

**REVIEWED**

By Chris at 9:58 am, Jun 05, 2020

## COVID-19 CORONAVIRUS (/CORONAVIRUS/) / AGE

[UPDATES \(/coronavirus/\)](#) - [\(/coronavirus/coronavirus-cases/\)Graphs \(/coronavirus/worldwide-graphs/\)](#) - [Countries \(/coronavirus/#countries\)](#) - [Death Rate \(/coronavirus/coronavirus-death-rate/\)](#) - [Incubation \(/coronavirus/coronavirus-incubation-period/\)](#) - [Age \(/coronavirus/coronavirus-age-sex-demographics/\)](#) - [Symptoms \(/coronavirus/coronavirus-symptoms/\)](#)

# Age, Sex, Existing Conditions of COVID-19 Cases and Deaths

Last updated: May 13, 18:00 GMT

## Current Statistics

## Age of Coronavirus Deaths

We are collecting and analyzing the data from all US States. In the meantime, below we show the data provided by [New York City Health](https://www1.nyc.gov/assets/doh/downloads/pdf/imm/covid-19-daily-data-summary-deaths-05132020-1.pdf) as of May 13, 2020 (<https://www1.nyc.gov/assets/doh/downloads/pdf/imm/covid-19-daily-data-summary-deaths-05132020-1.pdf>):

AGE	Number of Deaths	Share of deaths	With underlying conditions	Without underlying conditions	Unknown if with underlying cond.	Share of death of unknown + w/ con
<b>0 - 17 years old</b>	9	<b>0.06%</b>	6	3	0	0.02%
<b>18 - 44 years old</b>	601	<b>3.9%</b>	476	17	108	0.8%
<b>45 - 64 years old</b>	3,413	<b>22.4%</b>	2,851	72	490	3.7%
<b>65 - 74 years old</b>	3,788	<b>24.9%</b>	2,801	5	982	6.5%
<b>75+ years old</b>	7,419	<b>48.7%</b>	5,236	2	2,181	14.3%
<b>TOTAL</b>	<b>15,230</b>	<b>100%</b>	<b>11,370 (75%)</b>	<b>99 (0.7%)</b>	<b>1,551 (24.7%)</b>	<b>25.3%</b>

## April 14 Data

For comparison, below is the data provided by **New York City Health** (<https://www1.nyc.gov/assets/doh/downloads/pdf/imm/covid-19-daily-data-summary-deaths-04152020-1.pdf>) as of April 14. It can be noted that the absolute number of deaths of patients without underlying conditions was actually higher in this earlier report compared to the May 13 one, signaling the data has been since corrected and revised downward.

AGE	Number of Deaths	Share of deaths	With underlying conditions	Without underlying conditions	Unknown if with underlying cond.	Share of death of unknown + w/ con
<b>0 - 17 years old</b>	3	<b>0.04%</b>	3	0	0	0%
<b>18 - 44 years old</b>	309	<b>4.5%</b>	244	25	40	1.0%
<b>45 - 64 years old</b>	1,581	<b>23.1%</b>	1,343	59	179	3.5%
<b>65 - 74 years old</b>	1,683	<b>24.6%</b>	1,272	26	385	6.0%
<b>75+ years old</b>	3,263	<b>47.7%</b>	2,289	27	947	14.2%
<b>TOTAL</b>	<b>6,839</b>	<b>100%</b>	<b>5,151</b>	<b>137 (2.0%)</b>	<b>1,551</b>	<b>24.68%</b>

[1] Underlying illnesses include Diabetes, Lung Disease, Cancer, Immunodeficiency, Heart Disease, Hypertension, Asthma, Kidney Disease, and GI/Liver Disease. [source (<https://www1.nyc.gov/assets/doh/downloads/pdf/imm/covid-19-daily-data-summary-deaths-04152020-1.pdf>)]

## Sex ratio

Data provided by **New York City Health** (<https://www1.nyc.gov/assets/doh/downloads/pdf/imm/covid-19-daily-data-summary-deaths-04152020-1.pdf>) as of April 14, for known sex of deceased:

SEX	Deaths	Share of Deaths	With underlying conditions	Share within this category	Without underlying conditions	Share within this category	Unknown if with cond.	Share within this category
<b>Male</b>	4,095	<b>61.8%</b>	3,087	62.2%	96	72.2%	912	59.5%
<b>Female</b>	2,530	<b>38.2%</b>	1,873	37.8%	37	27.8%	620	40.5%

## Older Statistics

# Data from initial studies in China

At the end of February, there were two sources that provided age, sex, and comorbidity statistics:

- The *Report of the WHO-China Joint Mission* published on Feb. 28 by WHO, <sup>[2]</sup> which is based on **55,924 laboratory confirmed cases**. The report notes that "*The Joint Mission acknowledges the known challenges and biases of reporting crude CFR early in an epidemic*" (see also our discussion on: [How to calculate the mortality rate during an outbreak \(/coronavirus/coronavirus-death-rate/#correct\)](#))
- A paper by the Chinese CCDC released on Feb. 17, which is based on **72,314 confirmed, suspected, and asymptomatic cases** of COVID-19 in China as of Feb. 11, and was published in the Chinese Journal of Epidemiology <sup>[1]</sup>

We will list data from both, labeling them as "**confirmed cases**" and "**all cases**" respectively in the tables.

