**Supplementary Material: Search terms; technologies and citations identified**

1. Search terms

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| **Number** | **Theme/COIs** | **Terms** |
| 1 | Performing activities of daily living | Activities of daily living; independent activities of daily living, Instrumental activities of daily living; Finances; scheduling; managing medicine; medication, dressing; eating/meals |
| 2 | Sleep health | Sleep onset latency; sleep quality; sleep waking; sleep duration; sleep staging; circadian; sleep disturbance; daytime sleepiness; sleep quality  |
| 3 | Memory  | Encoding; Episodic memory; learning; remembering; recollection |
| 4 | Language  | Vocabulary; communication; fluency; speech; language; lexicon; lexical; linguistic; verbal fluency |
| 5 | Social connection/activities | time spent; distance; location; calendar; social; sms; social media; activities; |
| 6 | Oculomotor | Reaction time; eye movements; pupillometry |
| 7 | Cognition  | Learning; skills; technological confidence; self-efficacy; digital literacy; attention; executive function; social cognition; app usage, cognitive function; cognitive dysfunction; cognitive impairment; cognitive decline; dementia |
| 8 | Life space mobility  | Gait Function; walking; transitions; physical activity; driving; time spent; distance; location; navigation; Variability of activity; spatial awareness; balance |
| 9 | Essential bodily function  | Eating; food; swallowing; dressing; showering; using the bathroom; continence |
| 10 | Emotions/behavioral issues  | Depression; anxiety; emotion; emotional lability; anger; outbursts; emotional blunting, aggression; agitation; delirium; behavioral change; impulse control; impulsive; personality |
| 11 | Population of interest diagnostic status  | Preclinical/MCI/Prodromal/Mild AD (Amnestic/non amnestic); Subjective Cognitive Decline; Subjective Cognitive Concerns; Cognitive Dysfunction; Mild Cognitive Impairment; Moderate AD; Severe AD; Vascular Dementia; FTD; Lewy body; General dementia; Mixed-Domain Cognitive Impairment; Mixed AD/Vascular Dementia |
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1. Technologies and evidence captured through literature search & partner review

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|  | **Model** | **Manufacturer** | **Evidence Value** |  |
|  | Actiwatch Spectrum | Philips | Au-Yeung, W. T. M., Miller, L., Beattie, Z., May, R., Cray, H. V., Kabelac, Z., ... & Vahia, I. V. (2022). Monitoring behaviors of patients with late-stage dementia using passive environmental sensing approaches: a case series. The American Journal of Geriatric Psychiatry, 30(1), 1-11. https://doi.org/10.1016%2Fj.jagp.2021.04.008 |  |
|  | Actiwatch Spectrum | Philips | Au‐Yeung, W. T. M., Miller, L., Beattie, Z., Dodge, H. H., Reynolds, C., Vahia, I., & Kaye, J. (2020). Sensing a problem: Proof of concept for characterizing and predicting agitation. Alzheimer's & Dementia: Translational Research & Clinical Interventions, 6(1), e12079.Chicago https://doi.org/10.1002%2Ftrc2.12079 |  |
|  | AI Dialogue Agent | Experimental | Tang, F., Uchendu, I., Wang, F., Dodge, H. H., & Zhou, J. (2020). Scalable diagnostic screening of mild cognitive impairment using AI dialogue agent. Scientific reports, 10(1), 1-11. https://doi.org/10.1038/s41598-020-61994-0 |  |
|  | Altoida ADPS | Altoida | Rai, L., Boyle, R., Brosnan, L., Rice, H., Farina, F., Tarnanas, I., & Whelan, R. (2020). Digital biomarkers based individualized prognosis for people at risk of dementia: the AltoidaML Multi-site External validation Study. In GeNeDis 2018: Computational Biology and Bioinformatics (pp. 157-171). Springer International Publishing. https://doi.org/10.1007/978-3-030-32622-7\_14 |  |
