal Information Processing Standard (FIPS) state codes. The codes and labels for
  each state shown in separate columns in the data export files. To see the entire list of included states with label
  and code values, group by State and by Year.
- The Race and Ethnicity categories are not shown on the "Request Form" tab, when the round button is selected to show the "States and Puerto Rico" list in the "Select Locations" section on the "Request Form" tab.

### About missing data:

"The United States" in the State list does not include all 50 states. The data shown for "The United States" are the total of all states included in the data set. More information about the missing locations:

- Cancer registries were required to meet specific data quality criteria for their cancer incidence statistics to be included in this report. Only registries whose data met these specified criteria were included. See USCS Registry Eligibility Criteria for more information.
- The 1999-2021 incidence data cover 97.9% of the U.S. population for 2021 diagnoses and 99.6% for cases diagnosed between 1999 and 2021, that meet the data quality criteria for all invasive cancer sites combined. See registry-specific data quality Year: Percent of Population 1999: 98.7% (excludes Mississippi, South Dakota)

2000: 98.7% (excludes Mississippi, South Dakota)

2001: 99.0% (excludes Mississippi) 2002: 99.0% excludes Mississippi)

2003-2019: 100% population coverage each year

2020: 98.0% (excludes Indiana) 2021: 97.9% (excludes Indiana)

These states are missing data for the indicated year in the 1999-2021 cancer incidence data:

 State
 Year(s)

 Indiana
 2020-2021

 Mississippi
 1999-2002

 South Dakota 1999-2000

Puerto Rico 1999-2004; July - December 2017

# About comparisons with other published reports:

Note that comparisons of the national counts and rates with other published reports may differ because some states are not included in the data. The 1999-2021 data include different states in different years than the previous archive data sets. The locations are documented at:

Missing locations in this release and prior releases of these data:

1999-2021 Missing States

1999-2020 Archive Missing States

1999-2019 Archive Missing States

1999-2018 Archive Missing States

1999-2017 Archive Missing States

1999-2016 Archive Missing States

1999-2015 Archive Missing States

1999-2014 Archive Missing States

1999-2013 Archive Missing States

1999-2012 Archive Missing States

1999-2011 Archive Missing States 1999-2010 Archive Missing States

1999 2010 / Cilive / Hooming States

1999-2009 Archive Missing States

1999-2008 Archive Missing States

1999-2006 Archive Missing States

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1999-2005 Archive Missing States
  1999-2004 Archive Missing States
  1999-2002 Archive Missing States
• Included locations in this release and prior releases of these data:
  1999-2021 Included States
  1999-2020 Archive Included States
  1999-2019 Archive Included States
  1999-2018 Archive Included States
  1999-2017 Archive Included States
  1999-2016 Archive Included States
  1999-2015 Archive Included States
  1999-2014 Archive Included States
  1999-2013 Archive Included States
  1999-2012 Archive Included States
  1999-2011 Archive Included States
  1999-2010 Archive Included States
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1999-2005 Archive Included States

1999-2004 Archive Included States

1999-2009 Archive Included States 1999-2008 Archive Included States 1999-2006 Archive Included States

1999-2002 Archive Included States

### · Impact of Hurricane Maria in 2017

Puerto Rico's 2017 incidence counts and rates are based on the first six months of reported data coupled with half of the population estimate (January to June 2017). Cases with unknown month of diagnosis were included. Data from July to December 2017 are excluded to account for the population shift that occurred due to Hurricane Maria.

# • Impact of Hurricanes Katrina and Rita in 2005

The population of many counties along the Gulf Coast of Louisiana, Alabama, Mississippi, and Texas were displaced in the fall of 2005 by Hurricanes Katrina and Rita, resulting in incomplete case ascertainment for the latter half of the year. For these states, state- and county-level incidence rates were calculated based upon the data submitted to CDC.

# Metropolitan Statistical Area (MSA)

Pick "The United States" or any combination of individual MSAs desired. Be sure the button for State above the list is set to your choice.

**How?** See Radio Button to pick your preferred list. See How do I select items from the list box? to select specific options in the list.

Metropolitan statistical areas are defined by the federal Office of Management and Budget (OMB). The MSA definitions apply to all areas except the six New England states; for these states, the New England County Metropolitan Areas (NECMAs) are used. Metropolitan areas are named for a central city in the MSA or NECMA, may include several cities and counties, and may cross state boundaries. Further information about MSAs can be found on the U.S. Census Bureau website at www.census.gov; search for "Metropolitan Statistical Area."

