



UK Health
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Healthy Ageing Current Awareness Update

August 2024

Welcome to the monthly **Healthy Ageing Current Awareness Update** (HACAU), produced by **UKHSA Knowledge and Library Services**. The purpose of this update is to provide you with the latest, best evidence about healthy ageing and dementia risk reduction, to help you make informed decisions.

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- **Healthy lifestyle and dementia prevention**
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- **Mental health and ageing**
- **Physical activity and ageing**
- **Employment, volunteering and ageing**
- **Musculoskeletal health, falls prevention and ageing**
- **Ageism and discrimination**

Healthy lifestyle and dementia prevention

1. Intestinal microbiota dataset revealed by high-throughput sequencing of 16S rRNA in children with anemia in southern Peru

31-07-2024 - National Library of Medicine

Anemia is the most common hematological disorder affecting humans. In Peru, anemia is a pressing issue that present the most significant concern due to its adverse effects, such as delayed growth and psychomotor development, in addition to a deficiency in cognitive development. Anemia is a significant public health issue in Peru, which has one of the highest prevalence rates in infants in the ... [Read more...](#)

2. BPSDiary study protocol: a multi-center randomized controlled trial to compare the efficacy of a BPSD diary vs. standard care in reducing caregiver's burden

31-07-2024 - National Library of Medicine

Behavioral and Psychological Symptoms of Dementia (BPSD) are a heterogeneous set of psychological and behavioral abnormalities seen in persons with dementia (PwD), significantly impacting their quality of life and that of their caregivers. Current assessment tools, such as the Neuropsychiatric Inventory (NPI), are limited by recall bias and lack of direct observation. [Read more...](#)

3. The need to better understand aging and risk factors for dementia

31-07-2024 - National Library of Medicine

No abstract [Read more...](#)

4. Accelerated long-term forgetting: A sensitive paradigm for detecting subtle cognitive impairment and evaluating BACE1 inhibitor efficacy in preclinical Alzheimer's disease

31-07-2024 - National Library of Medicine

Given a long preclinical stage of Alzheimer's disease (AD) continuum before the onset of dementia, there is a growing demand for tools capable of detecting the earliest feature of subtle cognitive impairment and optimizing recruitment to clinical trials for potentially disease-modifying therapeutic interventions such as BACE1 inhibitors. Now that all BACE1 inhibitor programs in symptomatic ... [Read more...](#)

5. Intergenerational engagement with Asian residents in long-term care facilities: a mixed method systematic review

31-07-2024 - National Library of Medicine

CONCLUSION: This review indicates that intergenerational engagement can reduce depression and loneliness, improve quality of life, and strengthen social bonds for older individuals in Asian long-term care facilities. Despite some challenges, the evidence underlines its potential to meet the emotional and social needs of older people. Recognizing and addressing delivery challenges is essential ... [Read more...](#)

6. Factors influencing patient-provider communication about subjective cognitive decline in people with COPD: Insights from a national survey

31-07-2024 - National Library of Medicine

Objective: While there is a growing body of evidence indicating a relationship between COPD and cognitive impairment, there is a gap in evidence regarding discussions of cognitive symptoms in healthcare settings. This study investigated the extent to which individuals with Chronic Obstructive Pulmonary Disease (COPD) and Subjective Cognitive Decline (SCD) self-reported confusion or memory ... [Read more...](#)

7. Heightened emotion processing as a compensatory mechanism in persons with Alzheimer's disease: Psychological insights from the tri-network model

31-07-2024 - National Library of Medicine

Social and emotional communication is an integral tenant of life quality and well-being. Aberrations in functional connectivity can alter social emotional behavior in numerous disease states, including dementia. This paper aims to review the major network changes observed in Alzheimer's disease, with a focus on the tri-network model. The central executive network, default mode network, ... [Read more...](#)

8. Six domains of health: a practical approach to identifying priorities in dementia care

31-07-2024 - National Library of Medicine

CONCLUSION AND RELEVANCE: The Six Domains of Health framework captures a broad array of challenges that are relevant to providing comprehensive dyadic care and setting individualized health and social care priorities. With further study, it could provide conceptual scaffolding for comparative population research and more equitable, fully integrated pathways for care. [Read more...](#)

9. Hearing loss and its link to cognitive impairment and dementia

31-07-2024 - National Library of Medicine

Hearing loss is an important risk factor for the development of dementia, particularly Alzheimer's disease (AD). Mid-life hearing loss increases the risk of developing dementia by double any other single factor. However, given this strong connection between hearing loss and AD, the mechanisms responsible for this link are still unknown. Data from observational studies relating hearing loss ... [Read more...](#)

10. Dimensions of cognitive reserve and their predictive power of cognitive performance and decline in the elderly

31-07-2024 - National Library of Medicine

CONCLUSION: Proxy markers of CR can be represented by five interrelated dimensions. Education/occupation, midlife cognitive activities, and leisure activities are associated with better cognitive performance in old age and provide a buffer against cognitive impairment. Education/occupation may delay the clinical onset of MCI and is also associated with the rate of change in cognitive performance. [Read more...](#)

11. Optimism and mental health in college students: the mediating role of sleep quality and stress

31-07-2024 - National Library of Medicine

CONCLUSION: Optimism was negatively correlated with poor sleep quality, stress, anxiety, and depression. Enhanced optimism was linked to high sleep quality and less stress, anxiety, and depression. These insights emphasize the potential for school-based optimism interventions to improve sleep quality, ameliorate stress-related concerns, and alleviate mental health challenges in college students. [Read more...](#)

12. Protocol for a feasibility registry-based randomised controlled trial investigating a tailored follow-up service for stroke (A-LISTS)

31-07-2024 - National Library of Medicine

BACKGROUND: Stroke affects long-term physical and cognitive function many survivors report unmet health needs, such as pain or depression. A hospital-led follow-up service designed to address ongoing health problems may avoid unplanned readmissions and improve quality of life. [Read more...](#)

13. Texture-based morphometry in relation to apolipoprotein epsilon4 genotype, ageing and sex in a midlife population

31-07-2024 - National Library of Medicine

Brain atrophy and cortical thinning are typically observed in people with Alzheimer's disease (AD) and, to a lesser extent, in those with mild cognitive impairment. In asymptomatic middle-aged apolipoprotein ϵ 4 (APOE4) carriers, who are at higher risk of future AD, study reports are discordant with limited evidence of brain structural differences between carriers and non-carriers of the ϵ 4 allele. [Read more...](#)

14. Effect of Self-transcendence, Self-distancing, and Family Functionality on Self-care Agency in Older Adults

31-07-2024 - National Library of Medicine

CONCLUSION: Self-distancing, self-transcendence, and family functionality explain an important proportion of selfcare in the elderly. Said knowledge permits understanding the care behavior of the elderly and, thus, propose future educational interventions by nursing to prevent or avoid functional, cognitive loss and social effects. [Read more...](#)

15. 18Fflutemetamol-PET Aided Classification of Cerebral Amyloid Angiopathy: A Multicenter Study

31-07-2024 - National Library of Medicine

OBJECTIVES: Cerebral amyloid angiopathy (CAA)-related features on neuroimaging often coexist with signs of arteriolosclerosis-small vessel disease on neuroimaging in people with intracranial hemorrhage (ICH). This study aimed at defining the value of amyloid pathology detected by ^{18}F flutemetamol PET in reclassification and stratification of risk of bleeding in people with mixed ... [Read more...](#)

16. The effectiveness of educational interventions in the community that aim to improve informal carers knowledge of dementia anatomy, physiology, progression, and impact on behavior: a systematic review

31-07-2024 - National Library of Medicine

INTRODUCTION: Dementia education is a vital component of dementia care and management for patients and their informal carers and family. To fully understand dementia, some knowledge of the anatomy and physiology of the brain may be necessary and would help informal carers understand behaviors of dementia to help cope with care provision. [Read more...](#)

17. Connectome-based predictive modeling shows sex differences in brain-based predictors of memory performance

31-07-2024 - National Library of Medicine

Alzheimer's disease (AD) takes a more aggressive course in women than men, with higher prevalence and faster progression. Amnesic AD specifically targets the default mode network (DMN), which subserves short-term memory past research shows relative hyperconnectivity in the posterior DMN in aging women. Higher reliance on this network during memory tasks may contribute to women's elevated AD risk. [Read more...](#)

18. Assessing behavioral and psychological symptoms of dementia: a comprehensive review of current options and future perspectives

31-07-2024 - National Library of Medicine

The behavioral and psychological symptoms of dementia (BPSD) are a heterogeneous set of challenging disturbances of behavior, mood, perception, and thought that occur in almost all patients with dementia. A huge number of instruments have been developed to assess BPSD in different populations and settings. Although some of these tools are more widely used than others, ... [Read more...](#)

19. Editorial: Health conditions outside the brain and the risk of brain aging and dementia

31-07-2024 - National Library of Medicine

No abstract [Read more...](#)

20. Advancements and Challenges in Antiamyloid Therapy for Alzheimer's Disease: A Comprehensive Review

31-07-2024 - National Library of Medicine

Alzheimer's disease (AD) is a progressive neurodegenerative disorder caused by the accumulation of amyloid-beta (A β) proteins and neurofibrillary tangles in the brain. There have been recent advancements in antiamyloid therapy for AD. This narrative review explores the recent advancements and challenges in antiamyloid therapy. In addition, a summary of evidence from antiamyloid therapy trials ... [Read more...](#)

21. Realising Person-Centredness: Transitioning to a Clustered Domestic Model of Aged Residential Care for People With and Without Dementia

31-07-2024 - National Library of Medicine

CONCLUSION: Policy makers and practitioners must be aware that while a domestic-scale environment provides cues to normal living, staff who know residents and what is important to them enable participation in community and valued activities. [Read more...](#)

22. There Is No Direct Causal Relationship Between Coronary Artery Disease and Alzheimer Disease: A Bidirectional Mendelian Randomization Study

31-07-2024 - National Library of Medicine

CONCLUSIONS: The findings of this study indicate the absence of a direct causal relationship between AD and CAD from a genetic perspective. Therefore, managing the 2 diseases should be more independent and targeted. Concurrently, investigating the mechanism underlying their comorbidity may not yield meaningful insights for advancing treatment strategies. [Read more...](#)

23. The metacontrol of event segmentation-A neurophysiological and behavioral perspective

31-07-2024 - National Library of Medicine

During our everyday life, the constant flow of information is divided into discrete events, a process conceptualized in Event Segmentation Theory (EST). How people perform event segmentation and the resulting granularity of encapsulated segments likely depends on their metacontrol style. Yet, the underlying neural mechanisms remain undetermined. The current study examines how the metacontrol ... [Read more...](#)

24. Development of a Cognitive Training Support Programme for prevention of dementia and cognitive decline in at-risk older adults

31-07-2024 - National Library of Medicine

CONCLUSIONS: Through interactive presentations promoting brain health, the programme provides for personal reflection that may enhance capability, opportunity and motivation for behaviour change. This will support adherence to the CCT within multidomain intervention trials. Efficacy of the programme will be evaluated through participant feedback and adherence metrics. [Read more...](#)

25. The acceptability and effectiveness of eHealth interventions to support assessment and decision-making for people with dementia living in care homes: A systematic review

31-07-2024 - National Library of Medicine

INTRODUCTION: As dementia progresses, care needs increase leading many to require 24-h care in care homes. eHealth interventions have the potential to improve care processes of assessment and decision-making for people with dementia. However, little is known on the acceptability and effectiveness in care homes. [Read more...](#)

26. Care partner evaluation of the behaviors in the Cohen-Mansfield Agitation Inventory

31-07-2024 - National Library of Medicine

INTRODUCTION: Agitation is a common symptom in patients with Alzheimer's dementia. But agitation can be a heterogeneous symptom, encompassing a diverse array of behaviors exhibited by patients. The Cohen-Mansfield Agitation Inventory (CMAI) is a 29-item scale that is used to systematically assess the frequency and severity of agitation in older adults as rated by a primary caregiver. [Read more...](#)

27. Impact of an improved outdoor space on people with dementia in a hospital unit

31-07-2024 - National Library of Medicine

CONCLUSION: The garden was regarded positively by families and staff however, there were barriers that prevented it from being better utilised. Staff concerns over risk were not reflected in falls and challenging behaviour outcomes. Further research into how barriers to garden use may be overcome is justified. [Read more...](#)

28. Adherence to cognitive and physical exercise engagement: a challenge to successful dementia risk reduction and prevention efforts

31-07-2024 - National Library of Medicine

With human life expectancy and proportion of older adults increasing, global use of evidence-supported preventative methods to minimize risk of brain-related disabilities such as Alzheimer's disease and other dementias-as well as interventions to slow rate of disease progression-is important. Sustained engagement in cognitive and physical exercise programs may prevent or delay dementia onset ... [Read more...](#)

29. Sedentary behavior, brain-derived neurotrophic factor and brain structure in midlife: A longitudinal brain MRI sub-study of the coronary artery risk development in young adults study

31-07-2024 - National Library of Medicine

CONCLUSIONS: Higher brain-derived neurotrophic factor levels may buffer the negative effects of sedentary time on the brain. [Read more...](#)

30. Limited evidence of a shared genetic relationship between C-reactive protein levels and cognitive function in older UK adults of European ancestry

