

## DAFTAR PUSTAKA

1. World Health Organization. Definition of an older or elderly person. 2023.
2. United Nations. World Population Prospects 2022: Summary of Results. New York: United Nations Publication; 2022.
3. Badan Pusat Statistik. Statistik Penduduk Lanjut Usia 2022. Jakarta: Badan Pusat Statistik; 2022.
4. Badan Pusat Statistik. Statistik Penduduk Lanjut Usia 2023. Vol. 20. Jakarta: Badan Pusat Statistik; 2023.
5. Cornelis MC, Wang Y, Holland T, Agarwal P, Weintraub S, Morris MC. Age and cognitive decline in the UK Biobank. *PLoS One*. 2019 Mar;14(3):1–16.
6. Kim SJ, Kim HD. Relationship between falls, cognitive decline, and dementia in older adults: Insights from the Korean longitudinal study of aging, 2006–2020. *Exp Gerontol*. 2024;194:1–16.
7. World Health Organization. Global status report on the public health response to dementia [Internet]. Geneva: World Health Organization; 2021. Available from: <https://www.who.int/publications/i/item/9789240033245>
8. Nichols E, Steinmetz JD, Vollset SE, Fukutaki K, Chalek J, Abd-Allah F, et al. Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. *Lancet Public Heal*. 2022 Jan;7(2):105–25.
9. World Health Organization. Global action plan on the public health response to dementia. Geneva: World Health Organization; 2017.

10. Alzheimer's Disease International. World Alzheimer Report 2024: Global changes in attitudes to dementia Contributors. London; 2024.
11. World Health Organization. Dementia [Internet]. 2023. Available from: <https://www.who.int/health-topics/dementia>
12. Livingston G, Huntley J, Sommerlad A, Ames D, Ballard C, Banerjee S, et al. Dementia prevention, intervention, and care: 2020 report of the Lancet Commission. *Lancet*. 2020 Jul;396(10248):413–46.
13. García-Martín V, de Hoyos-Alonso MC, Ariza-Cardiel G, Delgado-Puebla R, García-Domingo P, Hernández-Melo E, et al. Neuropsychiatric symptoms and subsyndromes in patients with different stages of dementia in primary care follow-up (NeDEM project): a cross-sectional study. *BMC Geriatr*. 2022 Jan;22(1):1–15.
14. Borda MG, Aarsland D, Tovar-Rios DA, Giil LM, Ballard C, Gonzalez MC, et al. Neuropsychiatric Symptoms and Functional Decline in Alzheimer's Disease and Lewy Body Dementia. *J Am Geriatr Soc*. 2020 Oct;68(10):2257–63.
15. Okabe K, Nagata T, Shinagawa S, Inamura K, Tagai K, Nukariya K, et al. Effects of neuropsychiatric symptoms of dementia on reductions in activities of daily living in patients with Alzheimer's disease. *Geriatr Gerontol Int*. 2020 Jun;20(6):584–8.
16. Saari T, Hallikainen I, Hintsala T, Koivisto AM. Neuropsychiatric symptoms and activities of daily living in Alzheimer's disease: ALSOVA 5-year follow-up study. *Int Psychogeriatrics*. 2020 Jun;32(6):741–51.

17. Felekoğlu E, Özalevli S, Yakut H, Aktan R, Yener G. Investigation of the factors affecting quality of life in patients with mild to moderate alzheimer's disease in terms of patients and caregivers. *Medicina (B Aires)*. 2021 Oct;57(10):1–8.
18. Hackett RA, Steptoe A, Cadar D, Fancourt D. Social engagement before and after dementia diagnosis in the English Longitudinal Study of Ageing. *PLoS One*. 2019 Aug;14(8):1–12.
19. Bhatt J, Kohl G, Scior K, Charlesworth G, Muller M, Dröes RM. Comparing the stigma experiences and comfort with disclosure in Dutch and English populations of people living with dementia. *Dementia*. 2023 Jul;22(7):1567–85.
20. Victor CR, Rippon I, Nelis SM, Martyr A, Litherland R, Pickett J, et al. Prevalence and determinants of loneliness in people living with dementia: Findings from the IDEAL programme. *Int J Geriatr Psychiatry*. 2020 Aug;35(8):851–8.
21. Alzheimer's Disease International. *World Alzheimer Report 2016: Improving healthcare for people living with dementia*. London; 2016.
22. Halid S, Hadi I, Utomo H. Pengaruh Psikoedukasi Terhadap Kemampuan Keluarga Dalam Melakukan Perawatan Demensia Pada Lansia. *NURSEPEDIA*. 2023;2(1):20–8.
23. Huang HL, Shyu YIL, Hsu WC, Liao YT, Huang HL, Hsieh SH. Effectiveness of a health education program for people with dementia and their family caregivers: An intervention by nurse practitioners. *Arch*

- Psychiatr Nurs. 2024 Jun 1;50:147–59.
24. Karg N, Graessel E, Randzio O, Pendergrass A. Dementia as a predictor of care-related quality of life in informal caregivers: A cross-sectional study to investigate differences in health-related outcomes between dementia and non-dementia caregivers. *BMC Geriatr*. 2018 Aug 23;18(1):1–9.
  25. Ponsoda JM, Diaz A. Psychological distress in family caregivers of people with Alzheimer’s disease: Positive and negative aspects of caregiving. *Glob Heal Econ Sustain*. 2024 Aug 20;2(3):1–13.
  26. Jhang KM, Liao GC, Wang WF, Tung YC, Yen SW, Wu HH. Caregivers’ Burden on Patients with Dementia Having Multiple Chronic Diseases. *Risk Manag Healthc Policy*. 2024;17:1151–63.
  27. Nasrun MWS, Kusumaningrum P, Redayani P, Lahino HL, Mardhiyah FS, Basfiansa AD, et al. Relationship between Quality of Life of People with Dementia and Their Caregivers in Indonesia. *J Alzheimer’s Dis*. 2021;81(3):1311–20.
  28. Widyastuti RH, Sahar J, Rekawati E, Kekalih A. Barriers and Support for Family Caregivers in Caring for Older Adults with Dementia: A Qualitative Study in Indonesia. *Nurse Media J Nurs*. 2023 Aug 1;13(2):188–201.
  29. Seidel D, Thyrian JR. Burden of caring for people with dementia – Comparing family caregivers and professional caregivers. A descriptive study. *J Multidiscip Healthc*. 2019;12:655–63.
  30. Shin JH, Kim JH. Family Caregivers of People with Dementia Associate with Poor Health-Related Quality of Life: A Nationwide Population-Based

- Study. *Int J Environ Res Public Health*. 2022 Dec 5;19(23):1–14.
31. Kelley AS, McGarry K, Bollens-Lund E, Rahman OK, Husain M, Ferreira KB, et al. Residential Setting and the Cumulative Financial Burden of Dementia in the 7 Years Before Death. *J Am Geriatr Soc*. 2020 Jun 1;68(6):1319–24.
  32. Fan Q, DuBose L, Ory MG, Lee S, Hoang MN, Vennatt J, et al. Financial, Legal, and Functional Challenges of Providing Care for People Living With Dementia and Needs for a Digital Platform: Interview Study Among Family Caregivers. *JMIR Aging*. 2023 Jan 1;6(1):1–18.
  33. Nguyen H, Nguyen T, Tran D, Hinton L. “It’s extremely hard but it’s not a burden”: A qualitative study of family caregiving for people living with dementia in Vietnam. *PLoS One*. 2021 Nov 29;16(11):1–15.
  34. Cooper E. Staff Education on Identifying Burden and Burnout in Family Caregivers [Internet]. Walden University; 2021. Available from: <https://scholarworks.waldenu.edu/dissertations>
  35. Gibson C, Goeman D, Hutchinson A, Yates M, Pond D. The provision of dementia care in general practice: practice nurse perceptions of their role. *BMC Fam Pract*. 2021 Jun 9;22(1):1–13.
  36. Md Hussin NS, Karuppanan M, Gopalan Y, Tan KM, Gnanasan S. Exploration of non-pharmacological interventions in the management of behavioural and psychological symptoms of dementia. *Singapore Med J*. 2023 Aug 1;64(8):497–502.

