

Trends And Disparities In Alzheimer’s Disease Related Mortality In U.S. Postmenopausal Women, With Forecasts To 2035: A Nationwide Study

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AD mortality in U.S. postmenopausal women is increasing and is projected to continue to grow.

INTRODUCTION	METHODS	RESULTS	CONCLUSIONS	REFERENCES
Around 7 million Americans live with Alzheimer’s disease (AD), with women being disproportionately affected, particularly after menopause. Estrogen decline is thought to increase vulnerability through accelerated amyloid-beta accumulation, tau pathology, and neuroinflammation, while cardiometabolic comorbidities further elevate risk. Despite rising burden, mortality trends in postmenopausal women in the U.S. remain underexplored. This study evaluates national mortality trends and disparities in this high-risk population.	Using the CDC WONDER database, we examined the death certificates listing AD-related mortalities (ICD-10: G30) among postmenopausal women. Age-adjusted mortality rates (AAMRs) per 100,000 and the annual percent changes (APCs) and average APC (AAPCs) were calculated and stratified by age, race/ethnicity, urbanization and region. An Autoregressive integrated moving average (ARIMA) model was used to forecast AAMRs through 2035.	From 1999-2020, nearly 1.7 million AD-related deaths occurred in postmenopausal women, with 58% occurring in nursing-home/longterm-care facilities. The overall AAMR increased from 139.8 to 219.6 (AAPC: 1.87; 95% CI: 1.54-2.39). The trend initially rose up to 2005, then declined to 2012, and then rose again from 2012-2020 (APC: 3.96). When stratified by race/ethnicity, AAMRs were highest among NH Whites (180.9). The West census region had the highest AAMR (205.1), and the rural areas had a slightly higher rise compared to urban (AAPC 2.20 versus 1.78). Forecasting projects a continued rise in AAMR, expecting to reach 276.6 by 2035.	AD mortality in U.S. postmenopausal women is increasing and will likely continue to grow, especially in certain groups, emphasizing the importance of focused public health efforts.	Ge J, Ge J, Bao M, Zhang L, Li K, Ji A, Mao X, Jiang X, Yue K, Sun J, Luo P. Epidemiological trends and cross-country inequalities in the global burden of Alzheimer's disease and other dementias in postmenopausal women from 1990 to 2021. Ageing Res Rev. 2026 May;117:103069. doi: 10.1016/j.arr.2026.103069. Epub 2026 Feb 26. PMID: 41763564. CONTACT Saad Arsalan Wasti MS5, King Edward Medical University, Lahore, Pakistan Email: saadarsalan@kemu.edu.pk  ALZHEIMER'S ASSOCIATION 