31-07-2024 - National Library of Medicine

CONCLUSION: Whilst our results indicate a weak positive relationship between PRS-CRP and spatial working memory that is specific to older adults, overall, there appears to be no strong effects of PRS-CRP on cognitive function. [Read more...](#)

31. Elder Abuse in Older Adults With Dementia: Protective Factors and Adverse Effects

31-07-2024 - National Library of Medicine

With the rapid increase in the aging population, more attention has been paid to studying older adults with dementia. Despite the fact that older adults with dementia are more likely to be abused compared to their cognitively intact counterparts, little attention has been paid to abuse within this

population. This systematic review, conducted using the PRISMA model, aims to critically examine, ... [Read more...](#)

32. Pharmacological Activities and Molecular Mechanisms of Sinapic Acid in Neurological Disorders

31-07-2024 - National Library of Medicine

Sinapic acid (SA) is a phenylpropanoid derivative found in various natural sources that exhibits remarkable versatile properties, including antioxidant, anti-inflammatory, and metal-chelating capabilities, establishing itself as a promising candidate for the prevention and treatment of conditions affecting the central nervous system, such as Alzheimer's disease (AD), Parkinson's disease (PD), ... [Read more...](#)

33. Effect of a Cardiovascular Polypill on Poststroke Cognition Among Ghanaians: Secondary Analysis of a Randomized Clinical Trial

31-07-2024 - National Library of Medicine

CONCLUSIONS: The cardiovascular polypill is associated with a signal of better cognitive performance over 12 months among stroke survivors. Further definitive trials are warranted. [Read more...](#)

34. Exercise and Cognitive Function Chronic Kidney Disease: A Systematic Review and Meta-Analysis of Efficacy and Harms

31-07-2024 - National Library of Medicine

CONCLUSIONS: Across the spectrum of CKD, exercise had a small but positive and clinically meaningful effect on cognitive function and did not appear to be harmful. Aerobic exercise was particularly beneficial. However, results must be interpreted cautiously due to the low quality of evidence. Nevertheless, care teams may choose to recommend aerobic exercise interventions to prevent cognitive ... [Read more...](#)

35. Evidence for prodromal changes in neuronal excitability and neuroinflammation in the hippocampus in young alpha-synuclein (A30P) transgenic mice

31-07-2024 - National Library of Medicine

INTRODUCTION: Neuronal hyperexcitability and neuroinflammation are thought to occur at early stages in a range of neurodegenerative diseases. Neuroinflammation, notably activation of microglia, has been identified as a potential prodromal marker of dementia with Lewy bodies (DLB). Using a transgenic mouse model of DLB that over-expresses human mutant (A30P) alpha-synuclein (h α -syn) we have ... [Read more...](#)

36. BIN1 rs744373 SNP and APOE alleles specifically associate to common diseases

31-07-2024 - National Library of Medicine

APOE ϵ 4 and BIN1 are the two main genetic risk factors for sporadic Alzheimer's Disease (AD). Among several BIN1 variants, the rs744373 is frequently associated with AD risk by contributing to tau pathology and poor cognitive performance. This study addressed the association of APOE and BIN1 rs744373 to specific characteristics in a Portuguese primary care-based study group, denoted pcb-Cohort. [Read more...](#)

37. Randomized Controlled Trial of Intradialytic Cognitive and Physical Training to Enhance Functional Capacity

31-07-2024 - National Library of Medicine

CONCLUSION: This study demonstrates that a 12 week combined cognitive and physical training program during HD sessions significantly enhances cognitive function and mobility in patients on

HD. These findings suggest that integrated interventions can mitigate functional declines in this population and improve their overall quality of life. Further research with larger samples and active ... [Read more...](#)

38. Osteoporosis as a Potential Modifiable Risk Factor for Dementia in Thailand: A Cross-Sectional Analysis

31-07-2024 - National Library of Medicine

CONCLUSION: The study findings suggest an elevated risk of dementia in patients with osteoporosis and contribute substantially to our understanding of the link between osteoporosis and dementia in the Thai population. [Read more...](#)

39. Transtheoretical model to predict the stages of changes in smoking cessation behavior among adolescents

31-07-2024 - National Library of Medicine

CONCLUSION: These findings indicated that parental education is a significant predictor of the preparation stage of smoking cessation, highlighting the importance of the family environment in facilitating smoking cessation among adolescents. Accordingly, communication and support at home could help reinforce adolescents' determination to quit smoking and make relevant plans. [Read more...](#)

40. Frailty Trajectories and Its Associated Factors in Japanese Older Adults

31-07-2024 - National Library of Medicine

CONCLUSION: Our findings from a 13-year longitudinal study identified five frailty trajectory patterns and seven associated factors for frailty trajectory. Proposed effective population-based frailty prevention strategies in each age group may contribute to effective strategies to extend healthy life expectancy in aging, aged, and super-aged communities. [Read more...](#)

41. Leisure-time physical activity as a key protective factor against cognitive decline in older adults: an isotemporal substitution analysis

31-07-2024 - National Library of Medicine

This study aimed to test hypothesized effects of replacing sedentary behavior with moderate-to-vigorous physical activity, sleep, and different domains of physical activity by equivalent amounts on suggestive cognitive decline in an older adult population. This was a cross-sectional study including 473 older adults aged ≥ 60 years. Cognitive decline was assessed using the Mini-Mental Health ... [Read more...](#)

42. Cognitive aging in rural communities: preliminary memory characterization of a community cohort from Southern Nevada

31-07-2024 - National Library of Medicine

INTRODUCTION: Rural-dwelling older adults face unique health challenges that may increase risk for Alzheimer's disease and dementia but are underrepresented in aging research. Here, we present an initial characterization of a rural community cohort compared to an urban cohort from the same region. [Read more...](#)

43. Primary care biomarkers and dementia in people of the Torres Strait, Australia: extended data analysis

31-07-2024 - National Library of Medicine

CONCLUSIONS: The results of this study support findings from our previous work and indicate that microalbuminuria can be an early indicator of dementia risk in this population. The weight and lipid profile findings reflect the mixed results in the published literature and require further investigation and interpretation. [Read more...](#)

44. Characteristics and Effectiveness of Physical Therapist-Supervised Exercise Interventions for Nursing Home Residents With Dementia: A Systematic Review

31-07-2024 - National Library of Medicine

BACKGROUND AND OBJECTIVES: Although physical therapy, in particular exercise therapy, is widely used in nursing home residents with dementia, the literature on this topic is relatively scarce. This systematic review aimed to summarize the literature on the characteristics and effectiveness of exercise interventions supervised by physical therapists in nursing home residents with dementia. [Read more...](#)

45. Utilization of the Intimacy and Sexuality Expression Preference tool in long-term care: a case study

31-07-2024 - National Library of Medicine

INTRODUCTION: Sexual wellness plays a crucial role in an individual's quality of life, interpersonal relationships, and self-concept, particularly among older adults residing in residential aged care facilities, including those with dementia. However, there is currently a limited person-centered approach to understanding the unique preferences of each older person regarding their intimate and ... [Read more...](#)

46. APOE-epsilon4 allele[s]-associated adverse events reported from placebo arm in clinical trials for Alzheimer's disease: implications for anti-amyloid beta therapy

31-07-2024 - National Library of Medicine

APOE-ε4 allele[s] is a risk factor for Alzheimer's disease (AD) and Amyloid-Related Imaging Abnormalities (ARIA) in anti-amyloid beta therapy, and is also associated with cerebrovascular risk factors such as hyperlipidemia or atherosclerosis. During AD clinical trials, APOE-ε4 carriers may experience neuropsychiatric adverse events (AEs) related to these risks, ... [Read more...](#)

47. Preserved visuoconstruction in patients with Alzheimer's pathology and anti-neural autoantibodies: A case control study

31-07-2024 - National Library of Medicine

BACKGROUND: Alzheimer's disease (AD) is seldom reported to be associated with neural autoantibodies apart from those involved in axonal neurodegeneration and amyloidopathy in prior studies. Nevertheless, this is an under-investigated aspect of AD. As we do not know whether additional screening for autoantibodies in AD patients has additional diagnostic and therapeutic value, ... [Read more...](#)

48. Views and experiences on the use of voice assistants by family and professionals supporting people with cognitive impairments

31-07-2024 - National Library of Medicine

The use of voice assistants (e.g., Amazon Alexa, Google Home) is being widely advocated as part of supporting people living with dementia at home. The development of this technology is largely driven by industry, and there is little research to determine how family carers and professionals use voice assistants with people with dementia. This paper presents the findings from further analysis ... [Read more...](#)

49. Cluster-based analysis of PTSD-Checklist for DSM-5 (PCL-5) in civilians with post-concussive cognitive changes

31-07-2024 - National Library of Medicine

CONCLUSION: The association between specific PCL-5 clusters and lower MoCA scores may represent a viable target for psychotherapeutic and psychopharmacologic intervention in patients with cognitive changes associated with PPCS. [Read more...](#)

50. Training and provision of mobility aids to promote autonomy and mobility of older patients in a geriatric emergency department: A protocol for a randomized controlled trial

31-07-2024 - National Library of Medicine

Older adults have higher rates of emergency department (ED) admissions when compared to their younger counterparts. Mobility is the ability to move around, but also encompasses the environment and the ability to adapt to it. Walking aids can be used to improve mobility and prevent falls. According to international guidelines, they must be available in Geriatric EDs. [Read more...](#)

51. The efficacy of a mobile-based multidomain program on cognitive functioning of residents in assisted living facilities

31-07-2024 - National Library of Medicine

CONCLUSION: The present study provides suggestive evidence for an overall positive effect of the use of the Silvia Program on the cognitive functioning among residents in ALFs. [Read more...](#)

52. The usability of virtual reality to train individuals in responding to behaviors related to dementia

31-07-2024 - National Library of Medicine

INTRODUCTION: Dementia is associated with several behavioral changes globally referred to as Behavioral and Psychological Symptoms of Dementia (BPSD) of which many are recognized to be the expression of unmet needs triggered by environmental factors. BPSD are an extreme source of stress for family care partners and health care providers alike and can be the reason why people living with ... [Read more...](#)

53. Testing central auditory processing abilities in older adults with and without dementia using the consonant-vowel dichotic listening task

31-07-2024 - National Library of Medicine

CONCLUSION: The reduction in asymmetry on dichotic listening tasks may be a marker of MCI and reflect underlying compensatory mechanisms. Use of this test could aid stratification of patients with memory disorders. Whether abnormalities could predict dementia onset needs longitudinal investigation in a larger sample. [Read more...](#)

54. Impact of state and trait emotion regulation on daily emotional exhaustion among Korean school counsellors

31-07-2024 - National Library of Medicine

School counsellors in South Korea face significant emotional exhaustion due to their challenging occupational environment. Previous studies have shown that cognitive reappraisal (CR) reduces emotional exhaustion, whereas expressive suppression (ES) increases it. However, these findings predominantly rely on trait questionnaires within cross-sectional approaches, ... [Read more...](#)

55. Making Co-Design More Responsible: Case Study on the Development of an AI-Based Decision Support System in Dementia Care

31-07-2024 - National Library of Medicine

CONCLUSIONS: This case study shows that a co-design process that focuses on opportunities for innovation rather than balancing attention for both positive and negative implications may result in knowledge gaps related to social and ethical implications and how they can be addressed. In the pursuit of responsible outcomes, co-design facilitators could broaden their scope and reconsider the ... [Read more...](#)

56. Adverse childhood experiences and cognitive function in later life: the sequential mediating roles of education level and adult loneliness

31-07-2024 - National Library of Medicine

CONCLUSION: Our study unveils a substantial association between ACEs and education level, as well as with FOL and cognitive function in the older adults. Moreover, education level and FOL serve as sequential mediating factors in the relationship between ACEs and cognitive function.

[Read more...](#)

57. Last year of life care transitions between long-term care insurance services in Japan: Analysis of long-term care insurance claims data

31-07-2024 - National Library of Medicine

CONCLUSION: Over half the participants requiring LTC underwent one or more care transitions in the year before death. Policy deliberations regarding enhancing care under the LTCI system at the end of life and optimizing care transitions are necessary. *Geriatr Gerontol Int* 2024 ••: •••••.

[Read more...](#)

58. Remote data collection speech analysis in people at risk for Alzheimer's disease dementia: usability and acceptability results

31-07-2024 - National Library of Medicine

INTRODUCTION: Digital cognitive assessments are gathering importance for the decentralized remote clinical trials of the future. Before including such assessments in clinical trials, they must be tested to confirm feasibility and acceptability with the intended participant group. This study presents usability and acceptability data from the Speech on the Phone Assessment (SPeAk) study. [Read more...](#)

59. Contribution of life course cardiovascular risk factors to racial disparities in dementia incidence

31-07-2024 - National Library of Medicine

CONCLUSIONS: We found that CVRFs across the life course partially explain disparities in dementia risk and cognition in late-life. Improved prevention and treatment of CVRFs across the life course may be important to reduce health disparities for dementia. [Read more...](#)

60. Beneficial effects of physical exercise and an orally active mGluR2/3 antagonist pro-drug on neurogenesis and behavior in an Alzheimer's amyloidosis model

31-07-2024 - National Library of Medicine

CONCLUSION: Our study points to BCI-838 as a safe and orally active compound capable of mimicking the beneficial effect of PE on AHN and recognition memory in a mouse model of AD amyloid pathology. [Read more...](#)

61. A systematic review of the impact of type 2 diabetes on brain cortical thickness

31-07-2024 - National Library of Medicine

INTRODUCTION: Type 2 diabetes (T2D) has been linked to cognitive impairment and dementia, but its impact on brain cortical structures in individuals prior to or without cognitive impairment remains unclear. [Read more...](#)

62. Assessing the Effectiveness of eHealth Interventions to Manage Multiple Lifestyle Risk Behaviors Among Older Adults: Systematic Review and Meta-Analysis

31-07-2024 - National Library of Medicine

CONCLUSIONS: eHealth-based MHBC interventions may be a promising strategy to increase PA, improve diet, and reduce smoking among older adults. However, the effect sizes were small.