37. Kim SK, Park M. Effectiveness of person-centered care on people with dementia: A systematic review and meta-analysis. *Clin Interv Aging*. 2017 Feb 17;12:381–97.
38. Tawfik NM, Sabry NA, Darwish H, Mowafy M, Soliman SSA. Psychoeducational Program for the Family Member Caregivers of People with Dementia to Reduce Perceived Burden and Increase Patient's Quality of Life: A Randomized Controlled Trial. *J Prim Care Community Heal*. 2021;12:1–7.
39. Ma Y, Gong J, Zeng L, Wang Q, Yao X, Li H, et al. The Effectiveness of a Community Nurse-Led Support Program for Dementia Caregivers in Chinese Communities: The Chongqing Ageing and Dementia Study. *J Alzheimer's Dis Reports*. 2023 Nov 1;7(1):1153–64.
40. Strøm BS, Engedal K, Andreassen L. Nursing Staff's Knowledge and Attitudes toward Dementia: A Pilot Study from an Indian Perspective. *Dement Geriatr Cogn Dis Extra*. 2019;9(3):352–61.
41. Lim CK, Ching CW, Jun LJ, Yun L. Level of knowledge and attitude on dementia care among nurses. *Malaysian J Nurs*. 2021 Oct 1;13(2):3–7.
42. Rahmi U, Andriyani S, Supriatin E, Rahmayati E. Nurses' Knowledge About Dementia Care: A Cross-sectional Survey. *Malaysian J Med Heal Sci*. 2021;17(SUPP14):2636–9346.
43. Strøm BS, Lausund H, Rokstad AMM, Engedal K, Goyal A. Nursing Staff's Knowledge and Attitudes towards Dementia in an Indian Nursing Home: A Qualitative Interview Study. *Dement Geriatr Cogn Dis Extra*. 2021 Feb

- 18;11(1):29–37.
44. Scerri A, Innes A, Scerri C. Person-centered dementia care in acute hospital wards—The influence of staff knowledge and attitudes. *Geriatr Nurs (Minneap)*. 2020 Oct 17;41(3):215–21.
  45. Lin PC, Hsieh MH, Chen MC, Yang YM, Lin LC. Knowledge gap regarding dementia care among nurses in Taiwanese acute care hospitals: A cross-sectional study. *Geriatr Gerontol Int*. 2018 Feb 1;18(2):276–85.
  46. Han W, Low JH, Yee GGW, Chan CQH, Low LL. Dementia knowledge and attitudes of healthcare staff: A community hospitals' perspective. *Proc Singapore Healthc*. 2024 Dec;33:1–10.
  47. Aljezawi M. Nurses' knowledge and attitude toward people with Alzheimer's disease: An exploratory study. *Nurs Forum*. 2021 Oct 1;56(4):791–8.
  48. Wang Y, Xiao LD, Luo Y, Xiao SY, Whitehead C, Davies O. Community health professionals' dementia knowledge, attitudes and care approach: A cross-sectional survey in Changsha, China. *BMC Geriatr*. 2018 May 25;18(1):1–10.
  49. Lo IL, Zeng W, Lei CI, Lam C, Lou HL. Knowledge, Attitude and Preventive Practice on Dementia Care among Primary Health Professionals in Macao. *J Prev Alzheimer's Dis*. 2020;7(2):83–6.
  50. Çevik B, Kav S, Çıtak EA, Akyüz E, Abbasoğlu A. Challenges of Providing Nursing Care to Patients with Dementia: A Qualitative Study. *Eur J Geriatr Gerontol*. 2022 Oct;4(3):205–11.

51. Keuning-Plantinga A, Roodbol PF, Krijnen WP, Finnema EJ. Nurses' perceptions in caring for people with dementia in Dutch acute hospitals. *J Clin Nurs*. 2022 Jul;31(13–14):1800–16.
52. Midtbust MH, Alnes RE, Gjengedal E, Lykkeslet E. A painful experience of limited understanding: Healthcare professionals' experiences with palliative care of people with severe dementia in Norwegian nursing homes. *BMC Palliat Care*. 2018 Feb;17(1):1–9.
53. Kim M, Shin S. The impacts of nurses' attitudes towards dementia, critical reflection competency, and nursing work environment on person-centered nursing in acute care hospitals: A descriptive study. *J Korean Gerontol Nurs*. 2023 Nov;25(4):346–56.
54. Keogh B, Ting To W, Daly L, Hynes G, Kennelly S, Lawlor B, et al. Acute hospital staff's attitudes towards dementia and perceived dementia knowledge: A cross-sectional survey in Ireland. *BMC Geriatr*. 2020 Sep;20(1):1–11.
55. Gerritsen DL, van Beek APA, Woods RT. Relationship of care staff attitudes with social well-being and challenging behavior of nursing home residents with dementia: a cross sectional study. *Aging Ment Heal*. 2019 Nov;23(11):1517–23.
56. Duale MA, Gebremariam TT. Knowledge and attitudes towards dementia care among healthcare workers in Somaliland: a need assessment survey. *BMJ Yale [Internet]*. 2023 Oct 24;1–14.
57. Evripidou M, Charalambous A, Middleton N, Papastavrou E. Nurses'

- knowledge and attitudes about dementia care: Systematic literature review. *Perspect Psychiatr Care*. 2019 Jan 1;55(1):48–60.
58. Mulyani S, Lasmani PS, Saifullah AD, Fawadya A, Iffah A, Pramestya S. The attitudes of nurses in the hospital toward vulnerable people. *Open Access Maced J Med Sci*. 2021;9(G):57–65.
59. Travers CM, Beattie E, Martin-Khan M, Fielding E. A survey of the Queensland healthcare workforce: Attitudes towards dementia care and training. *BMC Geriatr*. 2013;13(1):1–7.
60. Teichmann B, Gkioka M, Kruse A, Tsolaki M. Informal Caregivers' Attitude Toward Dementia: The Impact of Dementia Knowledge, Confidence in Dementia Care, and the Behavioral and Psychological Symptoms of the Person with Dementia. A Cross-Sectional Study. *J Alzheimer's Dis*. 2022;88(3):971–84.
61. Sham F, Hazuanis A, Abdul Mulud APDZ, Li S. Person-Centeredness, Knowledge and Attitudes of Nurses towards Persons with Dementia. *Environ Proc J*. 2024 Mar 16;9(28):235–41.
62. Chen IH, Lin KY, Hu SH, Chuang YH, Long CO, Chang CC, et al. Palliative care for advanced dementia: Knowledge and attitudes of long-term care staff. *J Clin Nurs*. 2018 Feb 1;27(3–4):848–58.
63. Gibson C, Goeman D, Pond D. What is the role of the practice nurse in the care of people living with dementia, or cognitive impairment, and their support person(s)?: A systematic review. *BMC Fam Pract*. 2020 Jul 13;21(1):1–18.

64. Suriastini NW, Oktarina D, Sikoki B, Indriati S, Umaroh R, Alfah D, et al. Community health centers response to the need of dementia care. *J Public health Res.* 2023 Mar 28;12(1):1–10.
65. Kementerian Kesehatan Republik Indonesia. Peraturan Menteri Kesehatan Republik Indonesia Nomor 67 Tahun 2015 [Internet]. Jakarta; 2015.
66. Kementerian Kesehatan Republik Indonesia. Peraturan Menteri Kesehatan Republik Indonesia Nomor 43 Tahun 2019 [Internet]. Jakarta; 2019.
67. Dening KH. Recognition and assessment of dementia in primary care. *Br J Community Nurs* August [Internet]. 2019;24(8):383–7.
68. Robinson L, Tang E, Taylor JP. Dementia: Timely diagnosis and early intervention. *BMJ.* 2015 Jun 16;350:1–6.
69. Mccrory V. An overview of the role of the district nurse caring for individuals with complex needs. *Br J Community Nurs.* 2019;24(1):20–6.
70. Dening KH. Dementia: recognition and cognitive testing in community and primary care settings. *Br J Community Nurs.* 2023;28(7):332–6.
71. Aisy Sunaryo SR, Saifullah AD, Mulyani S. Knowledge and attitudes toward people with dementia among nursing students in Yogyakarta, Indonesia. *Belitung Nurs J.* 2020 Dec 21;6(6):196–202.
72. Aljezawi M, Al Qadire M, Suliman M, Al Omari O, Khalaf A. Undergraduate nursing students' knowledge of and attitudes toward people with alzheimer's disease. *BMC Geriatr.* 2022 Aug 22;22(1):1–9.
73. Pham DTM, Do AD, Do HTT, Nguyen AN, Nguyen BT, Do M. Knowledge and attitudes about dementia among nursing students in Vietnam: a cross

- sectional study. *Res Sq.* 2024 Jul 15;3:1–15.
74. Gonen Senturk S, Akyol MA, Kucukguclu O. Nursing Students' Knowledge Levels of Alzheimer's Disease and Related Factors. *J Educ Res Nurs.* 2022 Jun;19(2):162–6.
75. Laura PA, Dolores LFM, Rafael DPC, Pedro GFF, Luis PHP. Undergraduate nursing students' knowledge of Alzheimer's disease and related dementias care. *J Prof Nurs.* 2022 Mar 1;39:101–8.
76. Perin D, Ferraz L, Gonçalves MR, Chaves MLF, Castilhos RM. Knowledge and attitudes about dementia of primary care physicians in Southern Brazil. *BMC Prim Care.* 2024 Oct 16;25(1):1–7.
77. Steiner ABQ, Jacinto AF, de Albuquerque Citero V. Older adults with dementia: knowledge and attitudes of physicians in health units. *Rev Saude Publica.* 2020;54:1–9.
78. Imre N, Balogh R, Papp E, Kovács I, Heim S, Karádi K, et al. Knowledge of general practitioners on dementia and mild cognitive impairment: a cross-sectional, questionnaire study from Hungary. *Educ Gerontol.* 2019 Sep 8;45(8):495–505.
79. Zhao W, Moyle W, Wu MLW, Petsky H. Hospital healthcare professionals' knowledge of dementia and attitudes towards dementia care: A cross-sectional study. *J Clin Nurs.* 2022 Jul;31(13–14):1786–99.
80. Andrews S, Mulyani S, Saifullah AD, Dirk M, Sani T, Sudiyono N, et al. Dementia knowledge of family caregivers in Indonesia: A cross-sectional survey study. *Belitung Nurs J.* 2024 Oct 14;10(5):523–30.

