Study

[Advancing Alzheimer's disease risk prediction: development and validation of a machine learning-based preclinical screening model in a cross-sectional study](#)

11 variables were critical in the training phase, including educational level, depression, insomnia, age, Body Mass Index (BMI), medication count, gender, stenting, systolic blood pressure (sbp), neurosis and rapid eye movement. The XGBoost model exhibited superior performance compared with other models, achieving area under the curve of 0.915, sensitivity of 76.2% and specificity of 92.9%. The most influential predictors were educational level, total medication count, age, sbp and BMI. The proposed classifier can help guide preclinical screening of AD in the elderly population.

Report

[What if...I'm not there to care? - Dementia Carers Count](#)

Dementia Carers Count has published the results of its 2024 survey of more than 1,200 dementia carers. It reveals that over three quarters of carers who are looking after a spouse, partner or parent have no alternative care plan in place for when they cannot provide care. And one in three foresee a time when they will not be able to continue providing care.

Online events

[Could a diabetes drug help to prevent vascular dementia?](#)

Dr Joyce Huang is a researcher for Alzheimer's Research UK. On Tuesday 18 March she will be joined by Dr Emma Mead from our Drug Discovery Alliance, for our [online discussion event.](#) The event will highlight the ways we're widening the search for new dementia treatments.

[Advance care planning and young onset dementia](#)

This webinar on Tuesday 11th March 2025 at 12-1pm is a collaboration between the Young Dementia Network and the Young Onset Dementia Knowledge Centre, Netherlands. Hosted by international Young Onset Dementia Research Lead Professor Christian Bakker, the webinar will highlight the importance and challenges of advanced care planning, and suggest an approach that is holistic, flexible and relational. Activists Chris Roberts and Jayne Goodrick, in conversation with Dr Orii McDermott, University of Nottingham, will discuss their experience of planning ahead whilst living with young onset dementia.

[Age-appropriate support in care homes](#)

Young Dementia Network's February webinar focused on age-appropriate support in care homes and the issues that people living with young onset dementia and their families face when looking for residential care for a younger person. You can now watch the recording of this seminar.

[Dementia: what next?](#)

New, free online series, 'Dementia: what next?', is designed to help you learn more about dementia and the next steps you could take. Topics addressed includes: types of dementia, common symptoms, medication, financial and legal advice.

Surveys

[Clinical Research in Dementia survey](#)
Are you living with mild cognitive impairment or dementia, or supporting someone who is? By taking 10 minutes to complete this short, anonymous survey, you can help us understand how we can support more people to take part in vital dementia research.

[Help shape the Young Dementia Network's future](#)
The purpose of the Young Dementia Network is to improve the lives of people with young onset dementia and their families now and to create positive change for the future. We are reviewing the Network's progress and developing a strategy that will set out what we want to achieve from now until 2028. We are inviting you to complete and return this short survey to help shape the Network's focus for the next three years. The survey should take around 15 minutes to complete and we would really appreciate your input. The survey closes on Friday 21st February 2025.

Podcast

[Inside Health podcast - Dementia: Your questions answered and lion's mane mushrooms in the lab](#)
James Gallagher, Director of the Centre for Discovery Brain Sciences at the University of Edinburgh, visits mushroom grower the Bristol Fungarium which has teamed up with the University of the West of England to examine a mushroom called lion's mane. Lion's mane has a lot of hype about it online as well as a long history in traditional medicine and neuroscientist Dr Tim Craig and his team are taking it into their lab to investigate whether it might harbour properties that could benefit people with dementia.

News

[Alzheimer's Research UK launches new film featuring researchers and supporters](#)
Alzheimer's Research UK have launched a powerful new film to highlight the importance of dementia research in the ongoing search for a cure. Voiced by acclaimed British actor Stephen Graham, the 30-second film also celebrates the people standing with Alzheimer's Research UK to end the heartbreak the condition causes.

[Scotland says no to Alzheimer's drug lecanemab](#)
The Scottish Medicines Consortium (SMC) has rejected a new Alzheimer's drug, lecanemab (sold under the brand name Leqembi), for use on the NHS in Scotland. The SMC said there were uncertainties about the health benefits of lecanemab set against its costs, including monthly infusions and regular monitoring for side effects.

[How Long Can You Expect to Live With Alzheimer's Disease?](#)
While no one can reliably predict how long an individual with Alzheimer's disease will live or when they may require nursing home care, a new analysis provides additional information about an Alzheimer's prognosis. It found that the average survival time varied widely according to age at diagnosis and the sex of the patient, ranging from two to nine years, though many people with Alzheimer's live much longer. The findings could help families better prepare for long-term care.

[Dementia Cases May Double by 2060](#)
The number of Americans with Alzheimer's disease or other forms of dementia will double in the coming decades, with up to 1 million new cases a year by 2060, according to a new report. The findings underscore the urgent need for more effective ways to prevent or delay the onset of the mind-robbing illness, as a growing number of Americans are living longer.

[New Insights into diabetes medications (GLP-1RAs) to treat mental ill health](#)
A paper published in [Nature Mental Health](#) reports on how GLP-1RAs, drugs approved for diabetes and obesity, might be useful for the treatment of cognitive and mental health disorders.

[A little of what you fancy: how changing alcohol consumption may affect risk of dementia](#)
Summarises a retrospective cohort study exploring the relationship between alcohol consumption and risk of dementia.