Further high-quality, older adult-oriented research is needed to develop eHealth interventions that can change multiple behaviors. [Read more...](#)

63. Association of modified dementia risk score with cerebrospinal fluid biomarkers and cognition in adults without dementia

31-07-2024 - National Library of Medicine

INTRODUCTION: This study aimed to investigate the cognitive profile and prospective cognitive changes in non-demented adults with elevated Modified Dementia Risk Scores (MDRS), while also exploring the potential relationship between these associations and cerebrospinal fluid (CSF) biomarkers of Alzheimer's disease (AD) pathology and neuroinflammation. [Read more...](#)

64. The Dual Burden of Frailty and Heart Failure

31-07-2024 - National Library of Medicine

Frailty is highly prevalent among patients with heart failure (HF) and independently predicts adverse outcomes. However, optimal frailty definitions, assessments, and management in HF remain unclear. Frailty is common in HF, affecting up to 80% of patients depending on population characteristics. Even pre-frailty doubles mortality risk versus robust patients. [Read more...](#)

65. Including personal boundaries scale: development and psychometric properties of a measurement for nurses' self-efficacy toward intimate and sexual behavior in dementia care

31-07-2024 - National Library of Medicine

CONCLUSION: The presented IPB scale, a nine-item scale, is a short, robust measure to assess nurses' self-efficacy in their capabilities to include personal boundaries (physical and emotional) when confronted with the intimate and sexual behaviors of residents with dementia. Further validation is recommended. The IPB scale could provide valuable insights for research, clinical practice, ... [Read more...](#)

66. Herbal medicines in Alzheimer's disease and the involvement of gut microbiota

31-07-2024 - National Library of Medicine

Alzheimer's disease (AD) is a progressive neurodegenerative disorder characterized by memory loss and cognitive impairment. It severely affects the quality of life of victims. The prevalence of AD has been increasing in recent years. Therefore, it is of great importance to elucidate the pathogenic mechanism of AD and search for effective therapeutic approaches. [Read more...](#)

67. Cognitive trajectories during the menopausal transition

31-07-2024 - National Library of Medicine

CONCLUSIONS: Perimenopause and post-menopause are associated with cognitive changes. Psychomotor speed appears to be most sensitive to the menopause transition, whereas other cognitive functions may be less susceptible. More sensitive structural or functional brain imaging may be required to understand the underlying neural basis for these findings. [Read more...](#)

68. Astrocyte reactivity is associated with tau tangle load and cortical thinning in Alzheimer's disease

31-07-2024 - National Library of Medicine

BACKGROUND: It is not fully established whether plasma β -amyloid(A β)(42)/A β (40) and phosphorylated Tau(181) (p-Tau(181)) can effectively detect Alzheimer's disease (AD) pathophysiology in older Chinese adults and how these biomarkers correlate with astrocyte reactivity, A β plaque deposition, tau tangle aggregation, and neurodegeneration. [Read more...](#)

69. Tracking neuroinflammatory biomarkers in Alzheimer's disease: a strategy for individualized therapeutic approaches?

31-07-2024 - National Library of Medicine

CONCLUSIONS: The present review outlines the current knowledge on potential neuroinflammatory biomarkers and, importantly, emphasizes the role of longitudinal analyses, which are needed to accurately monitor the dynamics of cerebral inflammation. Such a precise information on time and place will be required before anti-inflammatory therapeutic interventions can be considered for clinical ... [Read more...](#)

70. Perspectives on brain health and dementia prevention in Latin America: challenges and opportunities

31-07-2024 - National Library of Medicine

While age-specific dementia prevalence is falling in many countries, several recent reviews estimate prevalence in Latin America to be higher than anywhere else in the world. This may be, in part, due to the high incidence of socioeconomic and health-related risk factors present in the region. However, growing evidence suggests that primary and secondary prevention via modifiable risk factors ... [Read more...](#)

71. The Best of Two Worlds to Promote Healthy Cognitive Aging: Definition and Classification Approach of Hybrid Physical Training Interventions

31-07-2024 - National Library of Medicine

A healthy lifestyle can be an important prerequisite to prevent or at least delay the onset of dementia. However, the large number of physically inactive adults underscores the need for developing and evaluating intervention approaches aimed at improving adherence to a physically active lifestyle. In this regard, hybrid physical training, which usually combines center- and home-based physical ... [Read more...](#)

72. Cerebrovascular lesion loads and accelerated brain aging: insights into the cognitive spectrum

31-07-2024 - National Library of Medicine

INTRODUCTION: White matter hyperintensities (WMHs) and cerebral microbleeds are widespread among aging population and linked with cognitive deficits in mild cognitive impairment (MCI), vascular MCI (V-MCI), and Alzheimer's disease without (AD) or with a vascular component (V-AD). In this study, we aimed to investigate the association between brain age, which reflects global brain health, ... [Read more...](#)

73. Efficacy and safety of acupuncture for cognitive impairment in Alzheimer's disease: a systematic review and meta-analysis

31-07-2024 - National Library of Medicine

CONCLUSION: Existing data show that acupuncture therapy has certain advantages in improving cognitive dysfunction and improving self-care ability of patients with Alzheimer's disease. However, due to the small number of RCTS and cases evaluating the efficacy of acupuncture, and the possibility of measurement bias and selectivity bias in included studies, it is still unable to conduct ... [Read more...](#)

74. An alternative method of SNP inclusion to develop a generalized polygenic risk score analysis across Alzheimer's disease cohorts

31-07-2024 - National Library of Medicine

INTRODUCTION: Polygenic risk scores (PRSs) have great clinical potential for detecting late-onset diseases such as Alzheimer's disease (AD), allowing the identification of those most at risk years before the symptoms present. Although many studies use various and complicated machine learning algorithms to determine the best discriminatory values for PRSs, few studies look at the commonality ... [Read more...](#)

75. Systems genetics identifies methionine as a high risk factor for Alzheimer's disease

31-07-2024 - National Library of Medicine

As a dietary strategy, methionine restriction has been reported to promote longevity and regulate metabolic disorders. However, the role and possible regulatory mechanisms underlying methionine in neurodegenerative diseases such as Alzheimer's disease (AD), remain unexplored. This study utilized the data from BXD recombinant inbred (RI) mice to establish a correlation between the AD phenotype ... [Read more...](#)

76. Combining artificial neural networks and a marginal structural model to predict the progression from depression to Alzheimer's disease

31-07-2024 - National Library of Medicine

INTRODUCTION: Decades of research in population health have established depression as a likely precursor to Alzheimer's disease. A combination of causal estimates and machine learning methods in artificial intelligence could identify internal and external mediating mechanisms that contribute to the likelihood of progression from depression to Alzheimer's disease. [Read more...](#)

77. Effects of Electronic Serious Games on Older Adults With Alzheimer's Disease and Mild Cognitive Impairment: Systematic Review With Meta-Analysis of Randomized Controlled Trials

31-07-2024 - National Library of Medicine

CONCLUSIONS: Digital SGs offer a viable and effective nonpharmacological approach for older adults with AD and MCI, yielding better results compared to traditional formats. However, caution is warranted in interpreting these findings due to limited RCTs, small sample sizes, and low-quality meta-analyzed evidence. [Read more...](#)

78. Effect of behavioural activation for individuals with post-stroke depression: systematic review and meta-analysis

30-07-2024 - National Library of Medicine

CONCLUSIONS: Evidence from this review was too little to confirm the effectiveness of behavioural activation as a useful treatment for post-stroke depression when compared with control conditions. Further high-quality studies are needed to conclusively establish the efficacy of behavioural activation as a treatment option for post-stroke depression. [Read more...](#)

79. Triggering Receptor Expressed on Myeloid Cells 2 Alleviated Sevoflurane-Induced Developmental Neurotoxicity via Microglial Pruning of Dendritic Spines in the CA1 Region of the Hippocampus

30-07-2024 - National Library of Medicine

Sevoflurane induces developmental neurotoxicity in mice however, the underlying mechanisms remain unclear. Triggering receptor expressed on myeloid cells 2 (TREM2) is essential for microglia-mediated synaptic refinement during the early stages of brain development. We explored the effects of TREM2 on dendritic spine pruning during sevoflurane-induced developmental neurotoxicity in mice. [Read more...](#)

80. Delirium in neonates and infants: a scoping review protocol

30-07-2024 - National Library of Medicine

INTRODUCTION: Delirium in neonates and infants is difficult to screen or assess because of their different developmental features and distinct delirium characteristics compared with those of older children. Some delirium management strategies, including assessment, pharmacological and non-pharmacological interventions, and prevention strategies, have been previously suggested for paediatric ... [Read more...](#)

81. Heart rate variability and cognitive functions in adolescents with complex congenital heart disease

30-07-2024 - National Library of Medicine

CONCLUSION: Our findings demonstrate an association between HRV and cognitive functions in adolescents with complex CHD. Early detection of alterations in HRV/autonomic regulation may help to identify children with CHD at risk for cognitive impairments. [Read more...](#)

82. Dementia incidence varied by anticancer drugs and molecular targeted therapy in a population-based cohort study

30-07-2024 - National Library of Medicine

Anticancer drugs may affect the incidence of dementia by modulating the common pathophysiology between cancer and dementia. However, there is a paucity of research that focused on anticancer drugs with different mechanisms of action and their associations with subtypes of dementia. Therefore, we aimed to investigate the incidence of dementia according to various groups of anticancer drugs. [Read more...](#)

83. The ASC inflammasome adapter governs SAA-derived protein aggregation in inflammatory amyloidosis

30-07-2024 - National Library of Medicine

Extracellularly released molecular inflammasome assemblies -ASC specks- cross-seed A β amyloid in Alzheimer's disease. Here we show that ASC governs the extent of inflammation-induced amyloid A (AA) amyloidosis, a systemic disease caused by the aggregation and peripheral deposition of the acute-phase reactant serum amyloid A (SAA) in chronic inflammatory conditions. [Read more...](#)

84. Parkinson's, where are we heading?

30-07-2024 - National Library of Medicine

The prevalence of Parkinson's disease has rapidly increased over the last decade. This editorial discusses our current understanding of the pathophysiological basis for the condition, with a particular focus on the potential role of α -synuclein, and the consequent implications this has for both the development of new investigations and disease-modifying therapies. [Read more...](#)

85. Relationship between kinesiophobia, cognitive aspects, level of physical activity, and disability in individuals with migraine: a cross-sectional study

30-07-2024 - National Library of Medicine

CONCLUSION: Kinesiophobia is prevalent in individuals with migraine and should be carefully considered in clinical practice, as it harms participation in physical activities and is associated with worse cognitive and behavioral outcomes. [Read more...](#)

86. Associations Between Glucose Metabolism Measures and Amyloid- β and Tau Load on PET 14 Years Later: Findings From the Framingham Heart Study

30-07-2024 - National Library of Medicine

CONCLUSIONS: Our findings suggest that glucose metabolism is associated with increased future tau but not amyloid- β load. This provides relevant knowledge for prevention strategies and prognostics to improve health care. [Read more...](#)

87. Efficacy of Digital Dance on Brain Imagery, Cognition, and Health: Randomized Controlled Trial

30-07-2024 - National Library of Medicine

CONCLUSIONS: Digital somatosensory dance game participation for 6 months was associated with brain imagery changes in multiple regions involving somatosensory, motor, visual, and

attention functions, which were consistent with phenotypic improvements associated with healthy aging. [Read more...](#)

88. A mediation approach in resting-state connectivity between the medial prefrontal cortex and anterior cingulate in mild cognitive impairment

30-07-2024 - National Library of Medicine

Mild cognitive impairment (MCI) is recognized as the prodromal phase of dementia, a condition that can be either maintained or reversed through timely medical interventions to prevent cognitive decline. Considerable studies using functional magnetic resonance imaging (fMRI) have indicated that altered activity in the medial prefrontal cortex (mPFC) serves as an indicator of various cognitive ... [Read more...](#)

89. Alzheimer's Disease and Vascular Dementia, Connecting and Differentiating Features

30-07-2024 - National Library of Medicine

Alzheimer's disease (AD) and vascular dementia (VD) are the leading causes of dementia, presenting a significant challenge in differential diagnosis. While their clinical presentations can overlap, their underlying pathologies are distinct. AD is characterized by the accumulation of amyloid plaques and neurofibrillary tangles, leading to progressive neurodegeneration. [Read more...](#)

90. Interaction between alimentary surgery and risk of dementia: a nationwide population-based case-control study

30-07-2024 - National Library of Medicine

CONCLUSION: Our study demonstrates that gastrectomy is associated with an elevated risk of dementia. We aim to uncover more direct evidence in future experiments. [Read more...](#)