### Notes:

- · State and MSA data are based on the patient's residence at the time the case was submitted to the registry.
- The data shown for "The United States" are the total of all specific metropolitan areas included in the data set. Those cases that are not reported under a specified MSA are in included in the "Other" category.
- MSAs are specified in the data if the total population was at least 500,000 persons for the most recent year in the time period presented, and if the state(s) where the MSA is located met the USCS publication criteria.
- Note that comparisons of the national counts and rates with other published reports may differ because some locations are not included in the data set. The 1999-2021 data include different areas in different years than the previous archive data sets.
  - The missing metropolitan locations are documented here: 1999-2021 Missing MSAs

1999-2020 Archive Missing MSAs

1999-2019 Archive Missing MSAs

1999-2018 Archive Missing MSAs

1999-2017 Archive Missing MSAs

1999-2016 Archive Missing MSAs

1999-2015 Archive Missing MSAs

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1999-2014 Archive Missing MSAs
  1999-2013 Archive Missing MSAs
  1999-2012 Archive Missing MSAs
  1999-2011 Archive Missing MSAs
  1999-2010 Archive Missing MSAs
  1999-2009 Archive Missing MSAs
  1999-2008 Archive Missing MSAs
  1999-2006 Archive Missing MSAs
  1999-2005 Archive Missing MSAs
  1999-2004 Archive Missing MSAs
  1999-2002 Archive Missing MSAs
• The included metropolitan statistical areas are documented at:
  1999-2021 MSAs
  1999-2020 Archive MSAs
  1999-2019 Archive MSAs
  1999-2018 Archive MSAs
  1999-2017 Archive MSAs
  1999-2016 Archive MSAs
  1999-2015 Archive MSAs
  1999-2014 Archive MSAs
  1999-2013 Archive MSAs
  1999-2012 Archive MSAs
  1999-2011 Archive MSAs
  1999-2010 Archive MSAs
  1999-2009 Archive MSAs
  1999-2008 Archive MSAs
  1999-2006 Archive MSAs
  1999-2005 Archive MSAs
  1999-2004 Archive MSAs
  1999-2002 Archive MSAs
```

· The codes and labels for each state shown in separate columns in data export files. To see the entire list of metropolitan areas with labels and code values, group by MSA and by Year.

# Step 3. Select year and demographics:

- Limit your data for any of the following data elements:
  1. Year 1999 through 2021 (2005 2021 for Puerto Rico)
  - 2. Age Group
  - 3. Race All, American Indian or Alaska Native, Asian or Pacific Islander, Black or African American, White, Other Races Combined (not available for Puerto Rico)
  - 4. Ethnicity Hispanic, Non-Hispanic, Unknown (not available for Puerto Rico)
  - 5. Sex All, Female, Male

Note: The Race and Ethnicity categories are not shown on the "Request Form" tab, when the round button is selected to show the "States and Puerto Rico" list in the "Select Locations" section on the "Request Form" tab.

Pick any combination of years desired. Data are available for years 1999 - 2021 for the United States, and for 2005 -2021 for Puerto Rico.

**How?** See How do I select items from the list box?.

### Age Group

Select All ages or any combination of the individual age groups.

#### **How?** See How do I select items from the list box?.

The following table shows the age group code values and descriptions, as specified for data export.

Description
< 1 year
1-4 years
5-9 years
10-14 years
15-19 years
20-24 years
25-29 years
30-34 years
35-39 years
40-44 years
45-49 years
50-54 years
55-59 years
60-64 years
65-69 years
70-74 years
75-79 years
80-84 years
85+ years

### Sex

Select All or any combination of values.

How? See How do I select items from the list box?.

### Note:

### · About genital system cancers:

Note that genital system cancers and breast cancers are sex-specific. The rates and population denominators for calculating rates represent the associated sex for the cancer site. Cells representing data for the other sex are labeled "Not Applicable." See About Genital System Cancers for more information.

The following table shows the age group code values and descriptions, as specified for data export.

Code	Description
F	Female
М	Male

### Race

Select All or any combination of values.

**How?** See How do I select items from the list box?.

# Notes:

- Race categories are not available for Puerto Rico.
- The "Other Races Combined and Unknown" racial category contains data for the "Other" and "Unknown" racial categories. Note that the previous releases of this data (1999-2005) included the "American Indian or Alaska Native" racial category within the "Other Races Combined" group.
