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References for the debate

Abdi, J., Al-Hindawi, A., Ng, T. and Vizcaychipi, M.P. (2019) 'Scoping review on the use of socially assistive robot technology in elderly care', *BMJ Open*, 8(2), e018815. Available at: <https://doi.org/10.1136/bmjopen-2017-018815> (Accessed: 14 July 2026).

Boada, J.P., Maestre, B.R. and Genís, C.T. (2021) 'The ethical issues of social assistive robotics: a critical literature review', *Technology in Society*, 67, 101726. Available at: <https://doi.org/10.1016/j.techsoc.2021.101726> (Accessed: 3 July 2026).

Cellan-Jones, R. (2020) 'Stephen Hawking warns artificial intelligence could end mankind', *BBC News*, 2 December. Available at: <https://www.bbc.co.uk/news/technology-30290540> (Accessed: 21 July 2026).

Draper, H., Sorell, T., Bedaf, S., Syrdal, D.S., Gutierrez-Ruiz, C., Duclos, A. and Amirabdollahian, F. (2019) 'Ethical dimensions of human–robot interactions in the care of older people: insights from 21 focus groups convened in the UK, France and the Netherlands', *Lecture Notes in Computer Science*, pp. 135–145. Available at: https://doi.org/10.1007/978-3-319-11973-1_14 (Accessed: 8 July 2026).

Hale, C. (2026) “Ask people if they want to be cared for by a robot, and most say no”: people are warming up to robots at work—but they do not want them in hospitals or schools’, *TechRadar*. Available at: <https://www.techradar.com/pro/ask-people-if-they-want-to-be-cared-for-by-a-robot-and-most-say-no-people-are-warming-up-to-robots-at-work-but-they-dont-want-them-in-hospitals-or-schools> (Accessed: 24 July 2026).

Ihamäki, P. and Heljakka, K. (2021) ‘Robot pets as “serious toys”: activating social and emotional experiences of elderly people’, *Information Systems Frontiers*. Available at: <https://doi.org/10.1007/s10796-021-10175-z> (Accessed: 6 July 2026).

Jenkins, S. and Draper, H. (2019) ‘Care, monitoring, and companionship: views on care robots from older people and their carers’, *International Journal of Social Robotics*, 7(5), pp. 673–683. Available at: <https://doi.org/10.1007/s12369-015-0322-y> (Accessed: 18 July 2026).

Kenway, E. (2023) “Care bots”: a dream for carers or a dangerous fantasy?, *The Observer*, 21 May. Available at: <https://www.theguardian.com/society/2023/may/21/care-bots-care-tech-uk-robots-carers-emily-kenway> (Accessed: 11 July 2026).

Khaksar, W., Lindblom, D.S., Bygrave, L.A. and Torresen, J. (2025) ‘Robotics in elderly healthcare: a qualitative analysis of 20 recent European research projects’, *ACM Transactions on Human-Robot Interaction*. Available at: <https://doi.org/10.1145/3711936> (Accessed: 2 July 2026).

Local Government Association (n.d.) ‘Taking the strain with cobots in care’. Available at: <https://www.local.gov.uk/case-studies/taking-strain-cobots-care> (Accessed: 23 July 2026).

Masala, G.L. and Giorgi, I. (2025) ‘Artificial intelligence and assistive robotics in healthcare services: applications in silver care’, *International Journal of Environmental Research and Public Health*, 22(5), 781. Available at: <https://doi.org/10.3390/ijerph22050781> (Accessed: 9 July 2026).

Misselhorn, C., Pompe, U. and Stapleton, M. (2023) ‘Ethical considerations regarding the use of social robots in the fourth age’, *GeroPsych*, 26(2), pp. 121–133. Available at: <https://doi.org/10.1024/1662-9647/a000088> (Accessed: 16 July 2026).

Mois, G. and Beer, J.M. (2020) ‘The role of healthcare robotics in providing support to older adults: a socio-ecological perspective’, *Current Geriatrics Reports*, 9(2), pp. 82–89. Available at: <https://doi.org/10.1007/s13670-020-00314-w> (Accessed: 5 July 2026).

Nature.com (2026) ‘Client challenge’. Available at: <https://www.nature.com/articles/s41599-025-05432-4> (Accessed: 25 July 2026).

Preston, R.C., Shippy, M.R., Aldwin, C.M. and Fitter, N.T. (2024) 'How can robots facilitate physical, cognitive, and social engagement in skilled nursing facilities?', *Frontiers in Aging*, 5, 1463460. Available at: <https://doi.org/10.3389/fragi.2024.1463460> (Accessed: 12 July 2026).

Robinson, H., MacDonald, B. and Broadbent, E. (2024) 'The role of healthcare robots for older people at home: a review', *International Journal of Social Robotics*, 6(4), pp. 575–591. Available at: <https://doi.org/10.1007/s12369-014-0242-2> (Accessed: 1 July 2026).

Sawik, B., Tobis, S., Baum, E., Suwalska, A., Kropińska, S., Stachnik, K., Pérez-Bernabeu, E., Cildoz, M., Agustin, A. and Wieczorowska-Tobis, K. (2023) 'Robots for elderly care: review, multi-criteria optimization model and qualitative case study', *Healthcare*, 11(9), 1286. Available at: <https://doi.org/10.3390/healthcare11091286> (Accessed: 20 July 2026).

Sharkey, A. and Sharkey, N. (2022) 'Granny and the robots: ethical issues in robot care for the elderly', *Ethics and Information Technology*, 14(1), pp. 27–40. Available at: <https://doi.org/10.1007/s10676-010-9234-6> (Accessed: 7 July 2026).

Sobrepera, M.J., Nguyen, A.T., Gavin, E.S. and Johnson, M.J. (2024) 'Insights into the deployment of a social robot-augmented telepresence robot in an elder care clinic—perspectives from patients and therapists: a pilot study', *Robotica*, pp. 1–29. Available at: <https://doi.org/10.1017/S026357472400002X> (Accessed: 19 July 2026).

Staffordshire County Council (2019) *Director of Public Health annual report 2019*. Available at: <https://www.staffordshire.gov.uk/adult-social-care/adult-social-care-policies-and-reports/director-public-health-annual-reports-2> (Accessed: 4 July 2026).

Tan, S.Y., Taeihagh, A. and Tripathi, A. (2021) 'Tensions and antagonistic interactions of risks and ethics of using robotics and autonomous systems in long-term care', *Technological Forecasting and Social Change*, 167, 120686. Available at: <https://doi.org/10.1016/j.techfore.2021.120686> (Accessed: 15 July 2026).