91. Group-based trajectories of potentially preventable hospitalisations among older adults after a hip fracture

30-07-2024 - National Library of Medicine

CONCLUSIONS: Identifying trajectories of PPH after a hip fracture and factors predictive of trajectory group membership could be used to target strategies to reduce multiple readmissions. [Read more...](#)

92. Developmental exposure to arsenic reduces anxiety levels and leads to a depressive-like behavior in female offspring rats: molecular changes in the prefrontal cortex

30-07-2024 - National Library of Medicine

Exposure to inorganic arsenic (iAs) detrimentally affects the structure and function of the central nervous system. In-utero and postnatal exposure to iAs has been connected to adverse effects on cognitive development. Therefore, this investigation explores neurobehavioral and neurochemical effects of 0.05 and 0.10mg/L iAs exposure during gestation and lactation periods on 90-day-old female ... [Read more...](#)

93. Emotional and cognitive influences on alcohol consumption in middle-aged and elderly Tanzanians: a population-based study

30-07-2024 - National Library of Medicine

Alcohol consumption in Tanzania exceeds the global average. While sociodemographic difference in alcohol consumption in Tanzania have been studied, the relationship between psycho-cognitive phenomena and alcohol consumption has garnered little attention. Our study examines how depressive symptoms and cognitive performance affect alcohol consumption, considering sociodemographic variations. [Read more...](#)

94. Influence of Regular Physical Activity on Sleep

30-07-2024 - National Library of Medicine

Good sleep and adequate physical activity are essential to health. Yet, large numbers of people are chronically deficient in sleep and physical activity. About 1 in 3 Americans get less than 7 h of sleep per night and only 1 of 4 adults regularly complete weekly physical activity in amounts recommended for good health. This chapter reviews research that has examined relationships between ... [Read more...](#)

95. The impact of hypoglycaemia on daily functioning among adults with diabetes: a prospective observational study using the Hypo-METRICS app

30-07-2024 - National Library of Medicine

CONCLUSIONS/INTERPRETATION: This prospective, real-world study reveals impact on several domains of daily functioning following PRH but not following SDH alone. These data suggest that the observed negative impact is mainly driven by subjective awareness of hypoglycaemia (i.e. PRH), through either symptoms or sensor alerts/readings and/or the need to take action to prevent or treat episodes. [Read more...](#)

96. Association between Blood Pressure and Post-Stroke Cognitive Impairment: A Meta-Analysis

30-07-2024 - National Library of Medicine

CONCLUSIONS: Considering the multifactorial etiology of PSCI, it is difficult to conclude that BP is an independent risk factor for PSCI. Given the restricted inclusion of studies, caution is advised when interpreting the findings from this meta-analysis. Subsequent investigations with substantial sample sizes are essential to exploring BP as a prospective target for addressing PSCI. [Read more...](#)

97. Dietary choline and betaine intake minimally impacts rate of annualized cognitive performance throughout the menopause transition: data from the Study of Women's Health Across the Nation

30-07-2024 - National Library of Medicine

CONCLUSIONS: Higher dietary betaine intake among early perimenopausal women and higher dietary intakes of betaine and choline, independently and combined, among all women, were minimally associated with the trajectory of verbal episodic memory, yet no associations between diet and cognition were observed among premenopausal women. Future research should address the relationship between ... [Read more...](#)

98. Relapsing meningitis and limbic encephalitis in anti-AQP4-Ab-associated neuromyelitis optica spectrum disorder

30-07-2024 - National Library of Medicine

OBJECTIVES: neuromyelitis optica spectrum disorder (NMOSD) is a rare autoimmune disease mainly affecting optic nerves and the spinal cord. Due to the potentially irreversible tissue damage, prevention of relapses is of utmost importance. [Read more...](#)

99. Subjective cognitive decline and objective cognitive performance in older adults: A systematic review of longitudinal and cross-sectional studies

30-07-2024 - National Library of Medicine

Older adults with subjective cognitive decline (SCD) have a higher risk of developing future cognitive decline than those without SCD. However, the association between SCD and objective cognitive performance remains unclear. This PRISMA 2020-compliant systematic review aims to provide a qualitative assessment of the longitudinal and cross-sectional relationship between SCD and objective ... [Read more...](#)

100. Functional and structural abnormalities of thalamus in individuals at early stage of schizophrenia

30-07-2024 - National Library of Medicine

CONCLUSIONS: Our findings revealed decreased thalamocortical FC associated with cognitive deficits in FES and UHR subjects. This improves our understanding of the functional alterations in thalamus in prodromal stage of schizophrenia and the related factors of the cognitive impairment of the disease. [Read more...](#)

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Living well with dementia

1. The association between household and family composition and mental health of the elderly: mediating role of lifestyle

30-07-2024 - National Library of Medicine

CONCLUSIONS: Living with a spouse was associated with benefits for the mental health of middle-aged and older adults (especially older and female individuals), through modifying better lifestyles than those of individuals with the other two types of the household and family composition. [Read more...](#)

2. What factors preventing the older adults in China from living longer: a machine learning study

22-07-2024 - National Library of Medicine

CONCLUSIONS: The study indicated that the importance of these 8 factors for predicting the death of elderly people in China and built a simple machine learning model with good predictive performance. It can inspire future key research directions to promote longevity of the elderly, as well as in practical life to make the elderly healthy longevity, or timely end-of-life care for the elderly, ... [Read more...](#)

3. Design and development of a new pictorial tool to facilitate communication around advance care planning

18-07-2024 - National Library of Medicine

CONCLUSIONS: The new pictorial tool comprises a set of 12 cartoons that can guide professionals as they seek to engage frail older adults with advanced/chronic disease in conversations about the end of life and ACP. [Read more...](#)

4. Assessment and development of physical education teachers' physical literacy: A systematic review

18-07-2024 - National Library of Medicine

In recent years, physical literacy (PL) has gained a great deal of attention in global academia. Children's physical activity (PA) participation is severely underrepresented today, and students' participation in PA and PL level development is strongly dependent on the PL levels of PE teachers. This study aims to offer information for PE teachers to improve their PL levels and for the future ... [Read more...](#)

5. Acceptability and preliminary effects of the volunteer-supported Meaningful Moments program to engage older adults with advanced dementia on a hospital-based specialized dementia care unit: a mixed methods study

11-07-2024 - National Library of Medicine

CONCLUSIONS: Using a one-on-one approach by volunteers, patients experienced perceived benefits such as improved mood and opportunities for social interactions. There is a need for

tailored activities for older adults with advanced dementia through practical strategies that can offer benefit to patients. [Read more...](#)

6. Community-based exercises improve health status in pre-frail older adults: A systematic review with meta-analysis

10-07-2024 - National Library of Medicine

CONCLUSIONS: Community-based exercise intervention is superior to minimal intervention for improving health status in pre-frail older adults. This has implications on the implementation of community-based exercise intervention by healthcare providers and policymakers. [Read more...](#)

7. Stepping towards health: a scoping review of square-stepping exercise protocols and outcomes in older adults

10-07-2024 - National Library of Medicine

CONCLUSION: This review comprehensively described the characteristics of 37 studies employing SSE in apparently healthy older adults and older adults with neurological diseases. The findings demonstrated that SSE has been used by researchers across the globe, adopting a variety of forms of delivery, and to particularly improve physical and cognitive function of different segments of the older ... [Read more...](#)

8. Identifying determinants for falls among Iranian older adults: insights from the Bushehr Elderly Health Program

09-07-2024 - National Library of Medicine

CONCLUSION: The presence of underlying diseases, combined with other risk factors, is significantly associated with an increased risk of falls among older adults. Given the relatively high prevalence of falls in this population, it is crucial to pay special attention to identifying and addressing these risk factors. [Read more...](#)

9. Guideline summary: assessment, diagnosis, care and support for people with dementia and their carers [Scottish Intercollegiate Guidelines Network SIGN Guideline 168]

06-07-2024 - National Library of Medicine

The Scottish Intercollegiate Guidelines Network (SIGN) have recently published their guideline SIGN168 on 'Assessment, Diagnosis, Care, and Support for People with Dementia and their Carers'. The guideline makes evidence-based recommendations for best practice in the assessment, care and support of adults living with dementia. Topics featured in this guideline are limited to those prioritised ... [Read more...](#)

10. Implementation and evaluation of a community-based mindful walking randomized controlled trial to sustain cognitive health in older African Americans at risk for dementia

04-07-2024 - National Library of Medicine

BACKGROUND: With an increasing proportion of older adults and the associated risk of Alzheimer's Disease and Related Dementias (ADRD) around the globe, there is an urgent need to engage in ADRD risk reduction efforts. African American (AA) older adults in the U.S. are disproportionately impacted by ADRD compared to other races and ethnicities. Mindful walking integrates two potentially ... [Read more...](#)

11. Screening for frailty and its association with activities of daily living, cognitive impairment, and falls among community-dwelling older adults in China

03-07-2024 - National Library of Medicine

CONCLUSIONS: According to the 5-item FRAIL scale, frailty was associated with limitations in BADLs and IADLs, positive cognitive impairment screening, and recent falls among older adults

living in the community. Screening for frailty in younger age groups has the potential to prevent declines in physical function and falls. [Read more...](#)

12. Multimorbidity and associated informal care receiving characteristics for US older adults: a latent class analysis

03-07-2024 - National Library of Medicine

CONCLUSIONS: Results highlighted different care needs among persons with distinct combinations of multimorbidity, in particular the wide range of informal needs among older adults with multisystem multimorbidity. Policies and interventions should recognize the differential care needs associated with multimorbidity patterns to better provide person-centered care. [Read more...](#)

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Mental health and ageing

1. Latino-Hispanic Unsheltered Homelessness Before and After COVID-19

31-07-2024 - National Library of Medicine

Objectives. To identify sociodemographic shifts among unsheltered Latino people experiencing homelessness (PEH) between 2020-2022. **Methods.** We examined differences in characteristics reported in demographic surveys for Latino PEH older than 25 years from 2020 (n = 1215) and 2022 (n = 1395) in Los Angeles County, California, using weighted bivariate χ^2 tests. **Results.** [Read more...](#)

2. Sexual dysfunction among people with mental illness in Africa: A systematic review and meta-analysis study

31-07-2024 - National Library of Medicine

CONCLUSION: This meta-analysis revealed that approximately two-thirds of psychiatric patients in Africa are affected by sexual dysfunction. Therefore, the findings of this study recommend that when evaluating psychiatric patients, health professionals should focus more on sexual dysfunction. It is also essential to promote awareness and incorporate sexual health assessment and intervention ... [Read more...](#)

3. The effect of education level on depressive symptoms in Chinese older adults-parallel mediating effects of economic security level and subjective memory ability

29-07-2024 - National Library of Medicine

CONCLUSIONS: Education level not only directly influences depressive symptoms in older adults, but also indirectly through the economic security level and subjective memory ability. Educational level can reduce depressive symptoms in older adults by increasing their economic security level and enhancing their subjective memory ability. The findings of this study emphasize the importance of ... [Read more...](#)

4. Interaction between visual impairment and genetic risk of dementia and psychosis in older adults

26-07-2024 - National Library of Medicine

CONCLUSIONS: The association between VI and neuropsychiatric outcomes is not explained by shared genetic risk factors, and there is a significant interaction between VI and polygenic risk of hallucinations in older adults. [Read more...](#)

5. Willingness to use mental health counseling in diverse groups of Asian Americans

26-07-2024 - National Library of Medicine

Responding to the underutilization of mental health services in Asian American communities, we examined factors associated with their willingness to use mental health counseling. Applying Andersen's Behavioral Health Service Model, we focused on the role of mental health needs and prior use of mental health counseling in shaping the attitudes toward mental health counseling of diverse groups ... [Read more...](#)

6. The effect of childhood family adversity on adulthood depression among Chinese older migrant workers: gender differences in the mediating role of social-ecological systems

26-07-2024 - National Library of Medicine

CONCLUSIONS: The findings suggest that childhood family adversity has a lasting impact on the mental health of OMWs, and that social-ecological systems factors play an important role in this relationship. The study also highlights the need for gender-specific interventions to address the mental health needs of OMWs. [Read more...](#)

7. Outcomes associated with postoperative cognitive dysfunction: a systematic review and meta-analysis

26-07-2024 - National Library of Medicine

CONCLUSIONS: Patients undergoing cardiac and noncardiac surgeries who developed POCD <30 days postsurgery had poorer outcomes and an increased risk of premature death. Early recognition of perioperative neurocognitive disorders in at-risk patients may enable early intervention. However, POD may confound our findings, with further studies necessary to disentangle the effects of POD from POCD ... [Read more...](#)

8. Longitudinal cross-lagged analysis of depression, loneliness, and quality of life in 12 European countries

25-07-2024 - National Library of Medicine

CONCLUSIONS: This study highlighted the need to simultaneously assess and manage depression, loneliness, and quality of life in the older European population. It is suggested that sex-specific policies can be created, including social support, in order to reduce depression and loneliness, and promote quality of life. [Read more...](#)

9. The Effect of Mindfulness-Based Interventions on Mental Health and Cognitive Function in Older Adults: A Systematic Review and Meta-Analysis