|  | Altoida DNS | Altoida | Harms, R. L., Ferrari, A., Meier, I. B., Martinkova, J., Santus, E., Marino, N., ... & Santuccione Chadha, A. (2022). Digital biomarkers and sex impacts in Alzheimer’s disease management—potential utility for innovative 3P medicine approach. EPMA Journal, 13(2), 299-313. https://doi.org/10.1007/s13167-022-00284-3 |  |
|  | Altoida DNS | Altoida | Meier, I. B., Buegler, M., Harms, R., Seixas, A., Çöltekin, A., & Tarnanas, I. (2021). Using a Digital Neuro Signature to measure longitudinal individual-level change in Alzheimer’s disease: The Altoida large cohort study. NPJ Digital Medicine, 4(1), 101. https://doi.org/10.1038/s41746-021-00470-z |  |
|  | Altoida DNS | Altoida | Muurling, M., de Boer, C., Kozak, R., Religa, D., Koychev, I., Verheij, H., ... & Visser, P. J. (2021). Remote monitoring technologies in Alzheimer’s disease: design of the RADAR-AD study. Alzheimer's research & therapy, 13(1), 1-13. https://doi.org/10.1186/s13195-021-00825-4 |  |
|  | Altoida DNS | Altoida | Seixas, A. A., Rajabli, F., Pericak-Vance, M. A., Jean-Louis, G., Harms, R. L., & Tarnanas, I. (2022). Associations of digital neuro-signatures with molecular and neuroimaging measures of brain resilience: The altoida large cohort study. Frontiers in psychiatry, 13, 899080. https://doi.org/10.3389%2Ffpsyt.2022.899080 |  |
|  | Altoida DNS | Altoida | Sood, M., Harms, R., Bügler, M., Tarnanas, I., Coello, N., & Fröhlich, H. (2021). Evaluating digital device technology in Alzheimer’s disease via artificial intelligence. Alzheimer's & Dementia, 17, e053574. https://doi.org/10.1002/alz.053574 |  |
|  | Altoida DNS | Altoida | Tarnanas, I., Vlamos, P., & RADAR-AD Consortium. (2021). Can detection and prediction models for Alzheimer’s Disease be applied to Prodromal Parkinson’s Disease using explainable artificial intelligence? A brief report on Digital Neuro Signatures. Open Research Europe, 1(146), 146. https://doi.org/10.12688/openreseurope.14216.2 |  |
|  | Altoida iADL task | Altoida | Tarnanas, I., Tsolaki, A., Wiederhold, M., Wiederhold, B., & Tsolaki, M. (2015). Five-year biomarker progression variability for Alzheimer's disease dementia prediction: Can a complex instrumental activities of daily living marker fill in the gaps?. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring, 1(4), 521-532. https://doi.org/10.1016/j.dadm.2015.10.005 |  |
|  | Altoida Neuro Motor Index | Altoida | Buegler, M., Harms, R. L., Balasa, M., Meier, I. B., Exarchos, T., Rai, L., ... & Tarnanas, I. (2020). Digital biomarker‐based individualized prognosis for people at risk of dementia. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring, 12(1), e12073. https://doi.org/10.1002%2Fdad2.12073 |  |
|  | Ambulatory Research in Cognition (ARC) app | Cognitive Technology Research Laboratory (CTRLab), Washington University in St. Louis; Sage Bionetworks | Nicosia, J., Aschenbrenner, A. J., Balota, D. A., Sliwinski, M. J., Tahan, M., Adams, S., ... & Hassenstab, J. (2022). Unsupervised high-frequency smartphone-based cognitive assessments are reliable, valid, and feasible in older adults at risk for Alzheimer’s disease. Journal of the International Neuropsychological Society, 1-13. https://doi.org/10.1017%2FS135561772200042X |  |
|  | Ambulatory Research in Cognition (ARC) app | Cognitive Technology Research Laboratory (CTRLab), Washington University in St. Louis; Sage Bionetworks | Wilks, H., Aschenbrenner, A. J., Gordon, B. A., Balota, D. A., Fagan, A. M., Musiek, E., ... & Hassenstab, J. (2021). Sharper in the morning: Cognitive time of day effects revealed with high-frequency smartphone testing. Journal of Clinical and Experimental Neuropsychology, 43(8), 825-837. https://doi.org/10.1080%2F13803395.2021.2009447 |  |