81. Tan GTH, Yuan Q, Devi F, Wang P, Ng LL, Goveas R, et al. Dementia knowledge and its demographic correlates amongst informal dementia caregivers in Singapore. *Aging Ment Heal.* 2021;25(5):864–72.
82. Olvia M, Suseani Pangastuti H, Effendy C. Gambaran Pengetahuan Family caregiver dalam Merawat Pasien Demensia. 2021;5(1):159–68.
83. Mufidah F. Gambaran Pengetahuan Perawat Tentang Demensia Di Puskesmas Kota Bandung. Universitas Pendidikan Indonesia. Universitas Pendidikan Indonesia; 2019.
84. Lee MR. The Relationship among Dementia care Knowledge, Attitudes toward to dementia and Approach to dementia care of Nurses. *J Digit Converg.* 2016;14(12):357–67.
85. Afolabi AO, Eboiyehi FA, Afolabi KA. Gender analysis of nurses' attitude towards care of the elderly with dementia in Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife, Osun State, Nigeria. *J Women Aging.* 2020 Dec 3;32(2):203–19.
86. Aprilia DS. Sikap Dan Pengetahuan Tenaga Kesehatan Puskesmas Tentang Demensia Di Wilayah Bantul Yogyakarta [Internet]. Universitas Muhammadiyah Yogyakarta; 2022.
87. Ompusunggu DM. Hubungan pengetahuan dengan sikap perawat terhadap orang dengan demensia (ODD) di Puskesmas Jakarta Timur. STIK Saint Carolus; 2019.
88. World Health Organization. Dementia: a public health priority. World Health Organization, Alzheimer's Disease International, editors. Geneva: World

Health Organization; 2012.

89. NSW Ministry of Health. Assessment and Management of Behaviours and Psychological Symptoms associated with Dementia (BPSD): A Handbook for NSW Health Clinicians providing services for people experiencing BPSD. Sydney: NSW Ministry of Health; 2022.
90. Alzheimer's Association. 2019 Alzheimer's Disease Facts and Figures. *Alzheimers Dement*. 2019;15(3):321–87.
91. Hendriks S, Peetoom K, Bakker C, Van Der Flier WM, Papma JM, Koopmans R, et al. Global Prevalence of Young-Onset Dementia: A Systematic Review and Meta-analysis. *JAMA Neurol*. 2021 Jul 19;78(9):1080–90.
92. Kremen WS, Beck A, Elman JA, Gustavson DE, Reynolds CA, Tu XM, et al. Influence of young adult cognitive ability and additional education on later-life cognition. *Proc Natl Acad Sci U S A*. 2019;116(6):2021–6.
93. Dove A, Yang W, Dekhtyar S, Guo J, Wang J, Marseglia A, et al. High cognitive reserve attenuates the risk of dementia associated with cardiometabolic diseases. *Alzheimer's Res Ther*. 2024;16(1):1–13.
94. Avila JF, Turney I, Rentería MA, Sol K, Jones RN, Meyer O, et al. Education differentially contributes to cognitive reserve across racial / ethnic groups. *Alzheimer's Dement*. 2021;17(1):70–80.
95. Tang H, Shaaban CE, Dekosky ST, Smith GE, Hu X, Jaffee M. Association of education attainment, smoking status, and alcohol use disorder with dementia risk in older adults : a longitudinal observational study. *Alzheimers*

- Res Ther. 2024;16:1–11.
96. Clouston SAP, Smith DM, Mukherjee S, Zhang Y, Hou W, Link BG, et al. Education and cognitive decline: An integrative analysis of global longitudinal studies of cognitive aging. *Journals Gerontol - Ser B Psychol Sci Soc Sci.* 2020;75(7):E151–60.
  97. Hyun J, Hall CB, Katz MJ, Derby CA, Lipnicki DM, Crawford JD, et al. Education, Occupational Complexity, and Incident Dementia: A COSMIC Collaborative Cohort Study. *J Alzheimer's Dis.* 2022;85(1):179–96.
  98. Moberg L, Leppert J, Liljeström S, Rehn M, Kilander L, Chabok A. Blood pressure screening in midlife aids in prediction of dementia later in life. *Ups J Med Sci.* 2022;127:1–6.
  99. Walker KA, Sharrett AR, Wu A, Schneider ALC, Albert M, Lutsey PL, et al. Association of midlife to late-life blood pressure patterns with incident dementia. *JAMA - J Am Med Assoc.* 2019;322(6):535–45.
  100. Ungvari Z, Toth P, Tarantini S, Prodan CI, Sorond F, Merkely B, et al. Hypertension-induced cognitive impairment: from pathophysiology to public health. *Nat Rev Nephrol.* 2021;17(10):639–54.
  101. Yoo JE, Shin DW, Han K, Kim D, Lee SP, Jeong SM, et al. Blood Pressure Variability and the Risk of Dementia: A Nationwide Cohort Study. *Hypertension.* 2020;75(4):982–90.
  102. Cantuaria ML, Pedersen ER, Waldorff FB, Wermuth L, Pedersen KM, Poulsen AH, et al. Hearing Loss, Hearing Aid Use, and Risk of Dementia in Older Adults. *JAMA Otolaryngol - Head Neck Surg.* 2024;150(2):157–64.

103. Ray J, Popli G, Fell G. Association of Cognition and Age-Related Hearing Impairment in the English Longitudinal Study of Ageing. *JAMA Otolaryngol - Head Neck Surg.* 2018;144(10):876–82.
104. Jiang F, Mishra SR, Shrestha N, Ozaki A, Virani SS, Bright T, et al. Association between hearing aid use and all-cause and cause-specific dementia: an analysis of the UK Biobank cohort. *Lancet Public Heal* [Internet]. 2023;8(5):e329–38.
105. Myrstad C, Engdahl L, Costafreda G, Krokstad S, Lin F, Livingston G, et al. Hearing impairment and risk of dementia in The HUNT Study (HUNT4 70+): a Norwegian cohort study. *eClinicalMedicine.* 2023;66:1–10.
106. Zhang N, Ranson JM, Zheng ZJ, Hannon E, Zhou Z, Kong X, et al. Interaction between genetic predisposition, smoking, and dementia risk: a population-based cohort study. *Sci Rep.* 2021;11(1):1–10.
107. Toda N, Okamura T. Cigarette smoking impairs nitric oxide-mediated cerebral blood flow increase: Implications for Alzheimer’s disease. *J Pharmacol Sci.* 2016;131(4):223–32.
108. Jeong SM, Park J, Han K, Yoo J, Yoo JE, Lee CM, et al. Association of Changes in Smoking Intensity with Risk of Dementia in Korea. *JAMA Netw Open.* 2023;6(1):1–13.
109. Lu Y, Sugawara Y, Zhang S, Tomata Y, Tsuji I. Smoking cessation and incident dementia in elderly Japanese: the Ohsaki Cohort 2006 Study. *Eur J Epidemiol.* 2020;35(9):851–60.
110. Bourassa K, Sbarra DA. Body mass and cognitive decline are indirectly

- associated via inflammation among aging adults. *Brain Behav Immun.* 2017;60:63–70.
111. Ma Y, Ajnakina O, Steptoe A, Cadar D. Higher risk of dementia in English older individuals who are overweight or obese. *Int J Epidemiol.* 2020;49(4):1353–65.
  112. Li J, Liu C, Ang TFA, Au R. BMI decline patterns and relation to dementia risk across four decades of follow-up in the Framingham Study. *Alzheimer's Dement.* 2023;19(6):2520–7.
  113. Liu H, Ma J, Sun L, Zhang Q, Fan J. Relationship between cognitive impairment and serum amyloid  $\beta$ -protein, adiponectin, and c-reactive protein levels in type ii diabetes patients. *Ann Palliat Med.* 2021;10(6):6502–9.
  114. Sloten T Van, Kivimäki M, Dugravot A, Sabia S, Singh-manoux A. Association Between Age at Diabetes Onset and Subsequent Risk of Dementia. *JAMA.* 2021;325(16):1640–9.
  115. Zheng B, Su B, Price G, Tzoulaki I, Ahmadi-Abhari S, Middleton L. Glycemic control, diabetic complications, and risk of dementia in patients with diabetes: Results from a large U.K. cohort study. *Diabetes Care.* 2021;44(7):1556–63.
  116. Respino M, Jaywant A, Kuceyeski A, Victoria LW, Hoptman MJ, Scult MA, et al. The impact of white matter hyperintensities on the structural connectome in late-life depression: Relationship to executive functions. *NeuroImage Clin.* 2019;23:1–8.
  117. Pyo JH, Han SS, Kim MJ, Moon YK, Lee SJ, Lee C, et al. Potential