24-07-2024 - National Library of Medicine

OBJECTIVES: To assess whether mindfulness-based interventions (MBIs) affect mental health and cognitive abilities in older adults. [Read more...](#)

10. Association between the incidence of functional disability and frequency of eating together among older adults living alone: a 6-year follow-up study from the Japan Gerontological Evaluation Study

23-07-2024 - National Library of Medicine

CONCLUSION: Among older adults living alone, infrequent eating together ('seldom') was identified as a risk factor for developing functional disability. [Read more...](#)

11. Resilience during lockdown: a longitudinal study investigating changes in behaviour and attitudes among older females during COVID-19 lockdown in the UK

23-07-2024 - National Library of Medicine

In order to slow the spread of COVID-19, on March 23, 2020, a strict lockdown was implemented in the UK. This was followed by alternating periods of less restrictive lockdowns until most public

health restrictions were lifted in the summer of 2021. While these measures were necessary, they significantly affected people's daily activities, lifestyles, and mental well-being. [Read more...](#)

12. Deficits of facial emotion recognition in elderly individuals with mild cognitive impairment

23-07-2024 - National Library of Medicine

CONCLUSION: We observed a significant association between the deficits in facial emotion recognition and cognitive impairment in elderly individuals. [Read more...](#)

13. Non-linear association of liver enzymes with cognitive performance in the elderly: A cross-sectional study

23-07-2024 - National Library of Medicine

CONCLUSIONS: There is a non-linear relationship between liver enzymes and cognitive performance, indicating that liver enzyme levels should be maintained within a certain level to mitigate the risk of cognitive impairment. [Read more...](#)

14. Risk factors associated with self-rated health among elderly females with different visual abilities in Chinese urban areas: a population-based study

23-07-2024 - National Library of Medicine

CONCLUSIONS: Good SRH status was at a low level especially among elderly females with impaired visual ability and the risk factors differed between elderly females with different visual abilities. Social psychological status was crucial for SRH among elderly females with good visual ability whereas physical conditions were prominent for impaired visual ability group. [Read more...](#)

15. Introduction to the Costs of Alzheimer's Disease and Related Dementias

22-07-2024 - National Library of Medicine

This special issue is the result of the Michigan Center for Contextual Factors in Alzheimer's Disease (MCCFAD) third Summer Data Immersion (SDI) program held on May 23-26, 2022. Thirty-seven researchers from 17 universities participated in the program, which emphasized racial/ethnic and other contextual factors in the study of Alzheimer's disease and related dementias (ADRD) costs using a ... [Read more...](#)

16. Constructing prediction models and analyzing factors in suicidal ideation using machine learning, focusing on the older population

22-07-2024 - National Library of Medicine

Suicide among the older population is a significant public health concern in South Korea. As the older individuals have long considered suicide before committing suicide trials, it is important to analyze the suicidal ideation that precedes the suicide attempt for intervention. In this study, six machine learning algorithms were employed to construct a predictive model for suicidal thinking ... [Read more...](#)

17. Cross-sectional study of cognitive impairment and visual impairment among the elderly population in residential care in India: the Hyderabad Ocular Morbidity in Elderly Study (HOMES)

22-07-2024 - National Library of Medicine

CONCLUSIONS: CI was highly prevalent among those with distance and near VI. VI was independently and positively associated with CI after adjusting for potential confounders. Interventions can be planned to address VI in this vulnerable population which could have a ripple effect in preventing cognitive decline. [Read more...](#)

18. Sociodemographic and Clinical Characteristics of Older Adults With Suicide-Related Emergency Department Presentations

20-07-2024 - National Library of Medicine

OBJECTIVES: To identify characteristics of older adult emergency department (ED) patients aged ≥ 65 with suicidal ideation and/or behavior. [Read more...](#)

19. Loneliness and its correlation with self-care and activities of daily living among older adults: a partial least squares model

20-07-2024 - National Library of Medicine

CONCLUSION: This study underscores the complex interplay between loneliness, self-care, and ADL. It highlights the need for interventions that address emotional health and daily living skills as part of comprehensive self-care strategies. Further research is needed to explore these relationships in more detail and to develop targeted interventions for different demographic groups. [Read more...](#)

20. Psychosocial Well-Being Differences Between the Young Old, Old-Old, and Oldest Old: A Global Comparison

20-07-2024 - National Library of Medicine

OBJECTIVES: We investigate global differences in psychosocial well-being between older adult age groups. [Read more...](#)

21. Exploring determinants of flourishing: a comprehensive network analysis of retirees in Taiwan

19-07-2024 - National Library of Medicine

CONCLUSION: This study provides a comprehensive network analysis that reveals intricate connections between personal, behavioral, and environmental factors, offering profound insights for targeted interventions to foster human flourishing. [Read more...](#)

22. Older caregivers' depressive symptomatology over time: evidence from the Survey of Health, Ageing and Retirement in Europe

19-07-2024 - National Library of Medicine

The prevalence of informal caregiving is increasing as populations across the world age. Caregiving has been found to be associated with poor mental health outcomes including depressive symptoms. The purpose of this study is to examine the mean trajectory of depressive symptomatology in older caregivers in a large European sample over an eight-year period, the effects of time-varying and ... [Read more...](#)

23. Natural and human-made disaster and associated health outcomes among community-dwelling older adults in India: Findings from LASI, 2017-18

18-07-2024 - National Library of Medicine

CONCLUSIONS: Relative to their non-exposed counterparts, older Indians who survived natural or human-made disasters endured an inflated risk of poor self-rated health, functional difficulties, communicable and non-communicable diseases, depressive symptoms, and psychiatric disorders. As such, post-disaster efforts should be grounded in policies and programs that address disaster-related ... [Read more...](#)

24. Diagnostic accuracy, reliability, and construct validity of the German quick mild cognitive impairment screen

18-07-2024 - National Library of Medicine

CONCLUSION: Our findings corroborate the existing evidence of the Qmci's good diagnostic accuracy, reliability, and construct validity. Additionally, the Qmci shows potential in resolving the limitations of commonly used screening tools, such as the Montreal Cognitive Assessment. To verify these findings for the Qmci-G, testing in clinical environments and/or primary health care and direct ... [Read more...](#)

25. Hospital falls clinical practice guidelines: a global analysis and systematic review

18-07-2024 - National Library of Medicine

CONCLUSION: Evidence-based hospital falls guidelines are now available, yet systematic implementation across the hospital sector is more limited. There is a need to ensure an integrated and consistent approach to evidence-based falls prevention for a diverse range of hospital patients. [Read more...](#)

26. Physical and mental health of 40,000 older women in England during the COVID-19 pandemic (2020-2021)

18-07-2024 - National Library of Medicine

CONCLUSIONS: In a large sample of older women in England, just over a quarter reported a deterioration in their physical and mental health during the national lockdowns. In addition to the expected effect of a COVID-19 infection on physical health, the groups who were most likely to report such a deterioration were those with pre-existing morbidity and those who were caring for others as ... [Read more...](#)

27. Impact of SARS-CoV-2 infection on the cognitive functioning of patients institutionalized in nursing homes

17-07-2024 - National Library of Medicine

CONCLUSION: COVID-19 has led to a decline in cognitive functioning, significantly worsening the mental state of older individuals, even after recovery from the virus. Consequently, it is crucial to implement proactive measures to prevent isolation and safeguard the cognitive well-being of this vulnerable population. [Read more...](#)

28. Tackling social disconnection: an umbrella review of RCT-based interventions targeting social isolation and loneliness

17-07-2024 - National Library of Medicine

CONCLUSIONS: This overview of SRs shows small to moderate effectiveness of social interventions in reducing social isolation and psychological ones in tackling loneliness. Further rigorously conducted RCTs and SRs are needed to guide policy decisions regarding the implementation of efficacious and scalable interventions. Evaluation should focus on both preventive structural interventions and ... [Read more...](#)

29. Retinal imaging with hand-held optical coherence tomography in older people with or without postoperative delirium after hip fracture surgery: A feasibility study

16-07-2024 - National Library of Medicine

CONCLUSION: Retinal imaging at the patient's bedside, using hand-held OCT is feasible. Our data suggests that the circumpapillary retinal nerve fibre layer may be thinner in older people who experience postoperative delirium compared to those who do not. Further studies are required. [Read more...](#)

30. Psychological distress among family caregivers of persons with Alzheimer's disease and related dementias in Uganda

15-07-2024 - National Library of Medicine

CONCLUSION: Our findings revealed a heavy burden of psychological distress and depression among Ugandan caregivers of patients with AD/DRD, highlighting the need for structured support systems, including mental health services and gender-responsive interventions in low-resource settings. [Read more...](#)

31. Comparative performance of five cognitive screening tests in a large sample of seniors

15-07-2024 - National Library of Medicine

Introduction Recent introductions of disease-modifying treatments for Alzheimer's disease have re-invigorated the cause of early dementia detection. Cognitive "Paper & pencil" tests represent the bedrock of clinical assessment, because they are cheap, easy to perform, and don't require brain imaging or biological testing. Cognitive tests vary greatly in duration, complexity, ... [Read more...](#)

32. Demographic, socioeconomic and health determinants of depressive symptoms in adults 50 years and older from Mexico: a secondary data longitudinal analysis from the Mexican Health and Aging Study

13-07-2024 - National Library of Medicine

CONCLUSIONS: The prevalence of depressive symptoms in Mexican adults aged 50 and older is high. Our findings show that they are longitudinally associated with the individual's demographic, socioeconomic, health and disability characteristics. Efforts in public policy should focus on preventing chronic conditions and disability, as well as fighting inequalities to reduce the prevalence of ... [Read more...](#)

33. Stimulating leisure-time activities and the risk of dementia: a multi-cohort study

13-07-2024 - National Library of Medicine

CONCLUSION: Stimulating leisure-time activities are associated with a reduced risk of dementia in short-term but not long-term follow-up. These findings may reflect a reduction in leisure-time activity following preclinical dementia or dilution of the association over time. [Read more...](#)

34. Efficacy and safety of butylphthalide in patients with mild cognitive impairment: a multicentre, randomised, double-blind, placebo-controlled trial (EBMCI study)

13-07-2024 - National Library of Medicine

INTRODUCTION: The efficacy of multitarget neuroprotective drug DL-3-n-butylphthalide (NBP) in improving cognitive function has been confirmed in patients with vascular cognitive impairment without dementia. However, its efficacy in patients with symptomatic prodementia phase of Alzheimer's disease remains uncertain. This study aims to evaluate the efficacy and safety of NBP in improving ... [Read more...](#)

35. Out-of-hospital paramedic interactions with people living with dementia: a scoping review

12-07-2024 - National Library of Medicine

CONCLUSION: Emergency ambulance conveyance of people living with dementia is a surface reaction compounded by a lack of direction for paramedics in the provision of out-of-hospital care. There is a pressing need for establishment of research and educational priorities to improve paramedic training in dementia-specific skillsets. [Read more...](#)

36. Comparison of hospitalization events among residents of assisted living and nursing homes during COVID-19: Do settings respond differently during public health crises?

12-07-2024 - National Library of Medicine

CONCLUSIONS: Pandemic-related changes in hospitalization events differed for AL and NH residents and by wave, suggesting unique system and setting factors driving healthcare use and outcomes in these settings in response to this external stress. [Read more...](#)

37. Childhood intra- and extra-familial maltreatment and later-life trajectories of depressive symptoms: evidence from China

12-07-2024 - National Library of Medicine

CONCLUSIONS: Findings in this study suggest that childhood maltreatment is not only associated with later-life poorer mental health but contributes to increasing inequalities in mental health as people age, especially among peer-bullying victims and women. [Read more...](#)

38. Impact of social network composition on cognitive decline: Digital Dementia Registry Bavaria (digiDEM Bayern)

12-07-2024 - National Library of Medicine

CONCLUSION: The results of this study showed that the risk of social isolation from friends is very high among people with cognitive impairment. However, social isolation does not appear to have a bearing influence on the course of cognition. Nevertheless, it is important for people with cognitive impairment to promote and maintain close social contacts with friends. [Read more...](#)

39. Self-perceptions of aging, physical activity, and depressive symptoms in older community residents with varied neighborhood walkability in Taiwan

11-07-2024 - National Library of Medicine

CONCLUSIONS: This study emphasizes key areas on intervention programs and policy formulation to promote mental health in older adults. [Read more...](#)

40. The impact of discharge letter content on unplanned hospital readmissions within 30 and 90 days in older adults with chronic illness - a mixed methods study

10-07-2024 - National Library of Medicine

CONCLUSIONS: While written summaries play a role, they may not be sufficient on their own to ensure safe care transitions and effective self-care management post-discharge. [Read more...](#)

41. Pattern of heterogeneity in normal brain ageing: screening for mild cognitive impairment and its risk of progression with a radiomics model

10-07-2024 - National Library of Medicine

CONCLUSION: When radscore is significantly higher than that of normal ageing, it is necessary to alert the possibility of cognitive impairment and deterioration. [Read more...](#)

42. Multimorbidity, health Literacy, and quality of life among older adults in an urban slum in India: a community-based cross-sectional study

09-07-2024 - National Library of Medicine

CONCLUSION: There is a substantial burden of multimorbidity among urban slum dwellers aged ≥ 65 years in India, strongly linked to modifiable risk factors like poor health literacy and social determinants of health. Targeted interventions are essential to alleviate this disproportionate burden among urban slum older adults. [Read more...](#)

