

# Pathway for link to WHO data:

1. Go to the WHO website: <https://www.who.int/>
2. Go to the “Data” drop down menu and choose the “Global Health Observatory.”
3. Go to “Indicators” page and then scroll to the bottom and click on the link for accessing the “old” Global Health Observatory data. This link is directly under the list of indicators in the new system. If you cannot find the link to the old system, use this direct link:  
<https://apps.who.int/gho/data/node.main>
4. Click on “Mortality and global health estimates.” Direct link:  
<https://apps.who.int/gho/data/node.main.686?lang=en>

## Alternate direct link for WHO data:

Or simply open the following link:

<https://apps.who.int/gho/data/node.main.1?lang=en>

# Life Expectancy Comparison:

العربي 中文 **English** Français Русский Español



Home Health topics **Data** Media centre Publications Countries Programmes Governance About WHO  Search

## Global Health Observatory data repository

Data analysis

By theme

**By category**

By indicator

By country

Metadata

About the Observatory

Search

By category

### World Health Statistics

In this section:

- Population
- Current health expenditure (CHE)
- **Life expectancy and Healthy life expectancy**
- SDG Target 3.1 | Maternal mortality
- SDG Target 3.2 | Newborn and child mortality
- SDG Target 3.3 | Communicable diseases
- SDG Target 3.4 | Noncommunicable diseases and mental health
- SDG Target 3.5 | Substance abuse
- SDG Target 3.6 | Road traffic injuries
- SDG Target 3.7 | Sexual and reproductive health
- SDG Target 3.8 | Achieve universal health coverage (UHC), including financial risk protection
- SDG Target 3.9 | Mortality from environmental pollution
- SDG Target 3.a | Tobacco control
- SDG Target 3.b | Development assistance and vaccine coverage
- SDG Target 3.c | Health workforce
- SDG Target 3.d | National and global health risks
- SDG Target 1.a | Mobilization of resources
- SDG Target 2.2 | Child malnutrition
- SDG Target 5.2.1 | Eliminate violence against women and girls
- SDG Target 6.a | Water- and sanitation-related capacity-building
- SDG Target 6.1 | Drinking water
- SDG Target 6.2 | Sanitation and hygiene
- SDG Target 7.1 | Clean household energy
- SDG Target 11.6 | Clean cities

← Open this link



# Life Expectancy Comparison:

The screenshot shows the WHO Global Health Observatory data repository interface. At the top, there are navigation options in multiple languages: عربي, 中文, English, Français, Русский, and Español. Below that is the WHO logo and a search bar. The main navigation bar includes links for Home, Health topics, Data (highlighted), Media centre, Publications, Countries, Programmes, Governance, and About WHO. The main heading is 'Global Health Observatory data repository'.

On the left, a sidebar contains navigation options: Data analysis, By theme, By category (highlighted), By indicator, By country, Metadata, About the Observatory, and Search. The main content area is titled 'Life expectancy and Healthy life expectancy Data by country'. It includes a 'By category > World Health Statistics' breadcrumb, a sub-heading 'Also available:', and a link for 'Data by WHO region'.

The data table is filtered for 'Afghanistan' and '2000'. The columns are organized into groups: 'Country', 'Year', 'Life expectancy at birth (years)', 'Life expectancy at age 60 (years)', 'Healthy life expectancy (HALE) at birth (years)', and 'Healthy life expectancy (HALE) at age 60 (years)'. Each of these groups has sub-columns for 'Both sexes', 'Male', and 'Female'. The table shows values for Afghanistan in 2000, with HALE at birth being 11.0, 10.6, and 11.3 for both sexes, males, and females respectively.

A modal window is open over the table, titled 'Available dimensions' and 'Options'. It allows filtering by 'Indicator', 'Sex', 'Country', and 'Year'. Under 'Options', 'Life expectancy at birth (years)' is checked, while the other options are unchecked. A blue arrow points from the text 'Choose the indicator' to the 'Indicator' dropdown menu. Another blue arrow points from the 'Apply filter' button to the 'Apply' button in the modal. At the bottom of the modal, there are links for 'Clear all', 'Apply', and 'Cancel'.

# Life Expectancy Comparison:

The screenshot shows the WHO Global Health Observatory data repository interface. At the top, there are language options: عربي, 中文, English, Français, Русский, and Español. The WHO logo and name are prominently displayed. Below the navigation bar, the page title is "Global Health Observatory data repository".

The main content area is titled "Life expectancy and Healthy life expectancy Data by country". It includes a sidebar with navigation options: Data analysis, By theme, By category, By indicator, By country, Metadata, About the Observatory, and Search. The "By category" option is highlighted.

The main content area also includes a "filter table | reset table" link and a "Last updated: 2020-09-28" timestamp. There are download options for filtered data (CSV table, XML (simple), JSON (simple)) and complete data set (CSV table, Excel, CSV list, more...).