- The "All" races option sums only all racial categories included in the data: "American Indian or Alaska Native,"
  "Asian or Pacific Islander," "Black or African American," "White," and "Other Races Combined and Unknown,"
  which aggregates the "Other" and "Unknown" racial categories.
- The data are coded to Public Health Information Network (PHIN) standard code values. The following table shows the race code values and descriptions, as specified for data export.

Code	Description
1002-5	American Indian or Alaska Native
A-PI	Asian or Pacific Islander
2054-5	Black or African American
2106-3	White
2131-1	Other Races Combined and Unknown

### **Ethnicity**

Select All or any combination of values.

**How?** See How do I select items from the list box?.

#### Notes:

- · Ethnicity categories are not available for Puerto Rico.
- Rates are not calculated for the "Unknown" category because population data are not available. The phrase "Not Applicable" is shown for in the rate and population cells.
- Ethnicity data are available starting with the 1999-2006 release of USCS Cancer Incidence, and not available for the preceding vintages.
- The data are coded to Public Health Information Network (PHIN) standard code values. The following table shows the race code values and descriptions, as specified for data export.

CodeDescription2135-2Hispanic2186-5Non-HispanicUNKUnknown

### Step 4. Select cancers of interest:

Limit your data for any of the following data elements:

- 1. Leading Cancer Sites
- 2. Cancer Sites
- 3. Childhood Cancers

### Allow all ages for Childhood Cancer request

Click this check box when you have selected Childhood Cancers and you want your data to include all ages, or to include any selected ages other than persons who are less than 20 years old. If this box is not checked (the default), then the data results are limited to persons 19 years of age or less.

How? See How do I change a "Check Box"?.

### **Childhood Cancers**

Select either "All Invasive Childhood Cancers Combined" or "All Childhood Cancers, invasive and in situ," or select any combination of the other values.

**How?** See How do I select items from the list box?.

### Notes:

- Choose Allow all ages for Childhood Cancer request when you wish to look at Childhood Cancers in persons older than 19 years of age.
- International Classification of Childhood Cancer (ICCC) is based on tumor morphology.
- Refer to International Classification of Childhood Cancer (ICCC) on the National Cancer Institute (NCI) website (seer.cancer.gov) for more information.
- See also International Classification of Childhood Cancer (ICCC) Group Morphology Topography Table.
- Childhood Cancer is usually studied in children who are less than age 20.
- "All Invasive Childhood Cancers Combined" are the summary or combined aggregate total for all invasive
  Childhood Cancers, except urinary bladder, which includes invasive and in situ. In situ breast cancers are not
  included in this aggregate category. Aggregate categories should not be shown in pie charts when subordinate
  categories are included in the same chart.
- The archive 1999-2002 incidence data has a slightly different set of Childhood Cancers codes and titles than used in later data releases.

The following table shows the International Classification of Childhood Cancer (ICCC) code values and descriptions used in the USCS incidence data, as specified for data export.

Code Description

0 All Invasive Childhood Cancers Combined

\*

10 I Leukemia

11 I(a) Lymphoid leukemias I(b) Acute myeloid leukemias 12 I(c) Chronic myeloproliferative 13 diseases I(d) Myelodysplastic syndrome and 14 other myeloproliferative I(e) Unspecified and other specified 15 leukemias II Lymphoma and reticuloendothelial 20 neoplasms 21 II(a) Hodgkin lymphoma II(b) Non-Hodgkin lymphoma 22 23 II(c) Burkitt lymphoma II(d) Miscellaneous lymphoreticular 24 neoplasms II(e) Unspecified lymphoma 25 III CNS and misc intracranial and 30 intraspinal neoplasms III(a) Ependymomas and choroid 31 plexus tumors 32 III(b) Astrocytomas III(c) Intracranial and intraspinal 33 embryonal tumors 34 III(d) Other gliomas III(e) Other specified 35 intracranial/intraspinal neoplasms III(f) Unspecified intracranial and 36 intraspinal neoplasms 40 IV Sympathetic nervous system tumors IV(a) Neuroblastoma and 41 ganglioneuroblastoma IV(b) Other sympathetic nervous 42 system tumors 50 V Retinoblastoma 60 VI Renal tumors VI(a) Nephroblastoma and other 61 nonepithelial renal tumors 62 