|  | Amsterdam IADL Questionnaire | Alzheimer Center VU University Medical Center, Amsterdam, The Netherlands | Muurling, M., de Boer, C., Kozak, R., Religa, D., Koychev, I., Verheij, H., ... & Visser, P. J. (2021). Remote monitoring technologies in Alzheimer’s disease: design of the RADAR-AD study. Alzheimer's research & therapy, 13(1), 1-13. https://doi.org/10.1186/s13195-021-00825-4 |  |
|  | Automatic Speech Recognition algorithm | Experimental | Tóth, L., Hoffmann, I., Gosztolya, G., Vincze, V., Szatlóczki, G., Bánréti, Z., ... & Kálmán, J. (2018). A speech recognition-based solution for the automatic detection of mild cognitive impairment from spontaneous speech. Current Alzheimer Research, 15(2), 130-138. https://doi.org/10.2174/1567205014666171121114930 |  |
|  | AX3 | Axivity | Corbi, A., & Burgos, D. (2022). Connection between sleeping patterns and cognitive deterioration in women with Alzheimer’s disease. Sleep and Breathing, 1-11. https://doi.org/10.1007/s11325-021-02327-x |  |
|  | AX3 | Axivity | Mc Ardle, R., Del Din, S., Donaghy, P., Galna, B., Thomas, A. J., & Rochester, L. (2021). The impact of environment on gait assessment: considerations from real-world gait analysis in dementia subtypes. Sensors, 21(3), 813. https://doi.org/10.3390/s21030813 |  |
|  | AX3 | Axivity | Mc Ardle, R., Del Din, S., Donaghy, P., Galna, B., Thomas, A., & Rochester, L. (2020). Factors that influence habitual activity in mild cognitive impairment and dementia. Gerontology, 66(2), 197-208. https://doi.org/10.1159/000502288 |  |
|  | AX3 | Axivity | Mc Ardle, R., Del Din, S., Galna, B., Thomas, A., & Rochester, L. (2020). Differentiating dementia disease subtypes with gait analysis: feasibility of wearable sensors?. Gait & posture, 76, 372-376. https://doi.org/10.1016/j.gaitpost.2019.12.028 |  |
|  | AX3 | Axivity | Muurling, M., de Boer, C., Kozak, R., Religa, D., Koychev, I., Verheij, H., ... & Visser, P. J. (2021). Remote monitoring technologies in Alzheimer’s disease: design of the RADAR-AD study. Alzheimer's research & therapy, 13(1), 1-13. https://doi.org/10.1186/s13195-021-00825-4 |  |
|  | AX3 | Axivity | Wang, J., Battioui, C., McCarthy, A., Dang, X., Zhang, H., Man, A., ... & Biglan, K. (2022). Evaluating the Use of Digital Biomarkers to Test Treatment Effects on Cognition and Movement in Patients with Lewy Body Dementia. Journal of Parkinson's Disease, (Preprint), 1-14.Chicago https://doi.org/10.3233/jpd-213126 |  |
|  | Bedside AS (BAS) Task | Experimental | Hellmuth, J., Mirsky, J., Heuer, H. W., Matlin, A., Jafari, A., Garbutt, S., ... & Boxer, A. L. (2012). Multicenter validation of a bedside antisaccade task as a measure of executive function. Neurology, 78(23), 1824-1831. https://doi.org/10.1212%2FWNL.0b013e318258f785 |  |
|  | Bittium Faros 180 | Bittium | Godkin, F. E., Turner, E., Demnati, Y., Vert, A., Roberts, A., Swartz, R. H., ... & Van Ooteghem, K. (2021). Feasibility of a continuous, multi-sensor remote health monitoring approach in persons living with neurodegenerative disease. Journal of neurology, 1-14. https://doi.org/10.1007/s00415-021-10831-z |  |
|  | Boston cognitive assessment (BOCA) | BellCurveAndMe | Vyshedskiy, A., Netson, R., Fridberg, E., Jagadeesan, P., Arnold, M., Barnett, S., ... & Gold, D. (2022). Boston cognitive assessment (BOCA)—a comprehensive self-administered smartphone-and computer-based at-home test for longitudinal tracking of cognitive performance. BMC neurology, 22(1), 1-12. https://doi.org/10.1186/s12883-022-02620-6 |  |