The data table shows life expectancy at birth (years) for both sexes, male, and female. The table is filtered for the year 2016. The values are: Both sexes: 62.7, Male: 61.0, Female: 64.5.

A filter overlay is shown, allowing users to select dimensions and options. The "Available dimensions" list includes Indicator, Sex, Country, and Year. The "Options" list includes Both sexes (checked), Male, and Female. A blue arrow points from the text "Choose the gender" to the "Sex" dimension in the filter overlay. Below the filter overlay, there is a blue arrow pointing to the "Apply filter" button.

**Choose the gender**

Country	Year	Life expectancy at birth (years) <sup>1</sup>		
		Both sexes	Male	Female
	2016	62.7 <sup>1</sup>	61.0 <sup>1</sup>	64.5 <sup>1</sup>
		61.8 <sup>1</sup>	61.7 <sup>1</sup>	64.7 <sup>1</sup>
		61.5 <sup>1</sup>	64.1 <sup>1</sup>	64.4 <sup>1</sup>
		60.9 <sup>1</sup>	63.6 <sup>1</sup>	64.1 <sup>1</sup>
		60.5 <sup>1</sup>	63.6 <sup>1</sup>	63.6 <sup>1</sup>
		59.9 <sup>1</sup>	62.5 <sup>1</sup>	63.1 <sup>1</sup>
		59.5 <sup>1</sup>	62.1 <sup>1</sup>	62.5 <sup>1</sup>
		59.0 <sup>1</sup>	61.6 <sup>1</sup>	62.1 <sup>1</sup>
		59.0 <sup>1</sup>	61.6 <sup>1</sup>	61.6 <sup>1</sup>
		58.4 <sup>1</sup>	61.0 <sup>1</sup>	61.0 <sup>1</sup>
		58.4 <sup>1</sup>	61.0 <sup>1</sup>	61.0 <sup>1</sup>
	2006	59.2 <sup>1</sup>	58.0 <sup>1</sup>	60.5 <sup>1</sup>

# Life Expectancy Comparison:

عربي 中文 **English** Français Русский Español



## Global Health Observatory data repository

- Data analysis
- By theme
- By category**
- By indicator
- By country
- Metadata
- About the Observatory
- Search

By category > World Health Statistics

### Life expectancy and Healthy life expectancy Data by country

Also available:

– Data by WHO region

filter table | reset table  
Last updated: 2020-09-28

Download filtered data as: CSV table | XML (simple) | JSON (simple)  
Download complete data set as: CSV table | Excel | CSV list | more...

		Life expectancy at birth (years) <sup>1</sup>	
	Country	Year	Both sexes
		2016	62.7 <sup>1</sup>
			63.2 <sup>1</sup>
			63.0 <sup>1</sup>
			62.7 <sup>1</sup>
			62.2 <sup>1</sup>
			61.7 <sup>1</sup>
			61.2 <sup>1</sup>
			60.7 <sup>1</sup>
			60.2 <sup>1</sup>
			59.6 <sup>1</sup>

Choose the year



Available dimensions

- Indicator
- Sex
- Country
- Year**

Options

- 2016
- 2015
- 2014
- 2013
- 2012
- 2011
- 2010
- 2009
- 2008

Apply filter

Clear all | Apply | Cancel

# Life Expectancy Comparison:

Data analysis

By theme

By category

By indicator

By country

Metadata

About the Observatory

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By category > World Health Statistics

## Life expectancy and Healthy life expectancy Data by country

Also available:

– Data by WHO region

Download the data



[filter table](#) | [reset table](#)  
Last updated: 2020-09-28

Download filtered data as: [CSV table](#) | [XML \(simple\)](#) | [JSON \(simple\)](#)  
Download **complete** data set as: [CSV table](#) | [Excel](#) | [CSV list](#) | [more...](#)

		Life expectancy at birth (years) <sup>1</sup>
Country	Year	Both sexes
Afghanistan	2000	55.9 <sup>1</sup>
Albania	2000	73.1 <sup>1</sup>
Algeria	2000	70.8 <sup>1</sup>
Angola	2000	47.3 <sup>1</sup>
Antigua and Barbuda	2000	72.5 <sup>1</sup>
Argentina	2000	74.0 <sup>1</sup>
Armenia	2000	71.7 <sup>1</sup>
Australia	2000	79.6 <sup>1</sup>
Austria	2000	78.4 <sup>1</sup>
Azerbaijan	2000	66.5 <sup>1</sup>
Bahamas	2000	72.0 <sup>1</sup>
Bahrain	2000	73.2 <sup>1</sup>
Bangladesh	2000	65.5 <sup>1</sup>
Barbados	2000	73.4 <sup>1</sup>



## Life Expectancy Comparison:

Follow the same procedure for downloading two files for life expectancy by gender, then copy and paste these items to the same excel file so you can compare differences by gender. These are the items:

- Male life expectancy at birth in 2016
- Female life expectancy at birth in 2016