VI(b) Renal carcinomas VI(c) Unspecified malignant renal 63 tumors 70 VII Hepatic tumor 71 VII(a) Hepatoblastoma 72 VII(b) Hepatic carcinomas VII(c) Unspecified malignant hepatic 73 80 VIII Malignant bone tumors VIII(a) Osteosarcoma 81 82 VIII(b) Chrondosarcoma VIII(c) Ewing tumor and related 83 sarcomas of bone VIII(d) Other specified malignant 84 bone tumors VIII(e) Unspecified malignant bone 85 tumors 90 IX Soft-tissue sarcomas 91 IX(a) Rhabdomyosarcomas IX(b) Fibrosarcomas, peripheral nerve 92 & other fibrous 93 IX(c) Kaposi sarcoma IX(d) Other specified soft-tissue 94 sarcomas 95 IX(e) Unspecified soft-tissue sarcomas X Germ-cell, trophoblastic and other 100 gonadal neoplasms X(a) Intracranial and intraspinal 101 germ-cell tumors X(b) Extracranial & extragonadal germ 102 cell tumors X(c) Malignant gonadal germ-cell 103 tumors 104 X(d) Gonadal carcinomas X(e) Other and unspecified malignant 105 gonadal tumors XI Carcinomas and other malignant 110 epithelial neoplasms XI(a) Adrenocortical carcinomas 111 XI(b) Thyroid carcinomas 112 113 XI(c) Nasopharyngeal carcinomas XI(d) Malignant melanomas 114 115 XI(e) Skin carcinomas XI(f) Other and unspecified 116 carcinomas

120 XII Other and unspecified malignant neoplasms XII(a) Other specified malignant 121 tumors XII(b) Other unspecified malignant 122 tumors 253 Not classified by ICCC or in situ In Situ Breast Cancer 254 254F Female Breast, In Situ \* 254M Male Breast, In Situ \* \* Data for in situ Breast Cancers are listed separately from other Childhood Cancers and not included in the "All Invasive Childhood Cancers Combined" category.

### **Cancer Sites**

Select either "All Sites, invasive and in situ" or "All Invasive Cancer Sites Combined," or select any combination of the other values.

**How?** See How do I select items from the list box?.

### Notes:

- · The primary cancer site is the organ of origin within the body where a given cancer occurs in an individual.
- Information on primary site, behavior, and histology was coded according to the International Classification of Diseases for Oncology, Third Edition (ICD-O-3) and categorized according to the revised SEER recodes, which define standard groupings of primary cancer sites. Beginning with 2010 diagnoses, cases are coded based on ICD-O-3 updated for hematopoetic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).
- About the "All Invasive Cancer Sites Combined" category:

"All Invasive Cancer Sites Combined" are the summary or combined aggregate total for all invasive cancer sites, except urinary bladder, which includes invasive and *in situ*. Data for *in situ* breast cancers are listed separately from invasive cancers and are not included in the "All Invasive Cancer Sites Combined" nor in the "Male and Female Breast" cancer categories. The "Show Totals" control on the Table screen is disabled when aggregate values are displayed. Note that pies charts and data distributions in maps are affected by the inclusion of the "All Invasive Cancer Sites Combined" aggregate data.

About sex-specific breast and genital system cancers:

Note that genital system cancers and breast cancers are sex-specific. The rates and population denominators for calculating rates represent the associated sex for the cancer site. Cells representing data for the other sex are labeled "Not Applicable."

The Cancer Site sex-specific cancers are:

Female Genital System Cervix Uteri Corpus Uteri Uterus, Not Otherwise Specified Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Breast cancers: Female Breast Male Breast Female Breast, In Situ Male Breast, In Situ

The following table shows the Cancer Site code values and descriptions, as specified for data export. Whenever applicable, the revised SEER Cause of Death Recodes are used.

Code	Description
0	All Invasive Cancer Sites Combined *
20010-20100	Oral Cavity and Pharynx
20010	Lip
20020	Tongue
20030	Salivary Gland
20040	Floor of Mouth
20050	Gum and Other Mouth

20060	
	Nacapharupy
	Nasopharynx
20070	Tonsil
20080	Oropharynx
20090	Hypopharynx
20100	Other Oral Cavity and Pharynx
21010-21130	Digestive System
21010	Esophagus
21020	Stomach
21030	Small Intestine
21041-21052	Colon and Rectum
21041-21049	Colon excluding Rectum
21041	Cecum
21042	Appendix
21043	Ascending Colon
21044	Hepatic Flexure
21045	Transverse Colon
21046	Splenic Flexure
21047	Descending Colon
21048	Sigmoid Colon
21049	Large Intestine, NOS
21051-21052	Rectum and Rectosigmoid Junction
21051 21052	Rectosigmoid Junction
	_
21052	Rectum
21060	Anus, Anal Canal and Anorectum