- Inflammatory Markers Related to the Conversion to Alzheimer's Disease in Female Patients With Late-Life Depression. *Biol Psychiatry Glob Open Sci.* 2024;4(5):1–8.
118. Geraets AFJ, Leist AK, Deckers K, Verhey FRJ, Schram MT, Köhler S. Contributions of modifiable risk factors to increased dementia risk in depression. *Psychol Med.* 2023;53(14):6583–91.
119. Yang L, Deng YT, Leng Y, Ou YN, Li YZ, Chen SD, et al. Depression, Depression Treatments, and Risk of Incident Dementia: A Prospective Cohort Study of 354,313 Participants. *Biol Psychiatry.* 2023;93(9):802–9.
120. Topiwala A, Allan LC, Valkanova V, Zsoldos E, Filippini N, Sexton C, et al. Moderate alcohol consumption as risk factor for adverse brain outcomes and cognitive decline - longitudinal cohort study. *BMJ.* 2017;142(16):1190–2.
121. Koch M, Fitzpatrick AL, Rapp SR, Nahin RL, Williamson JD, Lopez OL, et al. Alcohol Consumption and Risk of Dementia and Cognitive Decline among Older Adults with or Without Mild Cognitive Impairment. *JAMA Netw Open.* 2019;2(9):1–13.
122. Zheng L, Liao W, Luo S, Li B, Liu D, Yun Q, et al. Articles Association between alcohol consumption and incidence of dementia in current drinkers : linear and non-linear mendelian randomization analysis. *eClinicalMedicine.* 2024;76:1–12.
123. Kim YJ, Han K do, Baek MS, Cho H, Lee EJ, Lyoo CH. Association between physical activity and conversion from mild cognitive impairment to dementia. *Alzheimers Res Ther.* 2020;12:1–8.

124. Najar J, Östling S, Gudmundsson P, Sundh V, Johansson L, Kern S, et al. Cognitive and physical activity and dementia: A 44-year longitudinal population study of women. *Neurology*. 2019;92(12):1322–30.
125. Dupré C, Bongue B, Helmer C, Dartigues JF, Hupin D, Roche F, et al. Physical activity types and risk of dementia in community-dwelling older people: The Three-City cohort. *BMC Geriatr*. 2020;20(1):1–9.
126. Feter N, Dumith SC, Smith EC, da Cunha LL, Cassuriaga J, Leite JS, et al. Physical activity attenuates the risk for dementia associated with aging in older adults with mild cognitive impairment: Findings from a population-based cohort study. *J Psychiatr Res*. 2021;141:1–8.
127. Huang AR, Roth DL, Cidav T, Chung SE, Amjad H, Thorpe RJ, et al. Social isolation and 9-year dementia risk in community-dwelling Medicare beneficiaries in the United States. *J Am Geriatr Soc*. 2023;71(3):765–73.
128. Shen C, Rolls ET, Cheng W, Kang J, Dong G, Xie C, et al. Associations of Social Isolation and Loneliness with Later Dementia. *Neurology*. 2022;99(2):164–75.
129. Evans IEM, Llewellyn DJ, Matthews FE, Woods RT, Brayne C, Clare L. Social isolation, cognitive reserve, and cognition in healthy older people. *PLoS One*. 2018;13(8):1–14.
130. Yang Y, Jiang Y. The Association Between Social Isolation and Incident Dementia Among Older Adults : Evidence From National Health and Aging Trend Study. *Innov Aging*. 2024;8(10):1–8.
131. Sommerlad A, Sabia S, Singh-Manoux A, Lewis G, Livingston G.

- Association of social contact with dementia and cognition : 28-year follow-up of the Whitehall II cohort study. *PLoS Med.* 2019;16(8):1–18.
132. Duffner LA, Deckers K, Cadar D, Steptoe A, de Vugt M, Köhler S. The role of cognitive and social leisure activities in dementia risk: assessing longitudinal associations of modifiable and on-modifiable risk factors. *Epidemiol Psychiatr Sci.* 2022;31(5):1–10.
  133. Bryant AM, Rose NB, Temkin NR, Barber JK, Manley GT, Mccrea MA, et al. Profiles of Cognitive Functioning at 6 Months After Traumatic Brain Injury Among Patients in Level I Trauma Centers A TRACK-TBI Study. *JAMA Netw Open.* 2023;6(12):1–13.
  134. Chung XS, Wang XX, Fieremans XE, Rath XJF, Amorapanth XP, Foo XFA, et al. Altered Relationship between Working Memory and Brain Microstructure after Mild Traumatic Brain Injury. *AJNR Am J Neuroradiol.* 2019;40(9):1438–44.
  135. Gardner RC, Bahorik A, Kornblith ES, Allen IE, Plassman BL, Yaffe K. Systematic Review , Meta-Analysis , and Population Attributable Risk of Dementia Associated with Traumatic Brain Injury in Civilians and Veterans. *J Neurotrauma.* 2023;40(7–8):620–34.
  136. Raj R, Kaprio J, Korja M, Mikkonen ED, Jousilahti P, Siironen J. Risk of hospitalization with neurodegenerative disease after moderate- to-severe traumatic brain injury in the working-age population : A retrospective cohort study using the Finnish national health registries. *PLoS Med.* 2017;14(7):1–16.

137. Zhang L, Yang W, Li X, Dove A, Qi X, Pan KY, et al. Association of life-course traumatic brain injury with dementia risk : A nationwide twin study. *Alzheimers Dement.* 2023;19(1):217–25.
138. Grande G, Hooshmand B, Vetrano DL, Smith DA, Refsum H, Fratiglioni L, et al. Association of Long-term Exposure to Air Pollution and Dementia Risk: The Role of Homocysteine, Methionine, and Cardiovascular Burden. *Neurology.* 2023;101(12):E1231–40.
139. Grande G, Ljungman PLS, Eneroth K, Bellander T, Rizzuto D. Association between Cardiovascular Disease and Long-term Exposure to Air Pollution with the Risk of Dementia. *JAMA Neurol.* 2020;77(7):801–9.
140. Oudin A, Segersson D, Adolfsson R, Forsberg B. Association between air pollution from residential wood burning and dementia incidence in a longitudinal study in Northern Sweden. *PLoS One.* 2018;13(6):1–15.
141. Olloquequi J, Díaz-Peña R, Verdaguer E, Ettcheto M, Auladell C, Camins A. From Inhalation to Neurodegeneration: Air Pollution as a Modifiable Risk Factor for Alzheimer’s Disease. *Int J Mol Sci.* 2024;25(13).
142. Bai KJ, Chuang KJ, Chen CL, Jhan MK, Hsiao TC, Cheng TJ, et al. Microglial activation and inflammation caused by traffic-related particulate matter. *Chem Biol Interact.* 2019;311:1–16.
143. Alzheimer’s Society. The progression and stages of dementia. London: Alzheimer’s Society; 2020.
144. World Health Organization. Risk reduction of cognitive decline and dementia: WHO guidelines. Geneva: World Health Organization; 2019.

145. Laganà V, Bruno F, Altomari N, Bruni G, Smirne N, Curcio S, et al. Neuropsychiatric or Behavioral and Psychological Symptoms of Dementia (BPSD): Focus on Prevalence and Natural History in Alzheimer's Disease and Frontotemporal Dementia. *Front Neurol.* 2022;13:1–9.
146. Alzheimer's Association. 2024 Alzheimer's Disease Facts and Figures. Vol. 20, *Alzheimers Dement.* 2024.
147. Al-harrasi AM, Iqbal E, Tsamakidis K, Lasek J, Gadelrab R, Soysal P, et al. Motor signs in Alzheimer's disease and vascular dementia: Detection through natural language processing, co-morbid features and relationship to adverse outcomes. *Exp Gerontol.* 2021;146:1–9.
148. Coyle-Gilchrist ITS, Dick KM, Patterson K, Rodríguez PV, Wehmann E, Wilcox A, et al. Prevalence, characteristics, and survival of frontotemporal lobar degeneration syndromes. *Neurology.* 2016;86(18):1736–43.
149. Young JJ, Lavakumar M, Tampi D, Balachandran S, Tampi RR. Frontotemporal dementia: latest evidence and clinical implications. *Ther Adv Psychopharmacol.* 2018;8(1):33–48.
150. McKeith IG, Boeve BF, Dickson DW, Halliday G, Taylor JP, Weintraub D, et al. Diagnosis and management of dementia with Lewy bodies: Fourth consensus report of the DLB Consortium. *Neurology.* 2017;89(1):88–100.
151. De Reuck J, Maurage CA, Deramecourt V, Pasquier F, Cordonnier C, Leys D, et al. Aging and cerebrovascular lesions in pure and in mixed neurodegenerative and vascular dementia brains: A neuropathological study. *Folia Neuropathol.* 2018;56(2):81–7.