## Life expectancy by gender in alphabetical order:

	A	B	C	D
1		Life expectancy at birth (years)		
2	Countries,	Male	Female	subtract
3	Afghanista	63.3	63.2	-0.1
4	Albania	76.3	79.9	3.6
5	Algeria	76.2	78.1	1.9
6	Angola	60.7	65.5	4.8
7	Antigua an	74.9	78	3.1
8	Argentina	73.5	79.5	6

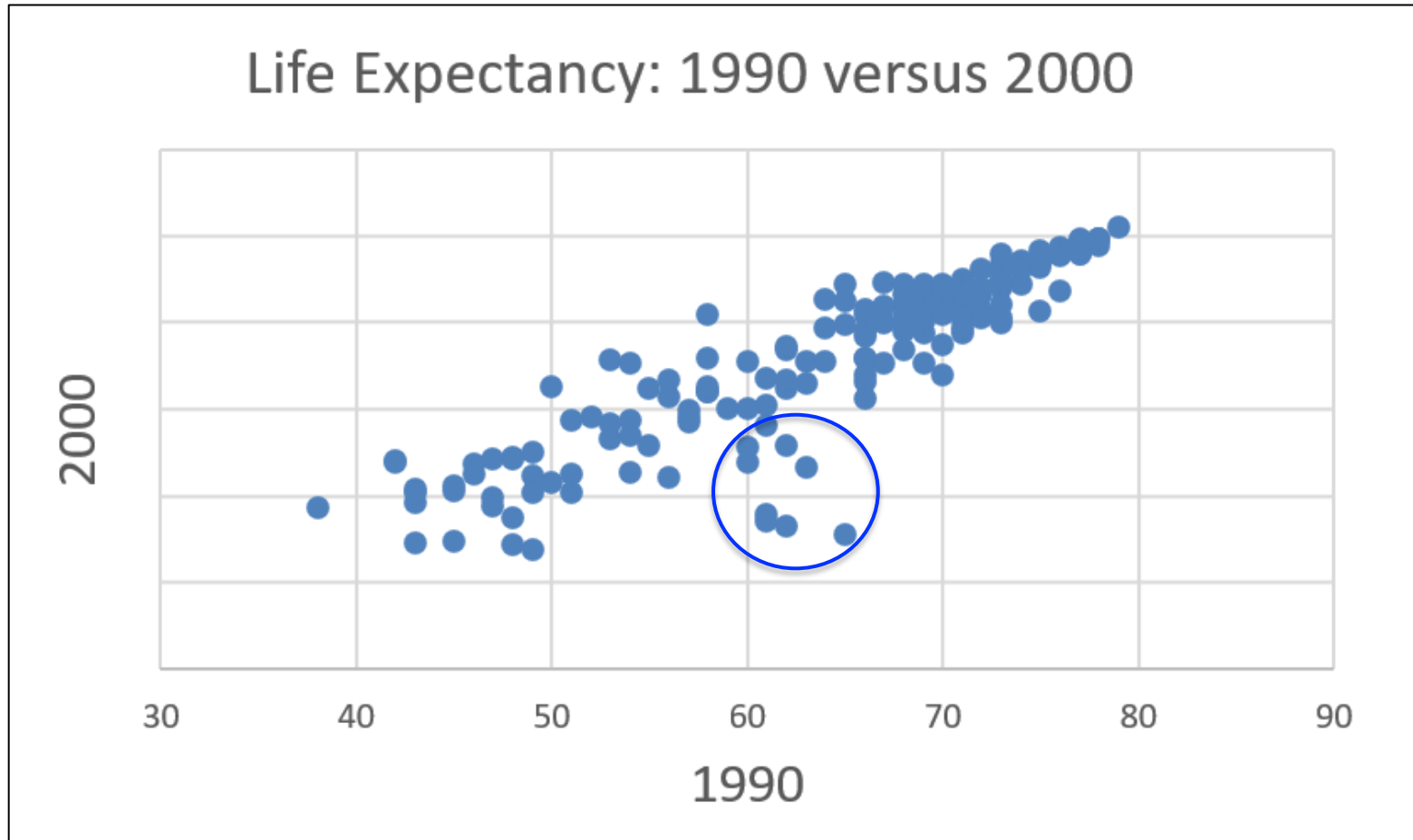
## Life expectancy by gender ordered by difference (smallest difference):

	A	B	C	D
1	Qatar	78	76.6	-1.4
2	Afghanistan	63.3	63.2	-0.1
3	Mauritania	68.1	68.7	0.6
4	Mali	62.2	63.4	1.2
5	Haiti	63.3	64.8	1.5
6	Congo	63.8	65.6	1.8
7	Jordan	77	78.8	1.8

## Life expectancy by gender ordered by difference (biggest difference):

	A	B	C	D
174	El Salvador	70.6	79.1	8.5
175	Viet Nam	69.6	78.1	8.5
176	Georgia	68.8	77.8	9
177	Mongolia	63.8	72.8	9
178	Latvia	70.6	79.8	9.2
179	Lithuania	71.2	80.4	9.2
180	Eswatini	53.4	63.2	9.8
181	Russian Fe	68.2	78	9.8
182	Ukraine	68	77.8	9.8
183	Belarus	69.7	79.6	9.9
184	Countries, Male		Female	subtract

## Life expectancy by graphed by decade:



Why did life expectancy decline in these nations from 1990-2000?