21071-21072	Liver and Intrahepatic Bile Duct
21071	Liver
21072	Intrahepatic Bile Duct
21080	Gallbladder
21090	Other Biliary
21100	Pancreas
21110	Retroperitoneum
21120	Peritoneum, Omentum and Mesentery
21120	Other Digestive Organs
22010-22060	Respiratory System
22010	Nose, Nasal Cavity and Middle Ear
22020	Larynx
22030	Lung and Bronchus
22050	Pleura
22060	Trachea, Mediastinum and Other Respiratory
22060	Organs
23000	Bones and Joints
24000	Soft Tissue including Heart
25010-25020	Skin excluding Basal and Squamous
25010 25020	Melanoma of the Skin
25020	Other Non-Epithelial Skin
	•
46	Male and Female Breast *
26000-Female	Female Breast *
26000-Male	Male Breast *
27010-27070	Female Genital System
27010	Cervix Uteri
	Camaria I Ibani
27020	Corpus Uteri
27020 27030	Uterus, not otherwise specified (NOS)
27030	Uterus, not otherwise specified (NOS)
27030 27040	Uterus, not otherwise specified (NOS) Ovary
27030 27040 27050	Uterus, not otherwise specified (NOS) Ovary Vagina
27030 27040 27050 27060	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva
27030 27040 27050 27060 27070	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs
27030 27040 27050 27060 27070 28010-28040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System
27030 27040 27050 27060 27070 28010-28040 28010	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate
27030 27040 27050 27060 27070 28010-28040 28010	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040 29010	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29010 29020 29030 29040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29010 29020 29030 29040 30000	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31040 32010-32020	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29010 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32020 33011-33042	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010 32020 33011-33042 33011-33012	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin lymphoma
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31040 32010-32020 32010 32020 33011-33042 33011	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin lymphoma Hodgkin - Nodal
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010 32020 33011-33042 33011-33012	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin lymphoma
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31040 32010-32020 32010 32020 33011-33042 33011	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin lymphoma Hodgkin - Nodal
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31040 32010-32020 33011-33042 33011 33012	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin Iymphoma Hodgkin - Nodal Hodgkin - Extranodal
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010 32020 33011-33042 33011 33012 33041-33042 33041	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin Iymphoma Hodgkin - Nodal Hodgkin - Extranodal Non-Hodgkin Lymphoma
27030 27040 27050 27060 27070 28010-28040 28010 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010 32020 33011-33042 33011 33012 33041 33042	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin lymphoma Hodgkin - Nodal Hodgkin - Extranodal Non-Hodgkin Lymphoma NHL - Nodal NHL - Extranodal
27030 27040 27050 27060 27070 28010-28040 28020 28030 28040 29010-29040 29020 29030 29040 30000 31010-31040 31010 31040 32010-32020 32010 32020 33011-33042 33011 33012 33041-33042 33041	Uterus, not otherwise specified (NOS) Ovary Vagina Vulva Other Female Genital Organs Male Genital System Prostate Testis Penis Other Male Genital Organs Urinary System Urinary Bladder, invasive and in situ ¶ Kidney and Renal Pelvis Ureter Other Urinary Organs Eye and Orbit Brain and Other Nervous System Brain Cranial Nerves Other Nervous System Endocrine System Thyroid Other Endocrine including Thymus Lymphomas Hodgkin Lymphoma Hodgkin - Nodal Non-Hodgkin Lymphoma NHL - Nodal

35011	Acute Lymphocytic Leukemia
35012	Chronic Lymphocytic Leukemia
35021	Acute Myeloid Leukemia
35022	Chronic Myeloid Leukemia
35041-35043	Other Leukemias
35013	Other Lymphocytic Leukemia
35031	Acute Monocytic Leukemia
35041	Other Acute Leukemia
35043	Aleukemic, Subleukemic and not
33043	otherwise specified (NOS)
35023	Other Myeloid/Monocytic Leukemia
36010	Mesothelioma
36020	Kaposi Sarcoma
37000	Miscellaneous
Breast-InSitu	In Situ Breast Cancer *
Breast-InSitu-Female	Female Breast, In Situ *
Breast-InSitu-Male	Male Breast, In Situ *
Notes:	

Notes:

\* Data for *in situ* Breast Cancers are listed separately from Breast Cancers and not included in the "All Invasive Cancer Sites Combined" category. The *in situ* Breast Cancer categories are not included in the 1999-2002 Archive Cancer Incidence data.