152. Claus JJ, Staekenborg SS, Roorda JJ, Stevens M, Herderschee D, Van Maarschalkerweerd W, et al. Low Prevalence of Mixed Dementia in a Cohort of 2,000 Elderly Patients in a Memory Clinic Setting. *J Alzheimer's Dis.* 2016;50(3):797–806.
153. Özsürekcı C, Arslan SS, Demir N, Çalışkan H, Şengül Ayçiçek G, Kılınç HE, et al. Timing of Dysphagia Screening in Alzheimer's Dementia. *J Parenter Enter Nutr.* 2020;44(3):516–24.
154. Güner M, Baş AO, Ceylan S, Kahyaoğlu Z, Çöteli S, Ünsal P, et al. Dysphagia is closely related to frailty in mild-to-moderate Alzheimer's disease. *BMC Geriatr.* 2023;23(1):1–7.
155. De Stefano A, Di Giovanni P, Kulamarva G, Gennachi S, Di Fonzo F, Sallustio V, et al. Oropharyngeal dysphagia in elderly population suffering from mild cognitive impairment and mild dementia: Understanding the link. *Am J Otolaryngol.* 2020;41(4):1–4.
156. Espinosa-Val M, Martín-Martínez A, Graupera M, Arias O, Elvira A, Cabre M, et al. Prevalence, Risk Factors, and Complications of Oropharyngeal Dysphagia in Older Patients with Dementia. *Age Ageing.* 2021;12(3):1–15.
157. Sheikhany AR, Abdel Hady AF, Farag S. Oropharyngeal dysphagia profile in early versus late stage dementia. *Egypt J Otolaryngol.* 2019;35(2):240–240.
158. Zhang L, Wang J, Dong X, Dove A, Sakakibara S, Liu X, et al. Injurious Falls before, during, and after Stroke Diagnosis: A Population-based Study. *J Am Med Dir Assoc.* 2022;51:1–9.

159. Mesbah N, Perry M, Hill KD, Kaur M, Hale L. Postural stability in older adults with alzheimer disease. *Phys Ther.* 2017;97(3):290–309.
160. Keleman A, Wisch JK, Bollinger RM, Grant EA, Benzinger TL, Morris JC, et al. Falls Associate with Neurodegenerative Changes in ATN Framework of Alzheimer’s Disease. *J Alzheimer’s Dis.* 2020;77(2):745–52.
161. Dong X, Liu G, Yin X, Min R, Hu Y. Fall risks and the related factors for the homebound older people with dementia: Evidence from East China. *Front Public Heal.* 2022;10:1–10.
162. Funayama M, Koreki A, Takata T, Hisamatsu T, Mizushima J, Ogino S, et al. Pneumonia Risk Increased by Dementia-Related Daily Living Difficulties: Poor Oral Hygiene and Dysphagia as Contributing Factors. *Am J Geriatr Psychiatry [Internet].* 2023;31(11):877–85.
163. Yuen JK, Luk JKH, Chan TC, Shea YF, Chu ST, Bernacki R, et al. Reduced Pneumonia Risk in Advanced Dementia Patients on Careful Hand Feeding Compared With Nasogastric Tube Feeding. *J Am Med Dir Assoc.* 2022;23(9):1541–7.
164. Shirobe M, Edahiro A, Motokawa K, Morishita S, Ohara Y, Motohashi Y, et al. Association between Dementia Severity and Oral Hygiene Management Issues in Older Adults with Alzheimer’s Disease: A Cross-Sectional Study. *Int J Environ Res Public Health.* 2023;20(5):1–10.
165. Manabe T, Fujikura Y, Mizukami K, Akatsu H, Kudo K. Pneumonia-associated death in patients with dementia: A systematic review and meta-analysis. *PLoS One.* 2019;14(3):1–14.

166. Okinami T, Ohno T, Nishikawa N. Underweight , dementia , and not being completely independent in bowel management are risk factors for urinary incontinence among older people. *Cont Reports*. 2024;12:1–8.
167. Burholt V, Pillai A, Cheung G, Awatere SA, Daltrey J. Epidemiology of Faecal Incontinence for People with Dementia Living in the Community in New Zealand: A Retrospective Cohort Study Using interRAI Home Care Assessment Data. *Gerontology*. 2024;70(9):930–9.
168. Burholt V, Cheung G, Awatere SA, Daltrey JF. Incidence, Prevalence, and Risk for Urinary Incontinence for People with Dementia in the Community in Aotearoa New Zealand: An interRAI Study. *J Am Med Dir Assoc* [Internet]. 2024;25(11):1–7.
169. Murphy C, Laine C De, Macaulay M, Lennie KH, Fader M. Problems faced by people living at home with dementia and incontinence: causes, consequences and potential solutions. *Age Ageing*. 2021;50(3):944–54.
170. Juliebø-Jones P, Coulthard E, Mallam E, Archer H, Drake MJ. Understanding the Impact of Urinary Incontinence in Persons with Dementia: Development of an Interdisciplinary Service Model. *Adv Urol*. 2021;2021:1–6.
171. Cavalli A, Lelli D, Pedone C, Boccardi V, Mecocci P, Incalzi RA. Attention, Praxis, and Reasoning Are Associated with Risk of Undernutrition in Older People with Cognitive Impairment. *J Alzheimer’s Dis*. 2022;89(3):1017–24.
172. Arifin H, Chen R, Banda KJ, Kustanti CY, Chang CY, Lin HC, et al. Meta-analysis and moderator analysis of the prevalence of malnutrition and

- malnutrition risk among older adults with dementia. *Int J Nurs Stud.* 2024;150:1–13.
173. Borda MG, Ayala Copete AM, Tovar-Rios DA, Jaramillo-Jimenez A, Giil LM, Soennesyn H, et al. Association of Malnutrition with Functional and Cognitive Trajectories in People Living with Dementia: A Five-Year Follow-Up Study. *J Alzheimer's Dis.* 2021;79(4):1713–22.
174. Kokura Y, Momosaki R. Prevalence of Malnutrition Assessed by the GLIM Criteria and Association with Activities of Daily Living in Older Residents in an Integrated Facility for Medical and Long-Term Care. *Nutrients.* 2022;14(17):1–12.
175. Doorduijn AS, De Van Der Schueren MAE, Van De Rest O, De Leeuw FA, Hendriksen HMA, Teunissen CE, et al. Energy intake and expenditure in patients with Alzheimer's disease and mild cognitive impairment: The NUDAD project. *Alzheimer's Res Ther.* 2020;12(1):1–8.
176. Le HT, Dang AK, Le LTT, Nguyen HTT, Nguyen GT, Nguyen HTT, et al. Nutritional status, dietary quality and eating disturbance issues among people with dementia in Vietnam: evidence of a cross-sectional study. *J Heal Popul Nutr.* 2024;43(1):1–10.
177. Kauzor K, Drewel M, Gonzalez H, Rattinger GB, Hammond AG, Wengreen H, et al. Malnutrition and neuropsychiatric symptoms in dementia: The Cache County Dementia Progression Study. *Int Psychogeriatrics.* 2023;35(11):653–63.
178. Kimura A, Sugimoto T, Kitamori K, Saji N, Niida S, Toba K, et al.

- Malnutrition is associated with behavioral and psychiatric symptoms of dementia in older women with mild cognitive impairment and early-stage alzheimer's disease. *Nutrients*. 2019;11(8):1–14.
179. Shinagawa S, Hashimoto M, Yamakage H, Toya S, Ikeda M. Eating problems in people with dementia with Lewy bodies: Associations with various symptoms and the physician's understanding. *Int Psychogeriatrics*. 2024;(2024):1194–204.
180. O'Donovan G, Hamer M, Sarmiento OL, Hessel P. Education in early life markedly reduces the probability of cognitive impairment in later life in Colombia. *Sci Rep*. 2020;10(1):1–8.
181. Gazzina S, Grassi M, Premi E, Cosseddu M, Alberici A, Archetti S, et al. Education modulates brain maintenance in presymptomatic frontotemporal dementia. *J Neurol Neurosurg Psychiatry*. 2019;90(10):1124–30.
182. Wang Y, Wang S, Zhu W, Liang N, Zhang C, Pei Y, et al. Reading activities compensate for low education-related cognitive deficits. *Alzheimer's Res Ther*. 2022;14(1):1–12.
183. Almeida-Meza P, Steptoe A, Cadar D, Almeida-Meza P. Is Engagement in Intellectual and Social Leisure Activities Protective against Dementia Risk? Evidence from the English Longitudinal Study of Ageing. *J Alzheimer's Dis*. 2021;80(2):555–65.
184. Chen H, Dhana K, Huang Y, Huang L, Tao Y, Liu X, et al. Association of the Mediterranean Dietary Approaches to Stop Hypertension Intervention for Neurodegenerative Delay (MIND) Diet with the Risk of Dementia. *JAMA*