## Highest obesity rates according to WHO:

	A	B	C
180	Lebanon	67.9 [63.5-71.9]	
181	United States	67.9 [64.5-71.1]	
182	Jordan	69.6 [66.0-73.2]	
183	Saudi Arabia	69.7 [65.9-73.4]	
184	Qatar	71.7 [67.0-76.1]	
185	Kuwait	73.4 [69.7-77.0]	
186	Micronesia	75.9 [71.5-80.0]	
187	Samoa	77.6 [73.4-81.6]	
188	Tonga	78.5 [74.3-82.5]	
189	Kiribati	78.7 [74.6-82.6]	
190	Niue	80.0 [76.0-83.7]	
191	Tuvalu	81.9 [78.1-85.3]	
192	Marshall Islands	83.5 [80.0-86.7]	
193	Cook Islands	84.7 [81.4-87.7]	
194	Palau	85.1 [81.7-88.1]	
195	Nauru	88.5 [85.6-91.0]	

## CDC Website Navigation:

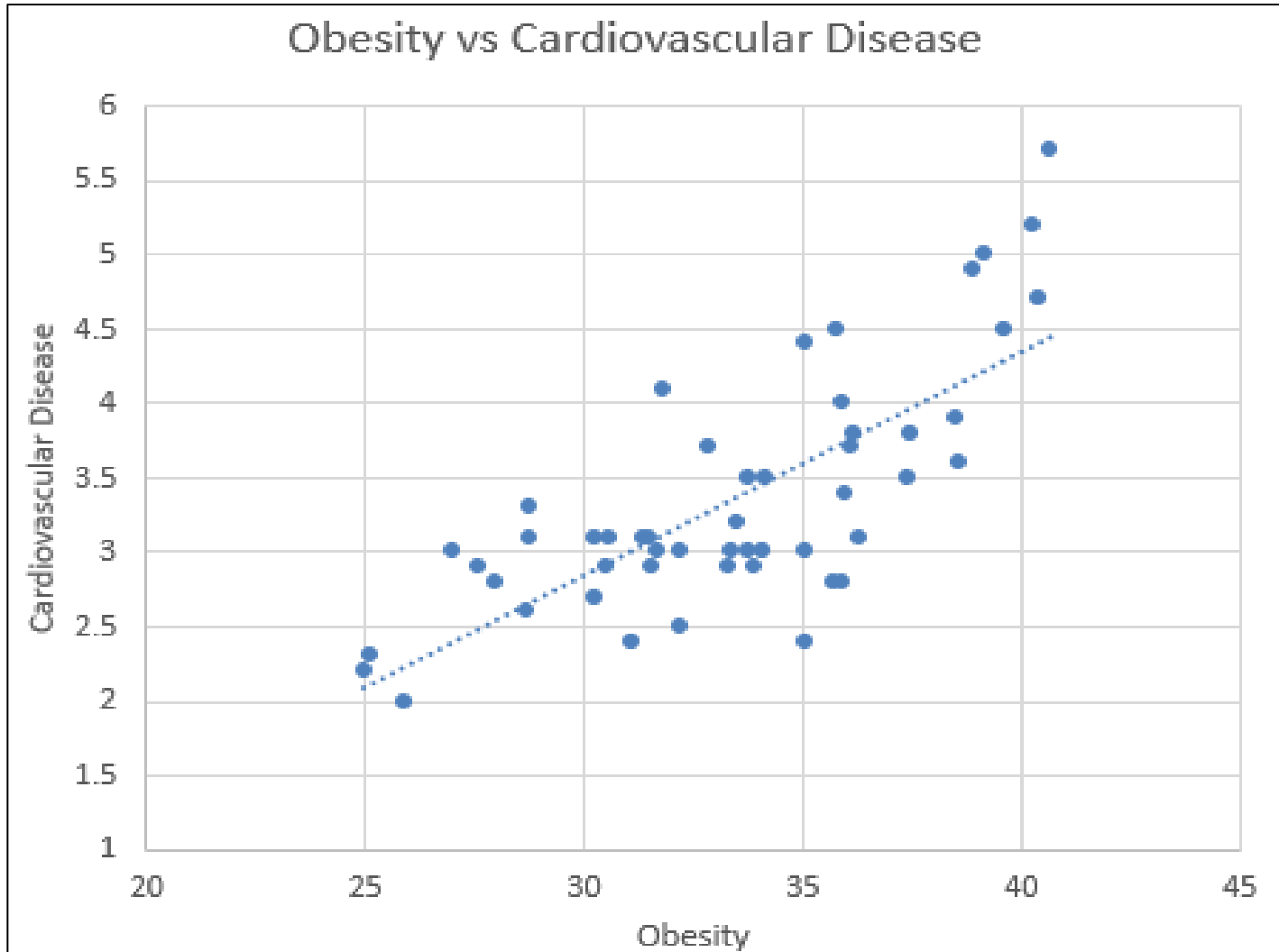
1. Go to the Centers for Disease Control website:  
[www.cdc.gov](http://www.cdc.gov)
2. To collect data on risk factors, open the link for “**Data & Statistics**”, then open the link for “**Overweight and Obesity.**”
3. Scroll down below the map to “**Additional Resources**” and then click on “**Behavioral Risk Factor Surveillance System (BRFSS).**”
4. Under the heading for “**Prevalence Data and Data Analysis Tools**” open the link for “**Prevalence and Trends Data.**” This takes you to an interactive website. Here is the direct link: <https://www.cdc.gov/brfss/brfssprevalence/index.html>