## Age of Coronavirus Deaths

### COVID-19 Fatality Rate by AGE:

\***Death Rate** = (number of deaths / number of cases) = **probability of dying if infected by the virus** (%). This probability differs depending on the age group. The percentages shown below **do not have to add up to 100%**, as they **do NOT represent share of deaths by age group**. Rather, it represents, for a person in a given age group, the **risk of dying** if infected with COVID-19.

AGE	DEATH RATE confirmed cases	DEATH RATE all cases
80+ years old	21.9%	14.8%
70-79 years old		8.0%
60-69 years old		3.6%
50-59 years old		1.3%

40-49 years old		0.4%
30-39 years old		0.2%
20-29 years old		0.2%
10-19 years old		0.2%
0-9 years old		no fatalities

\***Death Rate** = (number of deaths / number of cases) = **probability of dying if infected by the virus** (%). The percentages **do not have to add up to 100%**, as they do **NOT** represent share of deaths by **age** group.

In general, relatively few cases are seen among children.

## Sex ratio

### COVID-19 Fatality Rate by SEX:

\***Death Rate** = (number of deaths / number of cases) = **probability of dying if infected by the virus** (%). This probability differs depending on sex. When reading these numbers, it must be taken into account that **smoking** in China is much more prevalent among males. Smoking increases the risks of respiratory complications.

SEX	DEATH RATE confirmed cases	DEATH RATE all cases
Male	4.7%	2.8%
Female	2.8%	1.7%

\***Death Rate** = (number of deaths / number of cases) = **probability of dying if infected by the virus** (%). The percentages **do not have to add up to 100%**, as they do **NOT** represent share of deaths by **sex**.

## Pre-existing medical conditions (comorbidities)

Patients who reported no pre-existing ("comorbid") medical conditions had a case fatality rate of 0.9%. Pre-existing illnesses that put patients at higher risk of dying from a COVID-19 infection are:

## COVID-19 Fatality Rate by COMORBIDITY:

\*Death Rate = (number of deaths / number of cases) = probability of dying if infected by the virus (%). This probability differs depending on pre-existing condition. The percentage shown below does NOT represent in any way the share of deaths by pre-existing condition. Rather, it represents, for a patient with a given pre-existing condition, the risk of dying if infected by COVID-19.

PRE-EXISTING CONDITION	DEATH RATE confirmed cases	DEATH RATE all cases
Cardiovascular disease	13.2%	10.5%
Diabetes	9.2%	7.3%
Chronic respiratory disease	8.0%	6.3%
Hypertension	8.4%	6.0%
Cancer	7.6%	5.6%
<i>no pre-existing conditions</i>		0.9%

\*Death Rate = (number of deaths / number of cases) = probability of dying if infected by the virus (%). The percentages do not have to add up to 100%, as they do NOT represent share of deaths by condition.

## Coronavirus Worldometer Sections:

- [Coronavirus Update \(/coronavirus/\)](/coronavirus/)
- [Case statistics and graphs \(/coronavirus/coronavirus-cases/\)](/coronavirus/coronavirus-cases/)
- [Death statistics and graphs \(/coronavirus/coronavirus-death-toll/\)](/coronavirus/coronavirus-death-toll/)
- [Mortality Rate \(/coronavirus/coronavirus-death-rate/\)](/coronavirus/coronavirus-death-rate/)
- [Incubation Period \(/coronavirus/coronavirus-incubation-period/\)](/coronavirus/coronavirus-incubation-period/)
- [Age, Sex, Existing Condition \(/coronavirus/coronavirus-age-sex-demographics/\)](/coronavirus/coronavirus-age-sex-demographics/)
- [Symptoms \(/coronavirus/coronavirus-symptoms/\)](/coronavirus/coronavirus-symptoms/)
- [Countries with cases: basic list \(/coronavirus/countries-where-coronavirus-has-spread/\)](/coronavirus/countries-where-coronavirus-has-spread/) - [detailed list \(/coronavirus/#countries\)](/coronavirus/#countries)

# Sources

1. [The Epidemiological Characteristics of an Outbreak of 2019 Novel Coronavirus Diseases \(COVID-19\)](http://weekly.chinacdc.cn/en/article/id/e53946e2-c6c4-41e9-9a9b-fea8db1a8f51) (<http://weekly.chinacdc.cn/en/article/id/e53946e2-c6c4-41e9-9a9b-fea8db1a8f51>) - China CCDC, February 17 2020
2. [Report of the WHO-China Joint Mission on Coronavirus Disease 2019 \(COVID-19\)](https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf) (<https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf>) [Pdf] - World Health Organization, Feb. 28, 2020

---

worldometer (/)

[about \(/about/\)](/about/) | [faq \(/faq/\)](/faq/) | [languages \(/languages/\)](/languages/) | [licensing \(/licensing/\)](/licensing/) | [contact \(/contact/\)](/contact/)

[📧 \(/newsletter-subscribe/\)](/newsletter-subscribe/) [🐦 \(https://twitter.com/Worldometers\)](https://twitter.com/Worldometers)

[f \(https://www.facebook.com/Worldometers.info\)](https://www.facebook.com/Worldometers.info)

---

© Copyright Worldometers.info - All rights reserved - [Disclaimer & Privacy Policy \(/disclaimer/\)](/disclaimer/)