

Frailty is a medical condition, not an inevitable result of aging

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Frailty is not simply an adjective associated with old age, it is a medical condition all on its own. And it has significant medical, social and economic implications.

A landmark study published today (August 2) in the *Journal of the American Medical Association (JAMA) Network Open*, led by researchers at Monash University in Australia, explored the incidence of frailty in 120,000 people over the age of 60 in 28 countries.

It is the first global study to estimate the likelihood of community-dwelling [older adults](#) developing frailty.

The study, led by Dr. Richard Ofori-Asenso and Professor Danny Liew from the Monash School of Public Health and Preventive Medicine, looked at 46 studies of more than 120,000 people across 28 countries to reveal that, in over 60s, 4.3 per cent will develop frailty per year.

According to Dr. Ofori-Asenso, this is the first time that a global estimate of the incidence of frailty in the population has been quantified. The results also showed that women were more likely than men to develop frailty.

As yet, there is, no 'gold standard' definition of frailty, but researchers and clinicians tend to regard it as a condition that meets three out of the following five criteria:

- low physical activity
- weak grip strength
- low energy
- slow walking speed
- non-deliberate weight loss

Frailty is associated with a lower quality of life and a higher risk of death, hospitalisation, and institutionalisation. The condition tends to occur among older adults, but even young people can be

frail if they have one or more disabling chronic diseases.

As more than 20 per cent of the world's population will be aged over 60 years by 2050, the number of people diagnosed with frailty is projected to increase.

According to Dr. Ofori-Asenso: "our results suggest that the risk of developing frailty in older people is high. This is a worldwide problem and highlights a major challenge facing countries with ageing populations."

However, the news is not all bad. Interventions such as muscle strength training and protein supplementation may help to prevent or delay the progression of frailty.

Thus, the study authors advocate for "regular screening to assess older people's vulnerability to developing frailty so that appropriate interventions can be implemented in a timely manner".

Furthermore, in a previous study, the authors found that [frailty](#) may even be reversed, suggesting that the condition is a dynamic one.

More information: Richard Ofori-Asenso et al, Global Incidence of Frailty and Prefrailty Among Community-Dwelling Older Adults, *JAMA Network Open* (2019). [DOI: 10.1001/jamanetworkopen.2019.8398](#)

Provided by Monash University

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