## Portion of spreadsheet based on data compiled from CDC:

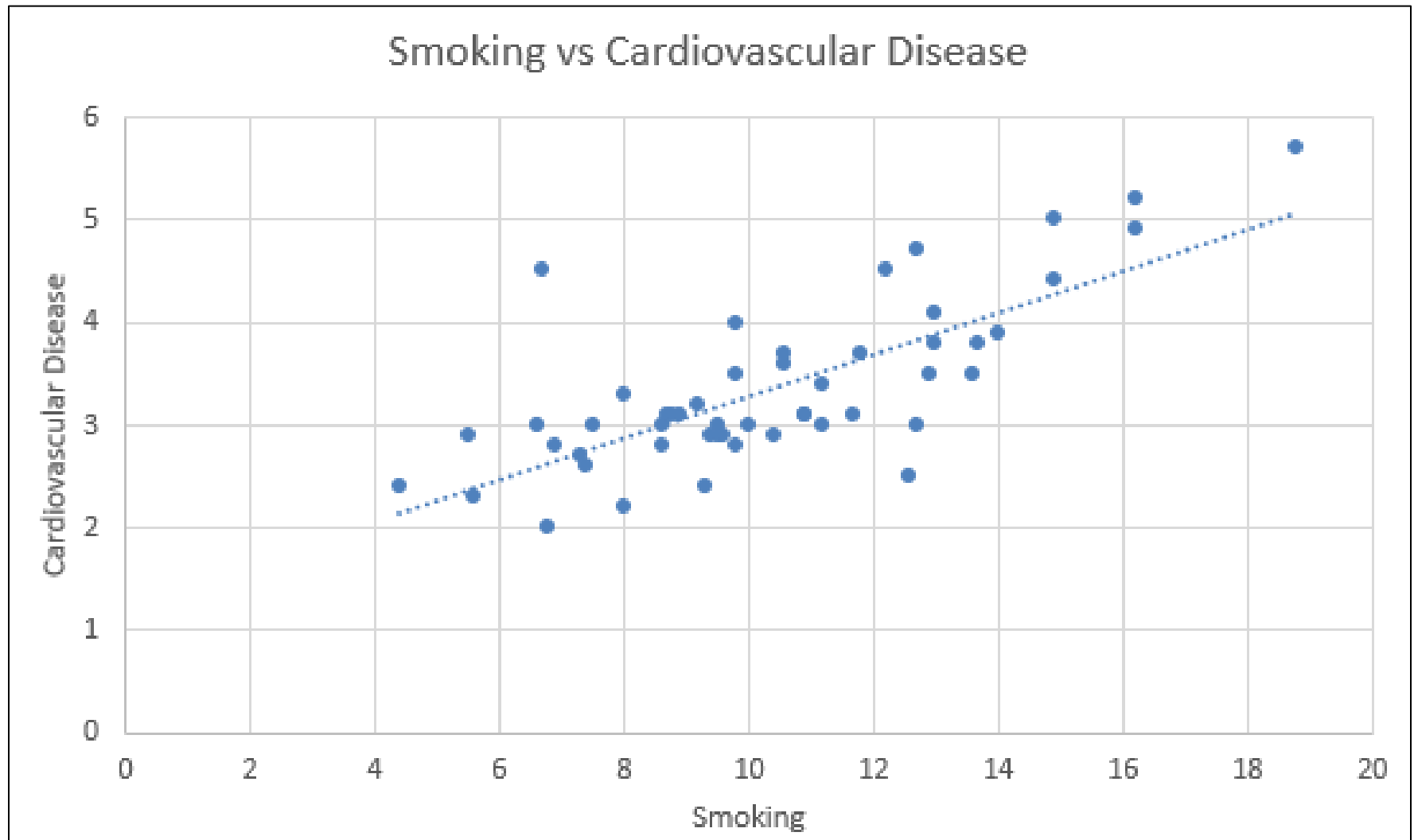
	A	B	C	D	E	F
1	Location	exercise	obese	cardiovasc.	smoke	lung cancer
2	Alabama	70.2	40.4	4.7	12.7	70.6
3	Alaska	79.9	33.4	3	12.7	64.6
4	Arizona	77.9	31.4	3.1	8.7	52
5	Arkansas	70.7	38.9	4.9	16.2	79
6	California	80.1	27.6	2.9	5.5	48.2
7	Colorado	83.6	25	2.2	8	46.2
8	Connecticut	77.8	30.3	2.7	7.3	63.6
9	Delaware	73.8	33.5	3.2	9.2	72
10	District of Columbia	83.8	25.1	2.3	5.6	57.5
11	Georgia	77.1	33.8	3.5	9.8	68.1
12	Hawaii	80.6	25.9	2	6.8	48.2
13	Idaho	80.1	31.7	3	9.5	52.6



