

# More educated people from wealthier areas, women, more likely to die from assisted suicide

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Researchers in Switzerland, where assisted suicide is legal, have conducted a study – published online in the *International Journal of Epidemiology* today – that shows assisted suicide is more common in women, the divorced, those living alone, the more educated, those with no religious affiliation, and those from wealthier areas.

While euthanasia is prohibited in Switzerland, the penal code states that assisted [suicide](#) is legal if no selfish interests are involved. Assisted suicides in Switzerland involve volunteers working for "right-to-die" associations. The role of physicians is restricted to assessing the decisional capacity of the person requesting assistance and to prescribing the lethal drug. Notably, the person requesting assistance does not need to have a terminal illness.

In this study Professor Matthias Egger and colleagues at the University of Bern linked data from three right-to-die organisations to the Swiss national Cohort, a [longitudinal study](#) of mortality based on linkage of census and mortality records. The study followed those aged 25 to 94 from 1 January 2003 until their death, emigration, or the end of the study: a total of 5,004,403 people. Anonymous data on 1,301 cases of [assisted suicide](#) between 2003 and 2008 were provided by the three right-to-die organisations.

Study findings showed assisted suicide was more common in [women](#) than men, in people with secondary or tertiary rather than compulsory education, in those living alone, and in those with no [religious affiliation](#). The rate was also higher in urban compared to rural areas, in wealthier neighbourhoods, and in the French rather than German or Italian speaking areas of the country. Having children was associated with a lower risk of

assisted suicide in younger people, although not in older people.

In 84% of cases the [death certificates](#) listed at least one underlying cause of death. In the age group 25-64 years the majority had cancer ( 57%), followed by diseases of the nervous system (21%). Eleven individuals had a mood disorder listed as the first underlying cause, and three had another mental or behavioural disorder. For all causes, except Parkinson's disease, the percentage of assisted suicides was higher in women than men. In the 65-94 years age group, cancer was again the most common underlying cause (41%), followed by circulatory (15%) and diseases of the nervous system (11%). Thirty people had a mood disorder, and six had another mental or behavioural disorder.

Dr Egger says, "Our study is relevant to the debate on a possibly disproportionate number of assisted suicides among vulnerable groups. The higher rates among the better educated and those living in neighbourhoods of higher socio-economic standing does not support the 'slippery slope' argument but might reflect inequities in access to assisted suicide. On the other hand, we found a higher rate among people living alone and the divorced. Social isolation and loneliness are well known risk factors for non-assisted suicides and our results suggest that they may also play a role in assisted suicide. Also, the observation that women die more frequently by assisted suicide than men is potentially of concern. Interestingly, though, studies from the Netherlands and Oregon in the USA reported more men than women among assisted deaths."

16% of death certificates did not register an underlying cause. A previous study of suicides by two right-to-die organizations showed that 25% of those assisted had no fatal illness, instead citing

"weariness of life" as a factor. In 2013 the European Court of Human Rights asked Switzerland to clarify whether and under what conditions individuals not suffering from terminal illnesses should have access to help in ending their lives, suggesting that Switzerland should more precisely regulate assisted dying.

Dr Egger says: "We believe that such new regulation should mandate the anonymous registration of assisted suicides in a dedicated database, including data on patient characteristics and underlying causes, so that suicides assisted by right-to-die associations can be monitored."

**More information:** 'Suicide assisted by Right-to-Die Associations: Population based cohort study' by Nicole Steck, Christoph Junker, Maud Maessen, Thomas Reisch, Marcel Zwahlen, and Matthias Egger, *International Journal of Epidemiology*, DOI: [10.1093/ije/dyu010](https://doi.org/10.1093/ije/dyu010)

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