|  | Boston Remote Assessment for Neurocognitive Health (BRANCH) | Harvard Medical School / Mass General Brigham | Papp, K. V., Samaroo, A., Chou, H. C., Buckley, R., Schneider, O. R., Hsieh, S., ... & Amariglio, R. E. (2021). Unsupervised mobile cognitive testing for use in preclinical Alzheimer's disease. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring, 13(1), e12243. https://doi.org/10.1002/dad2.12243 |  |
|  | Brain Health Assessment (BHA) | Cogniciti | Paterson, T. S., Sivajohan, B., Gardner, S., Binns, M. A., Stokes, K. A., Freedman, M., ... & Troyer, A. K. (2022). Accuracy of a self-administered online cognitive assessment in detecting amnestic mild cognitive impairment. The Journals of Gerontology: Series B, 77(2), 341-350. https://doi.org/10.1093/geronb/gbab097 |  |
|  | CANTAB | Cambridge Cognition | Baker, E., Dente, P., Backx, R., Lowther, M., Cotter, J., Cormack, F. K., & Barnett, J. (2020). Delivery of CANTAB assessments across diverse health systems: developing topics. Alzheimer's & Dementia, 16, e047550. https://doi.org/10.1002/alz.047550 |  |
|  | CANTAB | Cambridge Cognition | McWilliams, E. C., Barbey, F. M., Dyer, J. F., Islam, M. N., McGuinness, B., Murphy, B., ... & Buick, A. R. (2021). Feasibility of repeated assessment of cognitive function in older adults using a wireless, mobile, dry-EEG headset and tablet-based games. Frontiers in psychiatry, 12, 574482. https://doi.org/10.3389/fpsyt.2021.574482 |  |
|  | CANTAB | Cambridge Cognition | CC provided 140+ abstracts of clinical studies featuring CANTAB in Alzheimer's patient populations. Available upon request. |  |
|  | CANTAB | Cambridge Cognition | CC provided 72 abstracts featuring CANTAB in MCI patient populations. Available upon request. |  |
|  | CANTAB | Cambridge Cognition | CC provided abstracts featuring CANTAB in Lewy Body patient populations. Available upon request.  |  |
|  | CANTAB | Cambridge Cognition | CC provided 12 abstracts featuring CANTAB in frontotemporal dementia populations. Available upon request.  |  |
|  | CANTAB | Cambridge Cognition | CC provided 60+ abstracts of clinical studies featuring CANTAB in dementia populations. Available upon request.  |  |
|  | Cascade Neural Network | Experimental | You, Z., Zeng, R., Lan, X., Ren, H., You, Z., Shi, X., ... & Hu, X. (2020). Alzheimer's disease classification with a cascade neural network. Frontiers in Public Health, 8, 584387. https://doi.org/10.3389/fpubh.2020.584387 |  |
|  | Cognionics 2-channel EEG headband | CGX Systems | Casciola, A. A., Carlucci, S. K., Kent, B. A., Punch, A. M., Muszynski, M. A., Zhou, D., ... & Nygaard, H. B. (2021). A deep learning strategy for automatic sleep staging based on two-channel EEG headband data. Sensors, 21(10), 3316. https://doi.org/10.3390/s21103316 |  |
|  | Cogstate Brief Battery | Cogstate | Maruff, P., Lim, Y. Y., Darby, D., Ellis, K. A., Pietrzak, R. H., Snyder, P. J., ... & Masters, C. L. (2013). Clinical utility of the cogstate brief battery in identifying cognitive impairment in mild cognitive impairment and Alzheimer’s disease. BMC psychology, 1(1), 1-11. https://doi.org/10.1186/2050-7283-1-30 |  |
|  | Computerized Cognitive Composite (C3) battery | Cogstate | Jutten, R. J., Rentz, D. M., Fu, J. F., Mayblyum, D. V., Amariglio, R. E., Buckley, R. F., ... & Papp, K. V. (2022). Monthly at-home computerized cognitive testing to detect diminished practice effects in preclinical Alzheimer's disease. Frontiers in Aging Neuroscience, 13, 800126.https://doi.org/10.3389/fnagi.2021.800126 |  |
|  | Cumulus Platform | Cumulus Neuroscience | 510(k) Clearance K221963 |  |