 $\P$  Urinary Bladder includes invasive and in situ.

### Leading Cancer Sites (by Race and Sex)

Select either "All Leading Invasive Cancers Sites" or "All Leading Invasive Cancer Sites Combined," or select any combination of the other values.

How? See How do I select items from the list box?.

### Notes:

- This list contains only the top or leading cancer sites, meaning the primary cancers with the highest incidence for each race and sex.
- The primary cancer site is the organ of origin within the body where a given cancer occurs in an individual.

### About All Sites Combined:

"All Invasive Leading Cancer Sites Combined" are the summary or combined aggregate total for all invasive leading cancer sites, except urinary bladder, which includes invasive and *in situ*. *In situ* breast cancers are not included in the invasive cancers category. The "Show Totals" control on the Table screen is disabled when aggregate values are displayed. Note that pies charts and data distributions in maps are affected by the inclusion of the "All Leading Sites Combined" aggregate data.

## About genital system cancers:

Note that genital system cancers are sex specific, thus rates and population denominators represent the associated sex. Cells representing data for the opposite sex display a "Not Applicable" label. The following genital system cancers are included in the Leading Cancers Sites list:

Cervix Uteri

Corpus Uteri

Ovary

Prostate

The following table shows the Leading Cancers code values and descriptions, as specified for data export. Whenever applicable, the revised SEER Cause of Death Recodes dated March 1, 2018 are used.

Description
Brain and Other Nervous System
Breast
Cervix Uteri
Colon and Rectum
Corpus Uteri
Esophagus
Gallbladder
Kidney and Renal Pelvis
Larynx
Leukemias
Liver
Lung and Bronchus
Melanoma of the Skin
Myeloma
Non-Hodgkin Lymphoma
Oral Cavity and Pharynx
Ovary

21100	Pancreas
28010	Prostate
21020	Stomach
32010	Thyroid
29010	Urinary Bladder, invasive and in situ
	Notes:
	Data for in situ Breast Cancers are listed separately
*	from Breast Cancers and not included in the "all invasive
	cancer sites combined" category.

### Step 5. Other options:

Export Results: If checked, then query results are exported to a local file. More information on how to import this

file into other applications can be found here.

**Show Totals:** If checked totals and sub-totals will appear in the results table.

Show Zero Values: If checked rows containing zero counts will appear in the results table. If unchecked, zero count

rows are hidden.

**Precision:** Select the precision for rate calculations. When the rate calculated for a small numerator

(incidence count) is zero, you may increase the precision to reveal the rate by showing more

numbers to the right of the decimal point.

Data Access This value specifies the maximum time to wait for the data access for a query to complete. If the Timeout: data access takes too long to complete, a message will be displayed and you can increase the

timeout or simplify your request. If you can't complete a request using the maximum timeout, contact user support and we will try to run a custom data request for you.

Populations for Age-Adjusted Rates:

Populations for Select the standard population used to calculate age-adjusted rates. See Age-Adjusted Rates for

**Age-Adjusted** more information.

#### **Data Source Information**

### Incidence Data Sources:

The United States Cancer Statistics are the official government statistics on cancer. These statistics include cancer registry data from CDC's National Program of Cancer Registries (NPCR) and the National Cancer Institute's (NCI) Surveillance, Epidemiology, and End Results (SEER) Program, as well as mortality data from CDC's National Center for Health Statistics. The statistics provide information on newly diagnosed cancer cases and cancer deaths for the whole U.S. population. For a list of all USCS contributors and partners, visit USCS Contributors.

Data are provided by:

- The Centers for Disease Control and Prevention National Program of Cancer Registries (NPCR)
- The National Cancer Institute Surveillance, Epidemiology and End Results (SEER) program

Data for years 1999 - 2021 are provided in the 2023 data submission.

To learn more about the methods and source of these data please refer to:

- United States Cancer Statistics (USCS) website