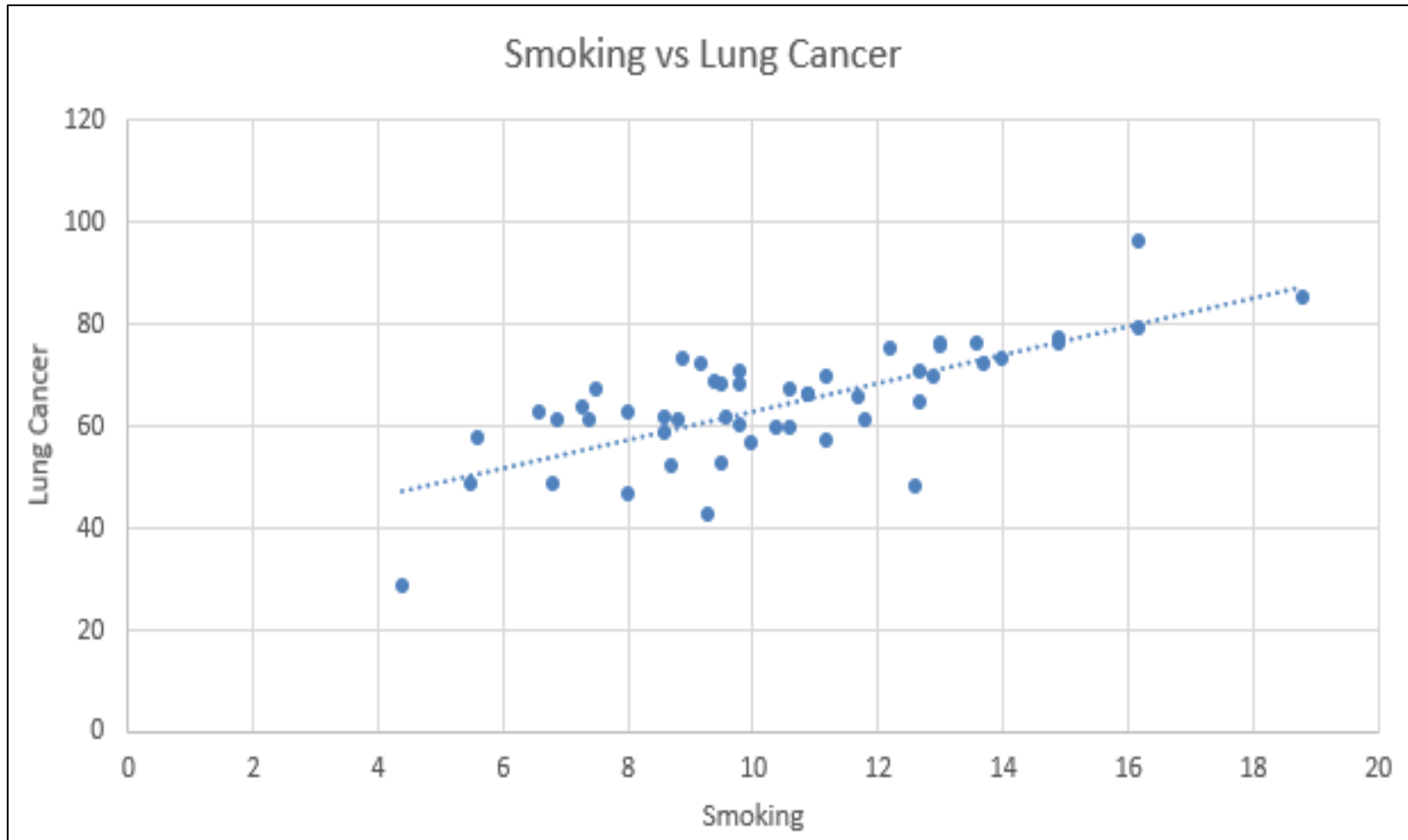
# Scatterplot Sample 1: Cause & effect?