43. Are healthy ageing trajectories suitable to identify rehabilitation needs of the ageing population? An exploratory study using ATHLOS cohort data

09-07-2024 - National Library of Medicine

CONCLUSIONS: Our study stressed the relevance of healthy ageing trajectories for identifying functioning domains and categories that need to be targeted by rehabilitation services in a heterogeneous ageing population. The use of such trajectories at country level has the potential to make a meaningful contribution to the planning and delivery of rehabilitation interventions through health ... [Read more...](#)

44. Moms in motion: Predicting healthcare utilization patterns among mothers in Newfoundland and Labrador

09-07-2024 - National Library of Medicine

Mothers have a significant influence on family dynamics, child development, and access to family services. There is a lack of literature on the typical Canadian maternal experience and its influence on access to services for mothers despite recognizing the importance of mothers. A cross-sectional study was conducted to address this research gap that employed Andersen's Behavioral Model of ... [Read more...](#)

45. The association between self-rated health, number of family members, and cognitive function in community-dwelling older adults: Mediating role of depression

09-07-2024 - National Library of Medicine

With the increasing number of older adults, research on cognitive function has expanded. However, studies examining the mediating effect of depression on the association between complex factors and cognitive function in older adults are still insufficient. Additionally, there is a lack of studies that have investigated these relationships by integrating multiple factors related to the ... [Read more...](#)

46. The McCusker Subjective Cognitive Impairment Inventory (McSCI): a novel measure of perceived cognitive decline

07-07-2024 - National Library of Medicine

CONCLUSIONS: Excellent reliability and construct validity suggest the McSCI-S estimates SCDs with acceptable accuracy while capturing self-reported concerns for various cognitive domains. The psychometric analysis indicated that this measure can be used in cohort studies as well as on individual, clinical settings to assess SCDs. [Read more...](#)

47. The use of natural language processing for the identification of ageing syndromes including sarcopenia, frailty and falls in electronic healthcare records: a systematic review

06-07-2024 - National Library of Medicine

CONCLUSIONS: Current evidence suggests that Natural Language Processing algorithms can identify ageing syndromes in electronic health records. However, algorithms require testing in rigorously designed diagnostic accuracy studies with appropriate metrics reported. [Read more...](#)

48. Effects of the discontinuation of antihypertensive treatment on neuropsychiatric symptoms and quality of life in nursing home residents with dementia (DANTON): a multicentre, open-label, blinded-outcome, randomised controlled trial

06-07-2024 - National Library of Medicine

CONCLUSION: Halfway through this study, a non-significant increased SAE risk associated with discontinuing antihypertensive treatment was observed, and an associated interim analysis showed that significant worthwhile health gain for discontinuation of antihypertensive treatment was unlikely. This unbeneficial benefit-harm balance shows that discontinuation of antihypertensive treatment in ... [Read more...](#)

49. The relationship between mentally active sedentary behavior and cognitive function across different educational levels

04-07-2024 - National Library of Medicine

CONCLUSION: Our study suggested a positive association between mentally active sedentary behavior and cognitive function, with the association being more pronounced among illiterate older adults compared to the relatively well-educated. Future cognitive interventions should focus more on mentally active behavior. In addition, education-specific intervention strategy may be considered in ... [Read more...](#)

50. Knowledge of Alzheimer's disease and associated factors among adults in Zhuhai, China: a cross-sectional analysis

03-07-2024 - National Library of Medicine

CONCLUSIONS: Adults in Zhuhai show a limited knowledge of AD, particularly in the 'Symptoms' and 'Caregiving' subdomains. Upcoming health campaigns must focus on bridging the knowledge gaps in different subdomains of AD, especially among subgroups with lower awareness, as identified in our study. [Read more...](#)

51. Predictors for the development of motoric cognitive risk syndrome in older adults

03-07-2024 - National Library of Medicine

CONCLUSIONS: Our study results provide an initial reference for future studies to formulate effective preventive management and intervention strategies to reduce the growing burden of adverse health outcomes, particularly among Asian older adults. [Read more...](#)

52. Temporal dynamics of depressive symptoms and cognitive decline in the oldest old: dynamic time warp analysis of the Leiden 85-plus study

02-07-2024 - National Library of Medicine

CONCLUSION: Depressive symptoms preceded cognitive impairment in a population based sample of the oldest old. [Read more...](#)

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Physical activity and ageing

1. Multimorbidity clusters potentially superior to individual diseases for stratifying fracture risk in older people: a nationwide cohort study

30-07-2024 - National Library of Medicine

CONCLUSIONS: Future fracture prevention strategies should take comorbidities into account. Multimorbidity clusters may provide greater insight into fracture risk than individual diseases or counts-based comorbidity indices. [Read more...](#)

2. An analysis of protective health behavior and polypharmacy among older patients: a nationwide cohort study

30-07-2024 - National Library of Medicine

CONCLUSIONS: This study finds that health behaviors such as obesity and smoking are associated with a higher risk of polypharmacy. Furthermore, we confirm that a high score of protective health behaviors is associated with a lower risk of polypharmacy. Our findings indicate the need for geriatric-centered management of protective health behaviors to prevent polypharmacy. [Read more...](#)

3. Association between muscle strength and cardiometabolic multimorbidity risk among middle-aged and older Chinese adults: a nationwide longitudinal cohort study

27-07-2024 - National Library of Medicine

CONCLUSIONS: In Chinese middle-aged and older adults, low relative grip strength was associated with a higher risk of CM in individuals with heart disease, while high chair-rising time was associated with a higher risk of CM in individuals with diabetes or heart disease. [Read more...](#)

4. Boosting enjoyment and social inclusion to increase physical activity and reduce sedentary behaviour among older adults: protocol for a feasibility study to test the JOIN4JOY approach in five European countries

27-07-2024 - National Library of Medicine

INTRODUCTION: Programmes for older people aimed at increasing physical activity (PA) and reducing sedentary behaviour (SB) traditionally focus on achieving functional and health improvements. Focusing on enjoyment and social inclusion could strengthen adherence and help reach older people with social disadvantages. The aim of this study is to assess the feasibility and acceptability of the ... [Read more...](#)

5. Association of physical activity trajectories over 8 years and risk of knee replacement: data from the osteoarthritis initiative

26-07-2024 - National Library of Medicine

CONCLUSION: In participants with or at risk of knee osteoarthritis, PA slightly declines over time and may play no role in the risk of KR. [Read more...](#)

6. Clinical and physiological risk factors contributing to the restricted mobility in older adults: a longitudinal analysis

25-07-2024 - National Library of Medicine

CONCLUSIONS: These findings provide novel profile of potential risk factors, including vascular characteristics, psycho-cognitive and motor performance, for the development of restricted mobility in near future in older adults, ultimately helping the design of appropriate clinical and rehabilitative programs for mobility in this population. [Read more...](#)

7. Physical therapy for muscle strengthening in individuals with amyotrophic lateral sclerosis: A protocol for a systematic review and meta-analysis

22-07-2024 - National Library of Medicine

INTRODUCTION: People with Amyotrophic Lateral Sclerosis (ALS) can present initially muscle weakness, which is a debilitating symptom that may be improved by engaging in muscle strengthening activities. Currently, the effects of motor interventions for muscle strengthening in people with ALS are unclear. This review intends to analyze the effects of motor interventions for muscle strengthening ... [Read more...](#)

8. Slow walking speed and health-related exit from employment among older workers over 5 years of follow-up: evidence from the Health and Employment After Fifty (HEAF) cohort study

20-07-2024 - National Library of Medicine

CONCLUSIONS: Self-reported walking speed could help identify older workers who are at increased risk of HRJL. This could provide opportunities for intervention through optimising health and lifestyle, restricting physical workload, retraining or redeployment. Early appropriate intervention could enable longer working lives and promote healthier, more equal ageing. [Read more...](#)

9. Association between relative muscle strength and cardiovascular disease among middle-aged and older adults in China

18-07-2024 - National Library of Medicine

CONCLUSION: Our study indicated a stable negative correlation between RMS and CVD incidence. RMS is helpful for the early identification and prevention of CVD. [Read more...](#)

10. Physical inactivity and its associated factors among pre-retirement government healthcare workers in Kuala Lumpur, Malaysia

18-07-2024 - National Library of Medicine

CONCLUSION: This study shows a worrying prevalence of physical inactivity among pre-retirement healthcare workers that is even higher than the general population in Malaysia. The findings highlight the importance of focusing the preventive strategies among non-Malay workers

and those with lower education levels. It is also vital to address all the physical, social, ... [Read more...](#)

11. Factors associated with body mass index in a cohort of older adults: Structural equation modeling analysis

18-07-2024 - National Library of Medicine

CONCLUSION: These findings provide insights into the complex relationship of multiple determinants of nutritional status in older adults and support the design of public health policies that consider the specificities of this population group. [Read more...](#)

12. Tranexamic acid efficacy in geriatric hip fractures: impact of nutritional status on blood loss, transfusion rates, and safety

17-07-2024 - National Library of Medicine

CONCLUSIONS: Undernutrition not only diminishes muscle strength and gait function, leading to various types of hip fractures, but it may also hinder the efficacy of TXA in reducing blood transfusion rates and blood loss. [Read more...](#)

13. Dual-task training is as effective as functional training on the functional fitness of older women: a randomized clinical trial

16-07-2024 - National Library of Medicine

CONCLUSION: Sixteen weeks of dual-task and functional training are similarly effective in improving older women's functional fitness, maintaining their benefits even after three months of detraining. [Read more...](#)

14. Daily physical activity in older adults across levels of care: the HUNT Trondheim 70 + study

16-07-2024 - National Library of Medicine

CONCLUSIONS: This is the first population-based study using device-measured PA to describe daily PA across levels of care. The results showed that low-intensity activities constitute the primary component of everyday PA, advocating for placing greater emphasis on the significant role these activities play in maintaining daily PA at older age. Furthermore, the study demonstrated that activity ... [Read more...](#)

15. Association between Dietary total antioxidant capacity and knee osteoarthritis: a case-control study in the Iranian Population

15-07-2024 - National Library of Medicine

CONCLUSION: The results of this study showed that there was an inverse correlation between DTAC and KOA among the Iranian patients with KOA. [Read more...](#)

16. Examination of acute spin exercise on GABA levels in aging and stroke: The EASE study protocol

15-07-2024 - National Library of Medicine

BACKGROUND: Changes in regional levels of the inhibitory neurotransmitter gamma-aminobutyric acid (GABA) may indicate the potential for favorable responses to the treatment of stroke affecting the upper extremity. By selectively altering GABA levels during training, we may induce long-term potentiation and adjust excitatory/inhibitory balance (E/I balance). However, ... [Read more...](#)

17. What determines informal care need among community-dwelling older adults in China? Results from a longitudinal study

12-07-2024 - National Library of Medicine

CONCLUSIONS: At present, there is a great demand for the manpower and intensity of informal care, and the cost of informal care is on the rise. There are differences in informal care needs of special older groups, such as the oldest-old, living alone and severely disabled. In the future, the region should promote the balance of urban and rural care service resources, ... [Read more...](#)

18. Heavy Weightlifting Maintained Older People's Long-Term Strength

12-07-2024 - National Library of Medicine

No abstract [Read more...](#)

19. Multimodal training protocols on unstable rather than stable surfaces better improve dynamic balance ability in older adults

12-07-2024 - National Library of Medicine

CONCLUSIONS: Stable surfaces promoted faster increments of muscular strength. Unstable surfaces were more effective in enhancing dynamic balance efficiency. These findings suggested the employment of multimodal training on unstable rather than stable surfaces to potentially lower the incidence of falls in older adults. [Read more...](#)

20. Association between sleep duration and possible sarcopenia in middle-aged and elderly Chinese individuals: evidence from the China health and retirement longitudinal study

11-07-2024 - National Library of Medicine

CONCLUSIONS: Sleep deprivation may be closely associated with the development of possible sarcopenia in middle-aged and elderly people, which provides new insights and ideas for sarcopenia intervention, and further studies are needed to reveal the underlying mechanisms involved. [Read more...](#)

21. Self-health promotion: A study on the mode of acquiring sports health knowledge and skills among older adults members of sports communities

11-07-2024 - National Library of Medicine

CONCLUSION: The more harmonious and positive the sports community culture is, the stronger the sense of pursuing health and the motivation to acquire knowledge are among older adults. The stronger the health pursuit among older adults, the higher their motivation to enhance sports health knowledge and skills shows. Furthermore, the higher the motivation of older adults to enhance sports ... [Read more...](#)

22. Leisure-time physical activity and the incidence of atrial fibrillation in senior adults: a prospective cohort study

10-07-2024 - National Library of Medicine

CONCLUSION: This prospective cohort study indicated that a higher LTPA volume was associated with a lower AF risk in Chinese older adults. [Read more...](#)

23. Reduced adaptability to balance perturbations in older adults with probable cognitive impairment after a severe fall

10-07-2024 - National Library of Medicine

Falls in older individuals often result from unexpected balance disturbances during walking, necessitating the analysis of recovery strategies for effective falls prevention. This becomes particularly crucial for individuals with cognitive impairment, who face a higher fall risk compared to cognitively healthy adults. Hence, our study aimed to compare the recovery response to standardized ... [Read more...](#)