- National Program of Cancer Registries (NPCR) website
- Surveillance, Epidemiology and End Results (SEER) website
- Additional technical information: United States Cancer Statistics Technical Notes

### Population Denominator Data Sources:

### **United States:**

The population estimates for the denominators of incidence rates are race-specific (American Indian or Alaska Native, Asian or Pacific Islander, Black or African American, White), ethnicity-specific (Hispanic, Non-Hispanic) and sex-specific (Female, Male) county population estimates aggregated to the state or metropolitan area level. The population estimates are a slight modification of the annual time series of July 1 county population estimates (by age, sex, race, and Hispanic origin) produced by the Population Estimates Program of the U.S. Bureau of the Census (Census Bureau) with support from the National Cancer Institute (NCI) through an interagency agreement.

For more information on the Census Bureau's population estimates and documentation of the procedures used to develop them, see SEER - US Population Data.

In general, July 1 population estimates are used to calculate annual incidence and death rates because these estimates are considered to reflect the average population of a defined geographic area for a calendar year. However, the populations of many counties along the Gulf Coast of Louisiana, Alabama, Mississippi, and Texas were displaced in the fall of 2005 by hurricanes Katrina and Rita. The Census Bureau estimates that 203,937 persons were displaced from these four states in 2005.

Incidence data are not available for all states in all years, and the state populations are excluded from the national totals when the corresponding incidence data are not available. For more information, see Data Visualizations Tool Technical Notes.

### **Puerto Rico**

Population estimates used in the calculation of Puerto Rico incidence and death rates are sex-specific, and are not available by race or ethnicity. Population estimates for Puerto Rico for years 2006-2009 are July 1st intercensal estimates of the resident population by sex and age for Puerto Rico, years 2000-2010, released by the U.S. Census Bureau Population Division in September 2011. Population estimates for Puerto Rico for years 2010-2021 are July 1st postcensal estimates of the resident population by sex and age for United States and Puerto Rico Commonwealth, years 2010-2021, released by the U.S. Census Bureau Population Division in May 2022: "Annual Estimates of the Resident Population by Single Year of Age and Sex for the United States, States, and Puerto Rico Commonwealth: April 1, 2010 to July 1, 2020." Please note that for the 2017 year, only half of the annual population estimate for Puerto Rico is used as the denominator to calculate incidence rates. Please see impact of Hurricane Maria in 2017 for more information.

#### **Additional Information**

Suggested Data Source Citations: United States Cancer Statistics - Incidence: 1999-2021, WONDER Online Database. United States Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2023 submission; 2024 release.

Contact:

USCSData@CDC.gov.

### Confidentiality:

The following rules are applied in order to protect personal privacy:

- Data are suppressed if the figures represent fewer than 16 cases for the specific category.
- Counts and rates are suppressed for cells at the Metropolitan Statistical Area (MSA) level showing the "American Indian or Alaska Native" racial category, the "Asian or Pacific Islander" racial category, when the specific category's population for rate calculations is less than 50,000 persons.
- Data are suppressed at the state and MSA level for certain race and ethnicity groups:
  - American Indian or Alaska Native data are suppressed at the state and MSA level for Illinois, Kansas, New Jersey, and New York;
  - Asian or Pacific Islander are suppressed at the state and MSA level for residents of Kansas for 1999;

States decide whether to suppress data for specific race and ethnicity categories. The suppression criteria may vary in previous releases of these data.

### See Also:

- United States Cancer Statistics (USCS) website
- National Program of Cancer Registries (NPCR) website
- Surveillance, Epidemiology and End Results (SEER) website
- Guidance for Comparing States' Cancer Data
- · United States Cancer Statistics Glossary

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This information is provided as technical reference material. Please contact us at cwus@cdc.gov.