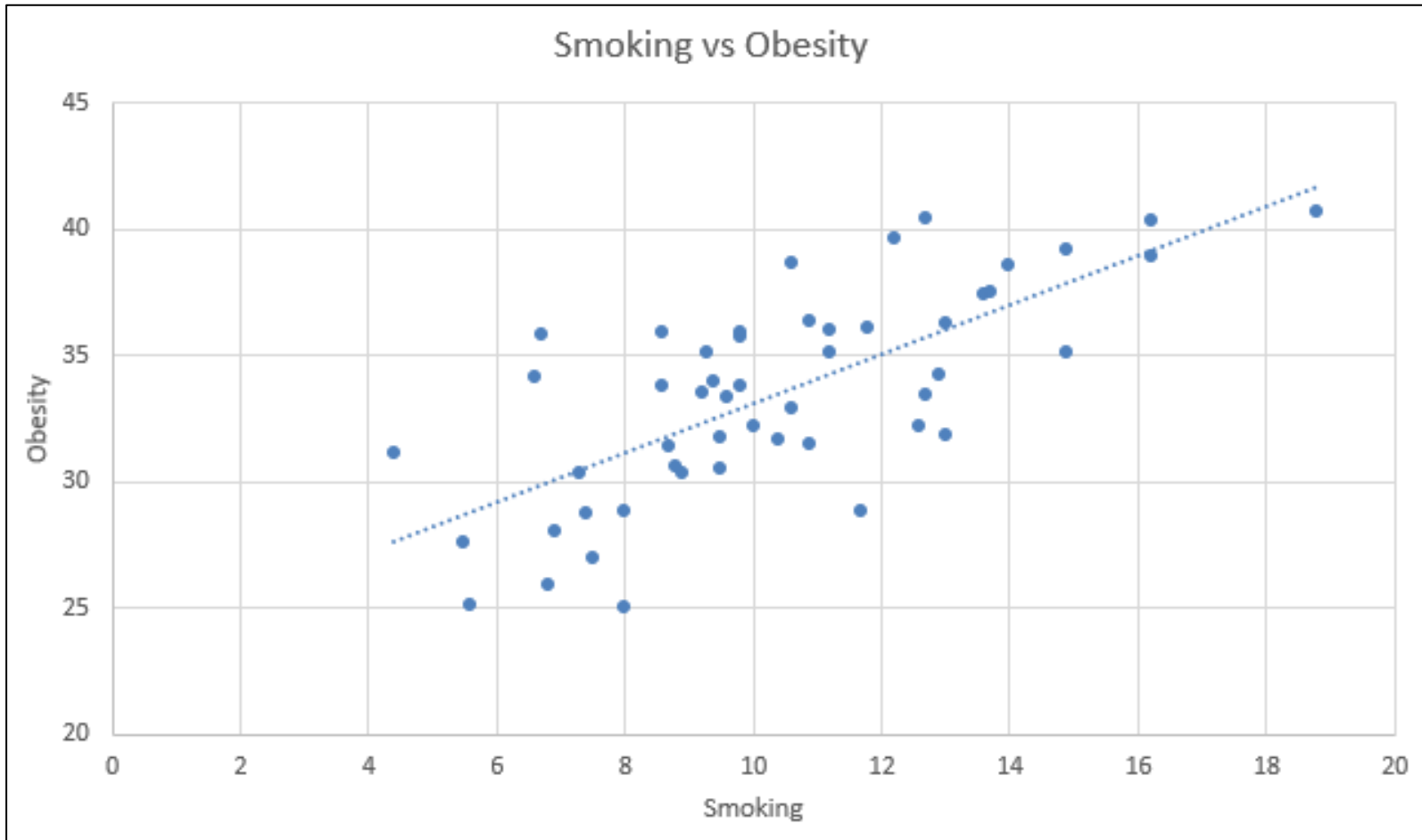
## Scatterplot Sample 2: Cause & effect?



# Scatterplot Sample 3: Cause & effect?




# Scatterplot Sample 4: Cause & effect???



# CDC “Wonder” Navigation: <https://wonder.cdc.gov/Welcome.html>

WONDER Systems   Topics   A-Z Index

- **WONDER Online Databases**
  - ▶ [AIDS Public Use Data](#)
  - ▶ [Births](#)
  - ▶ [Cancer Statistics](#) 
- **National Notifiable Conditions**
  - ▶ [NNDSS Annual Summary Data Query](#)
  - ▶ [NNDSS Annual Tables](#)
  - ▶ [NNDSS Weekly Tables](#)
- **Deaths:**
  - All Ages:**
    - ▶ [Underlying Cause of Death](#)
    - ▶ [Multiple Cause of Death \(Provisional\)](#)
    - ▶ [Multiple Cause of Death \(Final\)](#)
    - ▶ [U.S. - Mexico Border Area Mortality](#)
    - ▶ [Compressed Mortality](#)
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- **Reports and References**
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  - ▶ [122 Cities Weekly Mortality \(Archive\)](#)

