

# Suicide Rates Overview 1985 to 2016

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## Content

This compiled dataset pulled from four other datasets linked by time and place, and was built to find signals correlated to increased suicide rates among different cohorts globally, across the socio-economic spectrum.

## References

Kaggle dataset. Retrieved from

<https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016>

United Nations Development Program. (2018). Human development index (HDI). Retrieved from

<http://hdr.undp.org/en/indicators/137506>

World Bank. (2018). World development indicators: GDP (current US\$) by country:1985 to 2016.

Retrieved from <http://databank.worldbank.org/data/source/world-development-indicators#>

[Szamil]. (2017). Suicide in the Twenty-First Century [dataset]. Retrieved from

<https://www.kaggle.com/szamil/suicide-in-the-twenty-first-century/notebook>

World Health Organization. (2018). Suicide prevention. Retrieved from

[http://www.who.int/mental\\_health/suicide-prevention/en/](http://www.who.int/mental_health/suicide-prevention/en/)

## Inspiration

Suicide Prevention.

My dataset included 101 countries with data from years 1985 to 2016.

## Suicides of females and males

There is huge difference between number of suicides between males and females. The number of suicides of men for the given period is 3.3 higher than the females. To look at this question further, I divided years from 1985-2016 by three periods: 1987-1996 (1st period), 1997-2006(2nd period), and 2007-2016(3rd period). The number of suicides for both males and females increased in the 2nd period and slightly decreased in 3rd period again.

## **The economical relationship to suicides**

- There is huge difference between number of suicides between males and females. The number of suicides of men for the given period is 3.3 higher than the females.
- To look at this question further, I divided years from 1985-2016 by three periods: 1987-1996 (1st period), 1997-2006(2nd period), and 2007-2016(3rd period). The number of suicides for both males and females increased in the 2nd period and slightly decreased in 3rd period again.

## **Countries with the highest number of suicides**

Russian Federation is the leading country for its number of suicides. In this case I used the total number suicides without considering the number of population in each country. Now I would like to look the number of suicides per 100k population.

- According to the numbers of suicides per 100k population, the country with the highest number of suicides is Lithuania and Russian Federation is on the third place after Sri Lanka.
- On the other hand, countries like Dominica and Saint Kitts and Nevis hasn't had any suicides for the past 31 years.
- The average number of suicides per 100k population is between 10-15.

## **Age and Generation**

- Number of suicides per 100k population is increasing with the age.
- G.I. and Silent Generation have the highest numbers of suicides.