|  | Cumulus Platform | Cumulus Neuroscience | McWilliams, E. C., Barbey, F. M., Dyer, J. F., Islam, M. N., McGuinness, B., Murphy, B., ... & Buick, A. R. (2021). Feasibility of repeated assessment of cognitive function in older adults using a wireless, mobile, dry-EEG headset and tablet-based games. Frontiers in psychiatry, 12, 574482. https://doi.org/10.3389/fpsyt.2021.574482 |  |
|  | Cumulus Platform | Cumulus Neuroscience | UKCA Marking |  |
|  | Digital Clock and Recall (DCR) | Linus Health | Banks, R. E., Higgins, C., Bates, D., Gomes‐Osman, J. R., Pascual‐Leone, A., & Tobyne, S. E. (2022). Enhanced Machine Learning Classification of Cognitive Impairment with Multimodal Digital Biomarkers. Alzheimer's & Dementia, 18, e060485. https://doi.org/10.1002/alz.060485 |  |
|  | Digital Clock Drawing Test | Linus Health; Lahey Clinic and Massachusetts Institute of Technology | Binaco, R., Calzaretto, N., Epifano, J., McGuire, S., Umer, M., Emrani, S., ... & Polikar, R. (2020). Machine learning analysis of digital clock drawing test performance for differential classification of mild cognitive impairment subtypes versus Alzheimer’s disease. Journal of the International Neuropsychological Society, 26(7), 690-700. https://doi.org/10.1017/s1355617720000144 |  |
|  | Discrete Tension Indicator (DTI-2) | Philips | Melander, C. A., Kikhia, B., Olsson, M., Wälivaara, B. M., & Sävenstedt, S. (2019). The impact of using measurements of electrodermal activity in the assessment of problematic behaviour in dementia. Dementia and Geriatric Cognitive Disorders Extra, 8(3), 333-347. https://doi.org/10.1159/000493339 |  |
|  | Dreem 3 headband | Beacon | Wilson, S., Ardle, R. M., Tolley, C., & Slight, S. (2022). Usability and acceptability of wearable technology in the early detection of dementia. Alzheimer's & Dementia, 18, e059820. https://doi.org/10.1002/alz.059820 |  |
|  | DryBuddy | DryBuddy Enuresis Solutions | Rose, K. M., Lach, J., Perkhounkova, Y., Gong, J., Dandu, S. R., Dickerson, R., ... & Stankovic, J. (2018). Use of body sensors to examine nocturnal agitation, sleep, and urinary incontinence in individuals with Alzheimer's disease. Journal of Gerontological Nursing, 44(8), 19-26. https://doi.org/10.3928/00989134-20180626-03 |  |
|  | DynaPort Hybrid | McRoberts | Van Lummel, R. C., Walgaard, S., Hobert, M. A., Maetzler, W., Van Dieën, J. H., Galindo-Garre, F., & Terwee, C. B. (2016). Intra-rater, inter-rater and test-retest reliability of an instrumented timed up and go (iTUG) test in patients with Parkinson’s disease. PloS one, 11(3), e0151881. https://doi.org/10.1371/journal.pone.0151881 |  |
|  | DynaPort Hybrid | McRoberts | Van Uem, J. M., Walgaard, S., Ainsworth, E., Hasmann, S. E., Heger, T., Nussbaum, S., ... & Maetzler, W. (2016). Quantitative timed-up-and-go parameters in relation to cognitive parameters and health-related quality of life in mild-to-moderate Parkinson's disease. PloS one, 11(4), e0151997. https://doi.org/10.1371%2Fjournal.pone.0151997 |  |
|  | Dynaport MoveMonitor | McRoberts | Schootemeijer, S., Weijer, R. H., Hoozemans, M. J., van Schooten, K. S., Delbaere, K., & Pijnappels, M. (2020). Association between daily-life gait quality characteristics and physiological fall risk in older people. Sensors, 20(19), 5580. https://doi.org/10.3390%2Fs20195580 |  |
|  | DynaPort MT | McRoberts | Buchman, A. S., Dawe, R. J., Leurgans, S. E., Curran, T. A., Truty, T., Yu, L., ... & Bennett, D. A. (2020). Different combinations of mobility metrics derived from a wearable sensor are associated with distinct health outcomes in older adults. The Journals of Gerontology: Series A, 75(6), 1176-1183. https://doi.org/10.1093%2Fgerona%2Fglz160 |  |