24. MRI analysis of and factors related to knee injuries in amateur marathon runners

09-07-2024 - National Library of Medicine

CONCLUSIONS: The occurrence of knee injuries among amateur marathon athletes was highly prevalent, with the patellofemoral joint cartilage and posterior horn of medial meniscus being frequently affected areas. Moreover, age, BMI, running years and pace were significant risk factors of knee joint injury. [Read more...](#)

25. Exploring the complex associations among risks of malnutrition, sarcopenia, and frailty in community-dwelling older adults

09-07-2024 - National Library of Medicine

CONCLUSIONS: The SARC-F partially mediates the association between the MNA-SF and the FRAIL, indicating that malnutrition affects frailty through an indirect path via sarcopenia. Furthermore, the PA level moderates this mediator effect, with sarcopenia serving as a mediator in older adults with moderate a PA level but not in those with a low PA level. These findings reveal that it may be ... [Read more...](#)

26. Proposal and validation of a new approach in tele-rehabilitation with 3D human posture estimation: a randomized controlled trial in older individuals with sarcopenia

08-07-2024 - National Library of Medicine

CONCLUSION: Compared to the pre-experiment, there was no significant difference at the post-experiment in the recovery effects on the muscle quality, physical activity ability, and life quality of patients with sarcopenia between the AI-based remote training group and the face-to-face traditional training group. 3D pose estimation is equally as effective as traditional rehabilitation methods ... [Read more...](#)

27. Reliability, validity and minimal detectable change of the Chinese Version of the Assessment of Physical Activity in Frail Older People (APAFOP-C)

06-07-2024 - National Library of Medicine

CONCLUSION: The APAFOP-C was found to have limited but acceptable psychometric properties for measuring PA among community-dwelling older adults with frailty in China. It was a feasible comparative PROM for assessing PA worldwide. Practitioners can develop individualized exercise programs for frail older adults and efficiently track changes in PA utilizing the APAFOP-C. [Read more...](#)

28. Lack of Intensity Control during an Exercise Program Is Related to a Limited Effect on Variables Responsible for Blood Pressure Regulation in Hypertensive Older Adults

05-07-2024 - National Library of Medicine

To compare the effect of an intensity-controlled exercise program (ICEP) and a nonintensity-controlled exercise program (non-ICEP) on the variables responsible for blood pressure regulation in hypertensive older adults. 95 hypertensive older adults (65.40 ± 7.48 years/22 males and 73 females) performed hemodynamic, functional fitness, and biochemical evaluations before and after 12 weeks of ... [Read more...](#)

29. Towards an explanation for 'unexplained' dizziness in older people

04-07-2024 - National Library of Medicine

CONCLUSION: The distorted perception of instability and subtle impairments in balance control, including abnormal and overly cautious stepping responses, underlies the emergence of ID. It appears to relate to changes in postural performance, psychological functioning and disruption of postural brain networks associated with cerebral small vessel disease. [Read more...](#)

30. Sex differences in physical functioning among older adults: cross-sectional results from the OUTDOOR ACTIVE study

03-07-2024 - National Library of Medicine

CONCLUSIONS: We found sex differences in physical functioning, with older women having more limitations than older men. The results showed that health-related factors and chronic diseases played the biggest roles in the different physical functioning scores of women and men. These findings contribute to future longitudinal, more in-depth research. [Read more...](#)

31. Associations between accelerometer-measured physical activity and sedentary behaviour with physical function among older women: a cross-sectional study

03-07-2024 - National Library of Medicine

CONCLUSIONS: A significant association was observed between poorer lower limb function and prolonged, uninterrupted SB in older women, rather than with the total SB time. Concurrently, the insufficient engagement in MVPA may also be a crucial factor contributing to poorer PF in older women. Engaging in longer durations and higher intensity of PA, such as bouts of MVPA lasting a minimum of 10 ... [Read more...](#)

32. Associations between adverse childhood experiences and pain in middle-aged and older adults: findings from the China Health and Retirement Longitudinal Study

03-07-2024 - National Library of Medicine

CONCLUSIONS: These findings indicate that cumulative ACE exposure is associated with increased odds of self-reported pain in Chinese adults, regardless of adult physical activity, sociodemographic and socioeconomic characteristics. [Read more...](#)

33. Associations amongst dynamic knee stiffness during gait, quadriceps stiffness, and the incidence of knee osteoarthritis over 24 months: a cohort study with a mediation analysis

03-07-2024 - National Library of Medicine

CONCLUSIONS: Higher sagittal knee dynamic joint stiffness, lower quadriceps strength, and greater quadriceps stiffness are potential risk factors for developing clinical knee OA in asymptomatic elders. Associations between quadriceps properties and knee OA may not be mediated by dynamic joint stiffness. Interventions for reducing increased passive properties of the quadriceps and knee joint ... [Read more...](#)

34. Physical enhancement of older adults using hyperbaric oxygen: a randomized controlled trial

03-07-2024 - National Library of Medicine

CONCLUSION: The findings of the study indicate that HBOT has the potential to improve physical performance in aging adults. The enhancements observed encompass improvements in key factors including VO₂Max, and VO₂VT(1). An important mechanism contributing to these improvements is the heightened cardiac perfusion induced by HBOT. [Read more...](#)

35. Association of frailty with workplace social activity, physical activity, and well-being among older employees: a moderated mediation in two income-variant samples

03-07-2024 - National Library of Medicine

CONCLUSION: WSA may reduce the strength of the negative association of frailty with PA and well-being among older employees in both samples. Workplace interventions aimed at enhancing WSA may encourage PA and enhance well-being among older employees with frailty. [Read more...](#)

36. Fatigue and physical activity in post-CABG patients: the parallel mediation model of kinesiophobia and self-efficacy : a prospective multicentre and cross-sectional study in China

01-07-2024 - National Library of Medicine

CONCLUSIONS: A clear relationship between fatigue and PA was mediated by both kinesiophobia and self-efficacy. Furthermore, our findings highlight the importance of adapting the intervention according to the age of the patients, mainly by reducing patients' kinesiophobia in patients aged 45-60 years and increasing patients' self-efficacy in patients aged 61-75 years.

[Read more...](#)

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Employment, volunteering and ageing

1. Someone Has to Be Around to Put Out the Lights

18-07-2024 - National Library of Medicine

No abstract [Read more...](#)

2. Association of sleep duration with Visceral Adiposity Index: a cross-sectional study based on the NHANES 2007-2018

17-07-2024 - National Library of Medicine

CONCLUSIONS: An L-shaped relationship was observed between sleep duration and VAI, with insufficient sleep, being independently linked to a higher VAI. This implies that sleep deprivation might be associated with visceral adipose distribution and dysfunction. [Read more...](#)

3. Validation of a national leadership framework to promote and protect quality residential aged care: protocol for a Delphi study

17-07-2024 - National Library of Medicine

INTRODUCTION: Australia's ageing population is driving an increased demand for residential aged care services, yet concerns about the quality and safety of such care remain. The recent Royal Commission into Aged Care Quality and Safety identified various limitations relating to leadership within these services. While some competency frameworks exist globally, ... [Read more...](#)

4. The impact of preventive behaviors on self-rated health, depression symptoms, and daily functioning among middle-aged and elderly Chinese: An empirical study

16-07-2024 - National Library of Medicine

CONCLUSION: Sociodemographic determinants such as age, income, and educational attainment significantly modulate the efficacy of preventive behaviors on the health outcomes of middle-aged and elderly populations. This research underscores the pivotal role of physical examination services within primary healthcare frameworks and advocates for the tailoring of health promotion strategies to the ... [Read more...](#)

5. The bidirectional association between the disability in activities of daily living and depression: a longitudinal study in Chinese middle-aged and older adults

15-07-2024 - National Library of Medicine

CONCLUSIONS: There was a bidirectional relationship between depression and disability in ADL. Depression increased the risk of disability in ADL, but this risk did not increase with time, whereas the effect of disability in ADL on depression increased with time. [Read more...](#)

6. Sex differences in the association between sleep duration and muscle quality index in adults: A cross-sectional study from NHANES 2011-2014

15-07-2024 - National Library of Medicine

CONCLUSIONS: This research study provides evidence that there is a positive correlation between the duration of sleep and MQI specifically in females, while no such association was observed in males. These findings shed light on the existence of gender disparities in the connection between sleep duration and MQI. [Read more...](#)

7. Trajectories in long-term condition accumulation and mortality in older adults: a group-based trajectory modelling approach using the English Longitudinal Study of Ageing

11-07-2024 - National Library of Medicine

CONCLUSIONS: The development of multimorbidity in the number of conditions over time follows distinct trajectories. These are determined by non-modifiable (age, ethnicity) and modifiable factors (education and employment). Stratifying risk through clustering will enable practitioners to identify older adults with a higher likelihood of worsening LTC over time to tailor effective interventions ... [Read more...](#)

8. Associations of hypertension, diabetes and heart disease risk with body mass index in older Chinese adults: a population-based cohort study

10-07-2024 - National Library of Medicine

CONCLUSION: A higher BMI was associated with an increased risk of hypertension, diabetes and heart disease in the population aged 45 years and older. Even within normal BMI ranges, a higher BMI was associated with an increased risk of disease. Actions are urgently needed at the population level to address the growing public health challenge of excess weight in the context of an ageing population. [Read more...](#)

9. Developing a fall prevention program in an inpatient spinal cord injury rehabilitation unit: A participatory action research study

10-07-2024 - National Library of Medicine

CONCLUSIONS: The study found that a multifaceted intervention can increase knowledge about fall risks and substantially reduce both falls and associated minor injuries. [Read more...](#)

10. Relationship between social participation and depressive symptoms in patients with multimorbidity: the chained mediating role of cognitive function and activities of daily living

10-07-2024 - National Library of Medicine

CONCLUSION: A chained mediating effect was found between cognitive function, ADLs, social participation, and depressive symptoms in patients with multimorbidity. Social participation was found to improve the cognitive function of patients with multimorbidity, which in turn enhanced their daily life activities and ultimately alleviated their depressive symptoms. [Read more...](#)

11. Does internet use benefit health?-PSM-DID evidence from China's CHARLS

09-07-2024 - National Library of Medicine

Amid the increasing global internet penetration, understanding the impact of internet use on residents' health is crucial. This aids in formulating more effective health policies and provides empirical evidence for promoting health equity and improving overall public health. Drawing on the China Health and Retirement Longitudinal Study (CHARLS), this paper employs the Propensity Score ... [Read more...](#)

12. Implementing the information system for older adult patients post-discharge self-management: a qualitative study

06-07-2024 - National Library of Medicine

CONCLUSION: Our study contributes to the understanding of determinants in implementing discharge interventions for older adult patients' self-care. Our findings can inform tailored

strategies for frontline staff, including aligning programme rationale with stakeholders, promoting staff engagement through co-creation, reinforcing positive programme outcomes and creating default settings. [Read more...](#)

13. Impact of neighborhood context on self-rated health among very old adults living in Germany: a cross-sectional representative study

05-07-2024 - National Library of Medicine

CONCLUSIONS: The results indicate that especially more favorable conditions in social and physical neighborhood context are associated with good self-rated health in the very old population of Germany. Further studies should consider multiple aspects of neighborhood context as well as their interplay when examining the neighborhood impact on self-rated health in older populations. [Read more...](#)

14. WeChat usage and preservation of cognitive functions in middle-aged and older Chinese adults: indications from a nationally representative survey, 2018-2020

04-07-2024 - National Library of Medicine

CONCLUSION: Social media usage is significantly and positively associated with better cognitive performance among the middle-aged and older Chinese population. Along with point-to-point messaging, using 'Moments' and extended social media platform functions may correlate to better cognitive performance. [Read more...](#)

15. Hit me with your best puff: Personality predicts preference for cigar vs. cigarette smoking

03-07-2024 - National Library of Medicine

In this study, we examine the association between Big Five personality traits and cigar or cigarette smoking in a sample of 9,918 older adults across 11 European countries derived from the Survey of Health, Ageing and Retirement in Europe (SHARE) dataset. We find significant associations between several traits and smoking groups. Smoking was associated with lower scores on Conscientiousness ... [Read more...](#)

16. The Brief Symptom Inventory in the Swiss general population: Presentation of norm scores and predictors of psychological distress

03-07-2024 - National Library of Medicine

Psychological distress is an important and frequent health problem. The Brief Symptom Inventory (BSI) allows screening for psychological distress in clinical, general and research populations. We aimed to provide normative data for the BSI and the BSI-18 for the Swiss general population: We 1) present psychometric properties, 2) develop a Swiss T-standardization and validate it using a ... [Read more...](#)

17. Effects of changing criteria on improving interRAI assessment for elder abuse: analysis of a national dataset from Aotearoa New Zealand

03-07-2024 - National Library of Medicine

CONCLUSIONS: We propose that via adapting the interRAI-HC criteria to include the UDA category, the identification of older adults at risk of EA could be substantially improved, facilitating enhanced protection of this vulnerable population. [Read more...](#)

18. Prevalence of hysterectomy and associated factors in Brazilian women aged 50 and older: findings from the Brazilian Longitudinal Study of Ageing (ELSI-Brazil)

02-07-2024 - National Library of Medicine

CONCLUSION: The main objective of the study was achieved. The prevalence of hysterectomy in Brazilian women aged 50 and older was 17.8%. Significant associations were observed with participants' sociodemographic and clinical characteristics reinforcing the importance of considering the reproductive characteristics of women as indicators of health status. [Read more...](#)