- Psychiatry. 2023;80(6):630–8.
185. Peters R, Xu Y, Fitzgerald O, Aung HL, Beckett N, Bulpitt C, et al. Blood pressure lowering and prevention of dementia: an individual patient data meta-analysis. *Eur Heart J*. 2022;43(48):4980–90.
  186. Bucholc M, Bauermeister S, Kaur D, McClean PL, Todd S. The impact of hearing impairment and hearing aid use on progression to mild cognitive impairment in cognitively healthy adults: An observational cohort study. *Alzheimer's Dement Transl Res Clin Interv*. 2022;8(1):1–12.
  187. Völter C, Götze L, Kamin ST, Haubitz I, Dazert S, Thomas JP. Can cochlear implantation prevent cognitive decline in the long-term follow-up? *Front Neurol*. 2022;13:1–17.
  188. Liu X, Akhtar US, Beck T, Dennis K, Evans DA, Rajan KB. Hearing loss, diet, and cognitive decline: interconnections for dementia prevention. *J Prev Alzheimer's Dis [Internet]*. 2025;12(3):1–8.
  189. Lancaster T, Stead LF. Individual behavioural counselling for smoking cessation. *Cochrane Database Syst Rev*. 2017;3(3):1–70.
  190. Farooq M, Puranik M, Uma S. Effectiveness of cognitive-behavioral therapy compared with basic health education for tobacco cessation among smokers: A randomized controlled trial. *J Indian Assoc Public Heal Dent*. 2020;18(1):25–30.
  191. World Health Organization. Acceleration Plan To Stop Obesity [Internet]. World Health Organization. Geneva: World Health Organization; 2023.
  192. Xu X, Xu Y, Shi R. Association between obesity, physical activity, and

- cognitive decline in Chinese middle and old-aged adults: a mediation analysis. *BMC Geriatr.* 2024;24(1):1–10.
193. World Health Organization. mhGAP Intervention Guide Mental Health Gap Action Programme Version 2.0 for mental, neurological and substance use disorders in non-specialized health settings. *World Heal Organ.* 2016;1–173.
194. Wang X, Guo J, Liu H, Zhao T, Li H, Wang T. Impact of Social Participation Types on Depression in the Elderly in China: An Analysis Based on Counterfactual Causal Inference. *Front Public Heal.* 2022;10:1–13.
195. Bone JK, Bu F, Fluharty ME, Paul E, Sonke JK, Fancourt D. Engagement in leisure activities and depression in older adults in the United States: Longitudinal evidence from the Health and Retirement Study. *Soc Sci Med.* 2022;294:1–8.
196. Hörder H, Johansson L, Guo X, Grimby G, Kern S, Östling S, et al. Midlife cardiovascular fitness and dementia: A 44-year longitudinal population study in women. *Neurology.* 2018;90(15):1298–305.
197. Kekäläinen T, Luchetti M, Terracciano A, Gamaldo AA, Mogle J, Lovett HH, et al. Physical activity and cognitive function: moment-to-moment and day-to-day associations. *Int J Behav Nutr Phys Act.* 2023;20(1):1–12.
198. Espeland MA, Lipska K, Miller ME, Rushing J, Cohen RA, Verghese J, et al. Effects of Physical Activity Intervention on Physical and Cognitive Function in Sedentary Adults With and Without Diabetes. *J Gerontol A Biol Sci Med Sci.* 2017;72(6):861–6.
199. Kimura Y, Yoshida D, Hirakawa Y, Hata J, Honda T, Shibata M, et al.

- Dietary fiber intake and risk of type 2 diabetes in a general Japanese population: The Hisayama Study. *J Diabetes Investig*. 2021;12(4):527–36.
200. Osonuga IO, Olalekan SO, Olukade BA, Adedokun TA. Plain water intake in the prevention and management of type 2 diabetes mellitus (T2DM) – A study of biomarkers associated with insulin resistance in a black African population. *Sci African*. 2024;23:1–6.
201. Kyrø C, Tjønneland A, Overvad K, Olsen A, Landberg R. Higher whole-grain intake is associated with lower risk of type 2 diabetes among middle-aged men and women: The Danish diet, cancer, and health cohort. *J Nutr* [Internet]. 2018;148(9):1434–44.
202. Paiva AF, Cunha C, Voss G, Delerue Matos A. The interrelationship between social connectedness and social engagement and its relation with cognition: A study using SHARE data. *Ageing Soc*. 2023;43(8):1735–53.
203. Zhou S, Song S, Jin Y, Zheng ZJ. Prospective association between social engagement and cognitive impairment among middle-aged and older adults: Evidence from the China Health and Retirement Longitudinal Study. *BMJ Open*. 2020;10(11):1–9.
204. Noguchi T, Nojima I, Inoue-Hirakawa T, Sugiura H. The association between social support sources and cognitive function among community-dwelling older adults: A one-year prospective study. *Int J Environ Res Public Health*. 2019;16(21):5–13.
205. Xu W, Wang H, Wan Y, Tan C, Li J, Tan L, et al. Alcohol consumption and dementia risk: a dose–response meta-analysis of prospective studies. *Eur J*

- Epidemiol. 2017;32(1):31–42.
206. Jeon KH, Han K, Jeong SM, Park J, Yoo JE, Yoo J, et al. Changes in Alcohol Consumption and Risk of Dementia in a Nationwide Cohort in South Korea. *JAMA Netw open*. 2023;6(2):e2254771.
207. Maas A, Menon D, Manley G, Abrams M, Åkerlund C, Andelic N. Traumatic brain injury: progress and challenges in prevention, clinical care, and research. *Lancet Neurol*. 2023;21(11):1004–60.
208. Seo S, Yeom SR, Park SW, Wang IJ, Cho SJ, Yang WT, et al. Effect of use and type of helmet on occurrence of traumatic brain injuries in motorcycle riders in Korea: a retrospective cohort study. *J Trauma Inj*. 2023;36(2):87–97.
209. Ganti L, Bodhit AN, Daneshvar Y, Hatchitt K, Kuchibhotla S, Pulvino C, et al. Effectiveness of seatbelts in mitigating traumatic brain injury severity. *World J Emerg Med*. 2021;12(1):68–72.
210. Montero-odasso M, Velde N Van Der, Martin FC, Petrovic M, Tan MP, Ryg J, et al. World guidelines for falls prevention and management for older adults: a global initiative. 2022;51(9).
211. Lai Y, Kontokosta CE. The impact of urban street tree species on air quality and respiratory illness: A spatial analysis of large-scale, high-resolution urban data. *Heal Place [Internet]*. 2019;56(January):80–7.
212. Lee WS, Tran TM, Yu LB. Green infrastructure and air pollution: Evidence from highways connecting two megacities in China. *J Environ Econ Manage*. 2023;122:1–19.

213. Jiang M, Meng X, Qi L, Hu X, Xu R, Yan M, et al. The health effects of wearing facemasks facemasks on cardiopulmonary system of healthy young adults: A double-blinded, randomized crossover trial. *Int J Hyg Environ Health* [Internet]. 2021;236:1–9.
214. Annear MJ, Toye C, McInerney F, Eccleston C, Tranter B, Elliott KE, et al. What should we know about dementia in the 21st century? A Delphi consensus study. *BMC Geriatr*. 2015;15(1):1–13.
215. Elser H, Horváth-Puhó E, Gradus JL, Smith ML, Lash TL, Glymour MM, et al. Association of Early-, Middle-, and Late-Life Depression with Incident Dementia in a Danish Cohort. *JAMA Neurol*. 2023;80(9):949–58.
216. Watt JA, Goodarzi Z, Veroniki AA, Nincic V, Khan PA, Ghassemi M, et al. Comparative efficacy of interventions for reducing symptoms of depression in people with dementia: Systematic review and network meta-analysis. *BMJ*. 2021;372:1–13.
217. Singh-Manoux A, Dugravot A, Fournier A, Abell J, Ebmeier K, Kivimäki M, et al. Trajectories of depressive symptoms before diagnosis of dementia: A 28-year follow-up study. *JAMA Psychiatry*. 2017;74(7):712–8.
218. Tetsuka S. Depression and Dementia in Older Adults: A Neuropsychological Review. *Aging Dis*. 2021;12(8):1920–34.
219. Atee M, Morris T, Macfarlane S, Cunningham C. Pain in Dementia: Prevalence and Association With Neuropsychiatric Behaviors. *J Pain Symptom Manage*. 2021;61(6):1215–26.
220. Wang Z, Sun Z, Zheng H. Association between chronic pain and dementia:

- a systematic review and meta-analysis. *Eur J Ageing*. 2024;21(1):1–26.
221. Bombón-Albán PE, Poblano-Aguilar I, Lara-Serrano BC. Pain in dementia. *Rev Neuropsiquiatr*. 2022;85(4):327–9.
222. Gordon EH, Ward DD, Xiong H, Berkovsky S, Hubbard RE. Delirium and incident dementia in hospital patients in New South Wales, Australia: retrospective cohort study. *BMJ*. 2024;384:1–10.
223. Davis DHJ, Muniz-Terrera G, Keage HAD, Stephan BCM, Fleming J, Ince PG, et al. Association of Delirium With Cognitive Decline in Late Life. *JAMA Psychiatry*. 2017;74(3):244–51.
224. Konermann S. The interface between delirium and dementia in elderly adults. *J Clin Sleep Med*. 2016;12(2):263–6.
225. Dou KX, Tan MS, Tan CC, Cao XP, Hou XH, Guo QH, et al. Comparative safety and effectiveness of cholinesterase inhibitors and memantine for Alzheimer's disease: A network meta-analysis of 41 randomized controlled trials. *Alzheimer's Res Ther*. 2018;10(1):1–10.
226. Jin B, Liu H. Comparative efficacy and safety of therapy for the behavioral and psychological symptoms of dementia: a systemic review and Bayesian network meta-analysis. *J Neurol*. 2019;266(10):2363–75.
227. National Health Service. Guidelines for the Pharmacological Management of Dementia. England: National Health Service; 2020. 1–33 p.
228. Luo G, Zhang J, Song Z, Wang Y, Wang X, Qu H, et al. Effectiveness of non-pharmacological therapies on cognitive function in patients with dementia—A network meta-analysis of randomized controlled trials. *Front*

- Aging Neurosci. 2023;15:1–12.
229. Scales K, Zimmerman S, Miller SJ. Evidence-Based Nonpharmacological Practices to Address Behavioral and Psychological Symptoms of Dementia. *Gerontologist*. 2018;58(1):88–102.
230. Anderson LW, Krathwohl Peter W Airasian DR, Cruikshank KA, Mayer RE, Pintrich PR, Raths J, et al. *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom’s Taxonomy of Educational Objectives*. London: Longman; 2001.
231. Gardner P, Gilbert J, Plummer V, Hills D. Registered nurses’ knowledge, attitudes and practices of pain management for aged care residents with dementia: an integrative review. *Contemp Nurse*. 2024;60(5):496–515.
232. Du H, Wang X, Lai X, Wang W, Huo X. Nurses’ knowledge, attitude and practice regarding non-pharmacologic interventions for behavioral and psychological symptoms of dementia. *BMC Psychiatry*. 2024 Jul 24;24(1):1–9.
233. Zeru T, Berihu H, Gerensea H, Teklay G, Teklu T, Gebrehiwot H, et al. Assessment of knowledge and attitude towards palliative care and associated factors among nurses working in selected tigray hospitals, northern ethiopia: A cross-sectional study. *Pan Afr Med J*. 2020;35:1–12.
234. Weaver SO. Evidence-Based Nursing Education on Dementia and Dementia Evidence-Based Nursing Education on Dementia and Dementia Care Care [Internet]. Abilene Christian University; 2020.
235. Rasmussen BM, Andersen PT, Waldorff FB, Berg-Beckhoff G.

- Effectiveness of dementia education for professional care staff and factors influencing staff-related outcomes: An overview of systematic reviews. *Int J Nurs Stud.* 2023;142:1–14.
236. Doruk Kondakci D, Mandiracioğlu A. Investigating Nursing Students' Levels of Knowledge about Investigating Nursing Students' Levels of Knowledge about Alzheimer's Disease Alzheimer's Disease. *Makara J Heal Res.* 2024;28(1):66–74.
237. Islam MM, Parkinson A, Burns K, Woods M, Yen L. A training program for primary health care nurses on timely diagnosis and management of dementia in general practice: An evaluation study. *Int J Nurs Stud.* 2020 May 1;105:1–8.
238. Lin PC, Hsieh MH, Lin LC. Hospital nurse knowledge of and approach to dementia care. *J Nurs Res.* 2012 Sep;20(3):197–207.
239. Blaser R, Berset J. Setting matters: Associations of nurses' attitudes towards people with dementia. *Nurs Open.* 2019 Oct 12;6(1):155–61.
240. Yous ML, Ploeg J, Kaasalainen S, Martin LS. Nurses' Experiences in Caring for Older Adults With Responsive Behaviors of Dementia in Acute Care. *SAGE Open Nurs.* 2019;5:1–15.
241. Lea E, Robinson A, Doherty K. Relationship Between Dementia Knowledge and Occupational Strain Among Staff of Residential Facilities for Older Adults: A Cross-sectional Survey. *Ageing Int.* 2023 Feb 17;48:1221–37.
242. Fukuda R, Shimizu Y, Seto N. Issues experienced while administering care to patients with dementia in acute care hospitals: A study based on focus

- group interviews. *Int J Qual Stud Health Well-being*. 2015 Feb 24;10:1–13.
243. Vafeas C, Jacob E, Jacob A. Measuring attitudes of those caring for people living with dementia: A quantitative survey. *Contemp Nurse*. 2020;56(5–6):491–504.
244. Hartung B, Lalonde M, Vanderspank-Wright B, Phillips JC. New graduate nurses and dementia care in acute care: A qualitative study. *Nurse Educ Pract*. 2021 Apr 14;53:1–7.
245. Dookhy J, Daly L. Nurses' experiences of caring for persons with dementia experiencing responsive behaviours in an acute hospital: A qualitative descriptive study. *Int J Older People Nurs*. 2021 Jul 1;16(4):1–10.
246. Ayton D, O'Brien P, Treml J, Soh SE, Morello R, Barker A. Nurses' perceptions of preventing falls for patients with dementia in the acute hospital setting. *Australas J Ageing*. 2017 Dec 1;36(4):E70–2.
247. Moermans VRA, Bleijlevens MHC, Verbeek H, Passos VL, Milisen K, Hamers JPH. District nurses' attitudes towards involuntary treatment in dementia care at home: A cross-sectional study. *Geriatr Nurs (Minneap)*. 2022 Sep 1;47:107–15.
248. Mahmoud SY. Nurses' Knowledge of, and Attitudes and Perceptions towards People with Dementia: A Mixed Method Study in Saudi Arabia. University of Southampton; 2021.
249. Korkmaz Aslan G, Kılınç İşleyen E, Kartal A. Nursing students' knowledge and attitudes about dementia: A cross-sectional study. *Nurse Educ Pract*. 2023 Oct 1;72:1–7.

250. Wang Y, Xiao LD, Huang R. A comparative study of dementia knowledge, attitudes and care approach among Chinese nursing and medical students. *BMC Med Educ.* 2020 Nov 16;20(1):1–9.
251. Scerri A, Scerri C. Outcomes in knowledge, attitudes and confidence of nursing staff working in nursing and residential care homes following a dementia training programme. *Aging Ment Heal.* 2019 Aug;23(8):919–28.
252. Mallon C, Krska J, Gammie S. Views and experiences of care home staff on managing behaviours that challenge in dementia: a national survey in England. *Aging Ment Heal.* 2019 Jun;23(6):698–705.
253. Zarei F, Dehghani A, Ratanasiri A, Ghaffari M, Raina SK, Halimi A, et al. ChecKAP: A Checklist for Reporting a Knowledge, Attitude, and Practice (KAP) Study. *Asian Pacific J Cancer Prev.* 2024;25(7):2573–7.
254. Glanz K, K.Rimer B, Viswanath K. *Health Behavior.* 8th ed. San Fransisco: Jossey-Bass; 2015.
255. Rogers ME. *The change agent.* 2nd ed. London: Macmillan Publishers; 2017.
256. Kundu DK, Sarker S, Khan AY, Samadder M. Beyond Knowledge, Attitude and Practice (Kap): A Study on the COVID-19 Pandemic Situation In Bangladesh. *Soc Sci Rev.* 2022;38(1):33–52.
257. Fraenkel. Jack R, Wallen NE, Hyun HH. *How to design and evaluate research in education.* 8th ed. New York: McGraw-Hill; 2011.
258. Nursalam. *Metodologi penelitian ilmu keperawatan: pendekatan praktis.* 4th ed. Jakarta: Salemba Medika; 2015.
259. Sugiyono. *Metode Penelitian Kuantitatif, Kualitatif, dan R&D.* Bandung:

- Alfabeta; 2013.
260. Notoatmodjo S. Metodologi penelitian kesehatan. Jakarta: Rineka Cipta; 2010.
261. Kementerian Kesehatan. Profil Tenaga Kesehatan [Internet]. Kementerian Kesehatan. 2025. Available from: <https://dashboard.kemkes.go.id/views/ProfilTenagaKesehatan/ProfilTenagaKesehatan%5C>
262. Golzar J, Noor S. Defining Convenience Sampling in a Scientific Research. *Int J Educ Lang Stud.* 2022;1(2):72–7.
263. Syapitri H, Amila, Arotonang J. Buku ajar metodologi penelitian kesehatan. Malang: Ahlimedia Press; 2021.
264. Adiputra IMS, Trisnadewi NW, Oktavian NPW, Munthe SA, Hulu VT, Budiastutik I, et al. Metodologi Penelitian Kesehatan. Medan: Yayasan Kita Menulis,; 2021.
265. Rao R, Paramasivam G, Ramachandra Rao I, Prabhu MA. Normality Testing in Statistics: What Clinician-Researchers Should Know. *Hear Fail J India.* 2024;2(1):55–60.
266. Annear MJ, Toye CM, Eccleston CE, McInerney FJ, Elliott KEJ, Tranter BK, et al. Dementia knowledge assessment scale: Development and preliminary psychometric properties. *J Am Geriatr Soc.* 2015 Nov 1;63(11):2375–81.
267. Annear MJ, Toye C, Elliott KEJ, McInerney F, Eccleston C, Robinson A. Dementia knowledge assessment scale (DKAS): Confirmatory factor analysis and comparative subscale scores among an international cohort.