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- ▶ [Daily Fine Particulate Matter](#)
- ▶ [Daily Sunlight](#)
- ▶ [Daily Precipitation](#)
- ▶ [Online Tuberculosis Information System](#)
- **Population:**
  - ▶ [Bridged-Race Population \(from NCHS\)](#)
  - ▶ [Single-Race Population \(from Census\)](#)
  - ▶ [Population Projections \(from Census\)](#)
  - ▶ [Sexually Transmitted Disease Morbidity](#)
  - ▶ [Vaccine Adverse Event Reporting](#) 

▶ Denotes numerical data available to query or download

## Melanoma

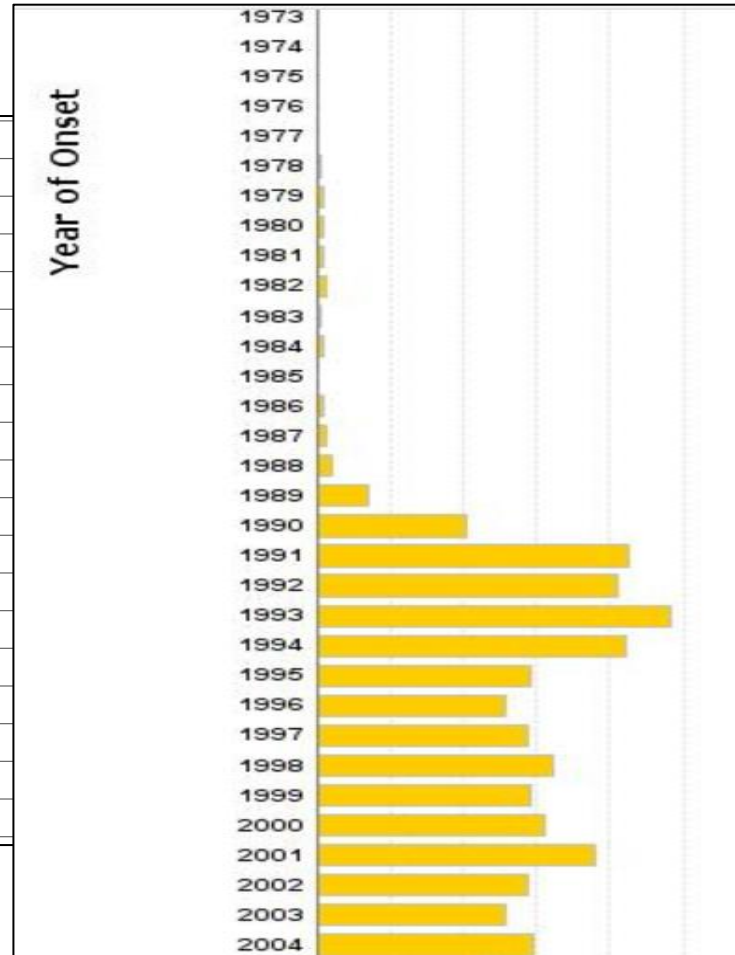
Race ↓	→ Count ↑↓	↻ Population ↑↓	← Age-Adjusted Rate Per 100,000 ↑↓
American Indian or Alaska Native	3,347	83,367,774	5.6
Asian or Pacific Islander	4,227	351,236,144	1.4
Black or African American	7,147	867,585,718	1.0
White	1,327,330	5,094,629,001	23.2
Other Races and Unknown combined	46,732	Not Applicable	Not Applicable
<b>Total</b>	<b>1,388,783</b>	<b>6,396,818,637</b>	<b>20.3</b>

## Myeloma

Race ↓	→ Count ↑↓	↻ Population ↑↓	← Age-Adjusted Rate Per 100,000 ↑↓
American Indian or Alaska Native	2,639	83,367,774	4.9
Asian or Pacific Islander	10,896	351,236,144	3.8
Black or African American	89,751	867,585,718	12.9
White	348,346	5,094,629,001	5.8
Other Races and Unknown combined	4,086	Not Applicable	Not Applicable
<b>Total</b>	<b>455,718</b>	<b>6,396,818,637</b>	<b>6.5</b>

# Vaccine deaths reported for ages 0-17

1978	2
1979	3
1980	3
1981	3
1982	4
1983	2
1984	3
1986	3
1987	4
1988	6
1989	21
1990	62
1991	130
1992	125
1993	147
1994	128
1995	89
1996	78
1997	88



**H.R.5546 - National Childhood Vaccine Injury Act of 1986**

99th Congress (1985-1986)

# Vaccine deaths reported for ages 18 and up

2007	53
2008	42
2009	73
2010	62
2011	49
2012	32
2013	37
2014	41
2015	36
2016	44
2017	23
2018	41
2019	37
2020	118
2021	11,931
2022	3,745