19. All hands on deck during the COVID-19 pandemic. Maintaining face-to-face medical education and clinical placements

01-07-2024 - National Library of Medicine

Medical students must have robust educational experiences, graduate and commence timely employment. Here, we describe how the Royal College of Surgeons in Ireland (RCSI) delivered clinical placements in medical programmes over the first three waves of the COVID-19 pandemic in Ireland, including a student-centred, holistic approach to students' educational, social and health needs with strong ... [Read more...](#)

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Musculoskeletal health, falls prevention and ageing

1. Early mobilisation and weight-bearing as tolerated after hip fracture surgery among older adults in China and similar countries: barriers and strategies

24-07-2024 - National Library of Medicine

No abstract [Read more...](#)

2. New horizons in clinical practice guidelines for use with older people

24-07-2024 - National Library of Medicine

Globally, more people are living into advanced old age, with age-associated frailty, disability and multimorbidity. Achieving equity for all ages necessitates adapting healthcare systems. Clinical practice guidelines (CPGs) have an important place in adapting evidence-based medicine and clinical care to reflect these changing needs. CPGs can facilitate better and more systematic care for ... [Read more...](#)

3. Joint association of cardiovascular health and frailty with all-cause and cause-specific mortality: a prospective study

23-07-2024 - National Library of Medicine

CONCLUSIONS: Low CVH and frailty were independently and jointly correlated with greater risk of all-cause, CVD and cancer deaths, especially among the young and females. [Read more...](#)

4. A pragmatic cluster randomised controlled trial of air filtration to prevent symptomatic winter respiratory infections (including COVID-19) in care homes (AFRI-c) in England: Trial protocol

23-07-2024 - National Library of Medicine

BACKGROUND: Respiratory tract infections are readily transmitted in care homes. Airborne transmission of pathogens causing respiratory tract illness is largely unmitigated. Portable high-efficiency-particulate-air (HEPA) filtration units capture microbial particles from the air, but it is unclear whether this is sufficient to reduce infections in care home residents. [Read more...](#)

5. Psychometric adequacy of the persian adapted version of the tilburg frailty indicator (P-TFI)

21-07-2024 - National Library of Medicine

CONCLUSION: The Persian version of the TFI is valid and easy scored tools among Iranian's older people. [Read more...](#)

6. Targeted vibratory therapy as a treatment for proprioceptive dysfunction: Clinical trial in older patients with chronic low back pain

19-07-2024 - National Library of Medicine

CONCLUSIONS: TVT demonstrated efficacy in improving proprioception and alleviating LBP in older patients with impaired proprioceptive function without affecting non-targeted proprioceptors. [Read more...](#)

7. Examining the impact of age on chemotherapy completion in epithelial ovarian, fallopian tube and primary peritoneal cancer: a retrospective cohort study in Thailand

18-07-2024 - National Library of Medicine

CONCLUSION: The completion of chemotherapy was observed in a majority of older adults with EOC. Age is not the only determinant of chemotherapy completion. Comorbidity and disease status are crucial for determining chemotherapy discontinuation. [Read more...](#)

8. Acute frailty services: results of a national day of care survey

16-07-2024 - National Library of Medicine

CONCLUSION: There is significant variation in the provision of acute frailty services. Frailty-related policies and services are common at the organisational level but implemented inconsistently at the patient level. Older people with frailty or geriatric syndromes assessed by acute frailty services were more likely to be discharged without the need for overnight bed-based admission. [Read more...](#)

9. The electronic frailty index and outcomes in patients with myocardial infarction

16-07-2024 - National Library of Medicine

CONCLUSION: The eFI identified patients at high risk of death following myocardial infarction. Automatic calculation within administrative data is feasible and could provide a low-cost method of identifying vulnerable older patients on hospital presentation. [Read more...](#)

10. A quantitative study on the impact of a community falls pharmacist role, on medicines optimisation in older people at risk of falls

15-07-2024 - National Library of Medicine

CONCLUSION: The community falls pharmacist role increases prescribing appropriateness in the older population at risk of falls, and is an effective and cost-efficient means to optimise medicines in this population, as well as having a positive impact on the environment. [Read more...](#)

11. Association between fetal hemoglobin, lactate dehydrogenase, and disease severity in patients with sickle cell disease at Bugando Medical Centre, Mwanza, Tanzania

15-07-2024 - National Library of Medicine

CONCLUSION: In SCD patients with SCP compared to ACP and MCP, the HbF levels were higher, but did not show a protective effects, and LDH can be used to predict the severity of SCD. [Read more...](#)

12. Guidelines May Fall Short as More Older Adults Live With Type 1 Diabetes

12-07-2024 - National Library of Medicine

No abstract [Read more...](#)

13. Impact of the COVID-19 pandemic on the complete rehabilitation journey of hip fracture patients in Italy: From surgical admission to rehabilitation facility discharge

11-07-2024 - National Library of Medicine

INTRODUCTION: The COVID-19 pandemic led to a significant reorganization of health services, potentially affecting the quality of care for major public health concerns such as proximal femoral fractures. This study aimed to investigate potential changes in the timing of various steps in the patient journey after a hip fracture during the pandemic in Piedmont, a region in Northern Italy. [Read more...](#)

14. Construction and validation of a nomogram for blood transfusion after open reduction and internal fixation (ORIF) of proximal humeral fractures in the elderly: a cross-sectional study

10-07-2024 - National Library of Medicine

CONCLUSIONS: Our patient-specific transfusion risk calculator uses a robust multivariable model to predict transfusion risk. The resulting nomogram can be used as a screening tool to identify patients with high transfusion risk and provide necessary interventions for these patients (such as preoperative red blood cell mobilization, intraoperative autologous blood transfusion, etc.). [Read more...](#)

15. "Multidisciplinary fast-track" care can significantly reduce risk of mortality among hip fracture patients at least 80 years old: a single-center retrospective study

10-07-2024 - National Library of Medicine

CONCLUSIONS: MFT care can reduce one-year mortality among hip fracture patients at least 80 years old. This finding should be verified and extended in multi-center randomized controlled trials. [Read more...](#)

16. A systematic review of fall prediction models for community-dwelling older adults: comparison between models based on research cohorts and models based on routinely collected data

09-07-2024 - National Library of Medicine

CONCLUSIONS: Cohort-based models to predict falls in older adults in the community are plentiful. RCD-based models are yet in their infancy but provide comparable predictive performance with no additional data collection efforts. Future studies should focus on methodological and reporting quality. [Read more...](#)

17. Proximal femoral nail antirotation versus InterTan nail for the treatment of intertrochanteric fractures: A systematic review and meta-analysis

09-07-2024 - National Library of Medicine

CONCLUSIONS: When selecting surgical techniques for the treatment of femoral intertrochanteric fractures, it is necessary to conduct individualized assessments based on the patient's overall health status, surgical tolerance, and post-operative recovery needs. For patients who cannot tolerate long-term surgery or are in poor physical condition, PFNA may be more appropriate. [Read more...](#)

18. Strategies to improve end-of-life decision-making and palliative care following hip fracture in frail older adults: a scoping review

06-07-2024 - National Library of Medicine

CONCLUSIONS: This scoping review highlighted that end-of-life care in frail older patients with a hip fracture remains understudied. The strategies identified could be prioritised for future research to improve the well-being of the target population while promoting sustainable resource management. [Read more...](#)

19. Determinants influencing the implementation of multifactorial falls risk assessment and multidomain interventions in community-dwelling older people: a systematic review

02-07-2024 - National Library of Medicine

CONCLUSIONS: Mapping of the barriers and facilitators is essential to choose implementation strategies tailored to the context, and to enhance the uptake and effectiveness of a multifactorial falls risk assessment and/or multidomain interventions. [Read more...](#)

20. Assessing the quality of emergency department data for injury surveillance in Victoria, Australia: a comparative analysis of two Victorian hospital data sources

01-07-2024 - National Library of Medicine

CONCLUSIONS: Injury cases were more numerous in the VAED than in the VEMD even though the number is expected to be equal based on case selection. Older patients were under-represented in the VEMD this could partly be attributed to patients being admitted for an injury after they presented to the ED with a non-injury ailment. The patterns of under-representation described in this study should ... [Read more...](#)

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Ageism and discrimination

1. Defining and prioritizing modifiable risk factors towards the co-creation of a urinary incontinence self-management intervention for older men: A sequential multimethod study protocol

25-07-2024 - National Library of Medicine

Urinary incontinence (UI), characterized by involuntary urine leakage is a chronic, embarrassing and stigmatizing condition that is under-reported and under-treated). UI is under-prioritized and under-researched, particularly in older men (defined here as men 65+), and there have been calls for more targeted research focusing on this specific group. No existing self-management interventions ... [Read more...](#)

2. Psychometric properties of the Fraboni scale of ageism (FSA) applied to long-term caregivers in nursing homes

25-07-2024 - National Library of Medicine

CONCLUSIONS: The findings confirm that the FSA is easy to use and has good psychometric properties. This study will contribute to improving the condition of ageism, thereby improving the quality of care for the elderly and retention of professional talents in the LTC system. [Read more...](#)

3. Effect of medication adherence on quality of life, activation measures, and health imagine in the elderly people: a cross-sectional study

25-07-2024 - National Library of Medicine

CONCLUSION: Medication adherence is directly affected by living arrangements, as patients who live with a caretaker who can remind them to take their medications at the appropriate times have better medication adherence than those who live alone. Medication adherence was also significantly influenced by socioeconomic status, perhaps as a result of psychological effects and the belief of the ... [Read more...](#)

4. Trends in traffic accident mortality and social inequalities in Ecuador from 2011 to 2022

21-07-2024 - National Library of Medicine

CONCLUSION: While overall TA mortality slightly decreased in Ecuador, significant disparities persist across demographic groups and geographic regions. Older adults, males, pedestrians, and

economically disadvantaged populations face disproportionately higher risks. The increasing trend in motorcycle-related fatalities and widening socioeconomic inequalities are particularly concerning. [Read more...](#)

5. Perceptions of safety during everyday travel shaping older adults' mobility in Bengaluru, India

19-07-2024 - National Library of Medicine

CONCLUSION: Our findings indicate that the use of public transport needs to be encouraged among older adults by enhancing necessary safety features following the age-friendly cities framework. Furthermore, it can help policymakers develop transport policies, which suit the mobility needs of older adults. [Read more...](#)

6. Subjective social status and socio-demographic correlates of perceived discrimination among older adults in India

19-07-2024 - National Library of Medicine

CONCLUSIONS: That low-SSS older adults reported age, gender, caste, financial status, and health status as reasons for discrimination and that this association persisted after considering objective indicators of socioeconomic status (SES) is suggestive of SSS as independently consequential for perceived discrimination. These findings are useful for care providers and practitioners as they ... [Read more...](#)

7. Patient perspective on psoriasis: Psychosocial burden of psoriasis and its management in Malaysia

18-07-2024 - National Library of Medicine

CONCLUSIONS: The evidence obtained from this qualitative study indicated that psoriasis has a significant emotional and psychological impact on the patients affecting their QoL. Lack of awareness of the disease among PCPs, patients, and the public is a major challenge leading to poor treatment outcomes. [Read more...](#)

8. Dismantling the structures of inequality: why we need feminist leadership in the health sector

17-07-2024 - National Library of Medicine

Approaches to increasing women's representation in senior leadership need to go beyond individual empowerment and adopt principles of social justice, argue Sarah Hawkes and Rama Baru [Read more...](#)

9. Use of the Ishii Test for screening sarcopenia in older adults: a systematic review with meta-analysis of diagnostic test accuracy (DTA) studies

16-07-2024 - National Library of Medicine

CONCLUSION: The Ishii Test can be considered a useful tool for the early identification of sarcopenia in older adults. However, further studies are still needed to understand the behavior of this screening tool. [Read more...](#)

10. Assessment of knowledge and practices regarding taeniasis and cysticercosis in Pak Chong, Nakhon Ratchasima, Thailand: A cross-sectional study

15-07-2024 - National Library of Medicine

CONCLUSIONS: Overall, participants' knowledge was lacking. Public education interventions are recommended to improve knowledge among residents with low socioeconomic status. These findings can inform the development of targeted interventions and educational programs in Pak Chong District, especially among elderly people in subdistrict municipalities, to improve practices for the prevention ... [Read more...](#)

11. Inequalities in health-related quality of life and functional health of an aging population: A Canadian community perspective

05-07-2024 - National Library of Medicine

CONCLUSIONS: Amongst older individuals residing in Canadian communities, less than perfect quality of life and functional health is unequally distributed among females, older adults aged ≥ 80 years, and those residing in the Prairie regions specifically. Newer policy should focus on interventions targeted at these subpopulations to ensure that healthy aging is within reach for all Canadians. [Read more...](#)

12. Understanding sexual health service access for gay, bisexual and other men who have sex with men in Ireland during the COVID-19 crisis: Findings from the EMERGE survey

01-07-2024 - National Library of Medicine

CONCLUSIONS: Service access difficulties were found to largely map onto pre-existing sexual health inequalities for gbMSM. Future service development efforts should prioritise (re)engaging older gbMSM, those who have not previously tested for HIV and those without high levels of education. [Read more...](#)

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