- BMC Geriatr. 2017 Jul 31;17(1):1–11.
268. O'Connor ML, McFadden SH. Development and psychometric validation of the dementia attitudes scale. *Int J Alzheimers Dis.* 2010;2010:1–10.
269. Arikunto S. *Prosedur penelitian suatu pendekatan praktek.* Jakarta: Rineka Cipta; 2010.
270. Mulyani S, Saifullah AD, Dewi Cahyani K, Sukmawati AS, Aisy SR. Validity and Reliability of Dementia Knowledge Assessment Scale and Dementia Attitude Scale in the Indonesian Language among Nursing Students. *Open Access Maced J Med Sci.* 2023 Jul 20;11(B):671–7.
271. Kurniawan W, Agustini. *Aat. Metodologi penelitian kesehatan dan keperawatan.* Cirebon: Rumah Pustaka; 2021.
272. Abubakar R. *Pengantar Metodologi Penelitian.* Yogyakarta: SUKA-Press; 2021.
273. Fitri A, Rahim R, Nurhayati, Aziz, Pagiling SL, Natsir I, et al. *Dasar-dasar Statistika untuk Penelitian.* Medan: Yayasan Kita Menulis; 2023.
274. Mishra P, Pandey CM, Singh U, Gupta A, Sahu C, Keshri A. Descriptive statistics and normality tests for statistical data. *Ann Card Anaesth.* 2019;22(1):67–72.
275. Nuryadi, Astuti TD, Utami ES, Budiantara M. *Dasar-dasar Statistik Penelitian.* Yogyakarta: Sibuku Media; 2017.
276. Smyth W, Fielding E, Beattie E, Gardner A, Moyle W, Franklin S, et al. A survey-based study of knowledge of Alzheimer's disease among health care staff. *BMC Geriatr.* 2013;13(1).

277. Schaap T, Thropp P. Timing of Alzheimer ' s disease biomarker progressions : A two-decade observational study from the Alzheimer ' s Disease Neuroimaging Initiative ( ADNI ). 2024;(September):9060–7.
278. Craig L, Hoo ZL, Yan TZ, Wardlaw J, Quinn TJ. Prevalence of dementia in ischaemic or mixed stroke populations: systematic review and meta-analysis. *J Neurol Neurosurg Psychiatry*. 2022;93(2):180–7.
279. Richardson SJ, Davis DHJ, Stephan BCM, Robinson L, Brayne C, Barnes LE, et al. Recurrent delirium over 12 months predicts dementia: results of the Delirium and Cognitive Impact in Dementia (DECIDE) study. *Age Ageing*. 2021;50(3):914–20.
280. Registered Nurses' Association of Ontario. *Delirium, Dementia and Depression in Older Adults : Assessment and Care (Second Edition)*. 2nd ed. Registered Nurses' Association of Ontario (RNAO). Ontario: Registered Nurses' Association of Ontario; 2016.
281. Sideman AB, Ma M, Hernandez De Jesus A, Alagappan C, Razon N, Dohan D, et al. Primary Care Pracitioner Perspectives on the Role of Primary Care in Dementia Diagnosis and Care. *JAMA Netw Open*. 2023;6(9):E2336030.
282. da Costa GD, Dos Santos OG, Oliveira MA de C. Knowledge, attitudes, and qualification needs of primary health care professionals in the care of dementia. *Rev Bras Enferm*. 2020;73(Suppl 3):1–9.
283. Clevenger CK, Lingler JH, Zhang Y, Seleri S, Parnas ML, Youmans-Kidder K. Role of nurse practitioners in comprehensive alzheimer's disease care: Barriers and opportunities for timely diagnosis. *Geriatr Nurs (Minneap)*

- [Internet]. 2025;61:400–7.
284. Jao Y ling, Liu W, Williams K, Chaudhury H, Parajuli J, City I, et al. Association between environmental stimulation and apathy in nursing home residents with dementia. *Int Psychogeriatr*. 2020;31(8):1109–20.
285. Liu W, Jao Y ling, Williams K. The Association of Eating Performance and Environmental Stimulation among Older Adults with Dementia in Nursing Homes: A Secondary Analysis. *Int J Nurs Stud*. 2017;71:70–9.
286. Baurant T, Grino M, Peloso C, Schiettecatte F, Planelles M, Oliver C, et al. Impact of Environmental Modifications to Enhanced Day-Night Orientation on Behavior of Nursing Home Residents With Dementia. *J Am Med Dir Assoc*. 2019;20(3):377–81.
287. Patton D. Reality orientation: Its use and effectiveness within older person mental health care. *J Clin Nurs*. 2006;15(11):1440–9.
288. Woodrow P. Interventions for confusion and dementia 3: alternative approaches. *Br J Nurs*. 1998;7(19):1145–9.
289. Wang JJ, Hsieh PF, Wang CJ. Long-term care nurses' communication difficulties with people living with dementia in Taiwan. *Asian Nurs Res (Korean Soc Nurs Sci)* [Internet]. 2013;7(3):99–103.
290. Theofanidis D, Fountouki A, Kotrotsiou S. Nursing Interventions in Alzheimer's Disease: A Concise Practical Guide for Everyday Use. *Int J Caring Sci* [Internet]. 2021;14(1):1–106. Available from: [www.internationaljournalofcaringsciences.org](http://www.internationaljournalofcaringsciences.org)
291. Woodrow P. Interventions for confusion and dementia. 2: Reality orientation.

- Br J Nurs. 1998;7(17):1018–20.
292. Brück CC, Mooldijk SS, Kuiper LM, Sambou ML, Licher S, Mattace-Raso F, et al. Time to nursing home admission and death in people with dementia: systematic review and meta-analysis. *BMJ*. 2025;388:e080636.
293. Ono R, Sakurai T, Sugimoto T, Uchida K, Nakagawa T, Noguchi T, et al. Mortality Risks and Causes of Death by Dementia Types in a Japanese Cohort with Dementia: NCGG-STORIES. *J Alzheimer's Dis*. 2023;92(2):487–98.
294. Takeuchi Y, Kato M, Kitamura T, Toda D, Taniguchi Y, Shogenji M, et al. Development of professional care program for nurses in dementia wards and its educational effects. *Am J Alzheimers Dis Other Demen*. 2020;35:1–4.
295. Catalán L, Pot AM, Pepper A, Dening KH, Oliveira D. Nursing staff's attitudes towards the prevention of adverse events among hospitalized people with dementia: Protocol of qualitative systematic review and evidence synthesis. *PLoS One*. 2024;19(9):1–8.
296. Yaghmour SM. Impact of settings and culture on nurses' knowledge of and attitudes and perceptions towards people with dementia: An integrative literature review. *Nurs Open*. 2022;9(1):66–93.
297. Moyle W, Murfield JE, Griffiths SG, Venturato L. Care staff attitudes and experiences of working with older people with dementia. *Australas J Ageing*. 2011;30(4):186–90.
298. Gilbert J, Ward L, Walter R. A labour of love: Reward and satisfaction for nurses: Findings from a grounded theory study in dementia care. *Dementia*.

- 2021;20(5):1697–710.
299. Thi H, Vu T, Nguyen LH, Nguyen TX. Knowledge and Attitude Toward Geriatric Palliative Care among Health Professionals in Vietnam. *Int J Env Res Public Heal*. 2019;16(15):1–11.
300. Evans-lacko S, Ferri CP. Dementia-Related Stigma Among Health Professionals, Family Carers, People With Dementia, and the General Public in Brazil. *Stigma Heal*. 2023;
301. Rivett E, Hammond L, West J. What influences self-perceived competence and confidence in dementia care home staff? A systematic review. *Psychogeriatrics*. 2019;19(5):440–56.
302. Surr CA, Smith SJ, Crossland J, Robins J. Impact of a person-centred dementia care training programme on hospital staff attitudes , role efficacy and perceptions of caring for people with dementia : A repeated measures study. *Int J Nurs Stud*. 2015;44:108.
303. Kang Y, Hons MAP, Moyle W, Cooke M. An educational programme to improve acute care nurses' knowledge, attitudes and family caregiver involvement in care of people with cognitive impairment. *Scand J Caring Sci*. 2016;31(3):631–40.