|  | Emerald | Emerald Innovations | Au-Yeung, W. T. M., Miller, L., Beattie, Z., May, R., Cray, H. V., Kabelac, Z., ... & Vahia, I. V. (2022). Monitoring behaviors of patients with late-stage dementia using passive environmental sensing approaches: a case series. The American Journal of Geriatric Psychiatry, 30(1), 1-11. https://doi.org/10.1016/j.jagp.2021.04.008 |  |
|  | Emerald | Emerald Innovations | Vahia, I. V., Kabelac, Z., Hsu, C. Y., Forester, B. P., Monette, P., May, R., ... & Katabi, D. (2020). Radio signal sensing and signal processing to monitor behavioral symptoms in dementia: a case study. The American Journal of Geriatric Psychiatry, 28(8), 820-825. https://doi.org/10.1016/j.jagp.2020.02.012 |  |
|  | Emfit Sleep Sensor | Emfit | Au‐Yeung, W. T. M., Miller, L., Beattie, Z., Dodge, H. H., Reynolds, C., Vahia, I., & Kaye, J. (2020). Sensing a problem: Proof of concept for characterizing and predicting agitation. Alzheimer's & Dementia: Translational Research & Clinical Interventions, 6(1), e12079. https://doi.org/10.1002%2Ftrc2.12079 |  |
|  | Convolutional neural network using mobility data | Experimental | Bringas, S., Salomón, S., Duque, R., Lage, C., & Montaña, J. L. (2020). Alzheimer’s disease stage identification using deep learning models. Journal of Biomedical Informatics, 109, 103514. https://doi.org/10.1016/j.jbi.2020.103514 |  |
|  | Convolutional neural network for gaze location estimation | Experimental | Jiang, Z., Seyedi, S., Haque, R. U., Pongos, A. L., Vickers, K. L., Manzanares, C. M., ... & Clifford, G. D. (2022). Automated analysis of facial emotions in subjects with cognitive impairment. Plos one, 17(1), e0262527. https://doi.org/10.1371/journal.pone.0262527 |  |
|  | Convolutional neural network + LSTM for voice analysis | Experimental | Xue, C., Karjadi, C., Paschalidis, I. C., Au, R., & Kolachalama, V. B. (2021). Detection of dementia on voice recordings using deep learning: a Framingham Heart Study. Alzheimer's Research & Therapy, 13, 1-15. https://doi.org/10.1186/s13195-021-00888-3 |  |
|  | EyeLink 1000 Plus | SR Research | Pavisic, I. M., Pertzov, Y., Nicholas, J. M., O’Connor, A., Lu, K., Yong, K. X., ... & Crutch, S. J. (2021). Eye-tracking indices of impaired encoding of visual short-term memory in familial Alzheimer’s disease. Scientific reports, 11(1), 8696. https://doi.org/10.1038/s41598-021-88001-4 |  |
|  | EyeLink 1000 Plus | SR Research | Russell, L. L., Greaves, C. V., Convery, R. S., Nicholas, J., Warren, J. D., Kaski, D., & Rohrer, J. D. (2021). Novel instructionless eye tracking tasks identify emotion recognition deficits in frontotemporal dementia. Alzheimer's research & therapy, 13, 1-11. https://doi.org/10.1186/s13195-021-00775-x |  |
|  | FallSkip | Biomechanical Institute of Valencia, Valencia, Spain | Pedrero-Sánchez, J. F., Belda-Lois, J. M., Serra-Ano, P., Ingles, M., & Lopez-Pascual, J. (2022). Classification of healthy, Alzheimer and Parkinson populations with a multi-branch neural network. Biomedical Signal Processing and Control, 75, 103617. https://doi.org/10.1016/j.bspc.2022.103617 |  |
|  | FallSkip | Biomechanical Institute of Valencia, Valencia, Spain | Serra-Añó, P., Pedrero-Sánchez, J. F., Hurtado-Abellán, J., Inglés, M., Espí-López, G. V., & López-Pascual, J. (2019). Mobility assessment in people with Alzheimer disease using smartphone sensors. Journal of NeuroEngineering and Rehabilitation, 16, 1-9. https://doi.org/10.1186/s12984-019-0576-y |  |
|  | Fitbit Charge 3 | Fitbit | Muurling, M., de Boer, C., Kozak, R., Religa, D., Koychev, I., Verheij, H., ... & Visser, P. J. (2021). Remote monitoring technologies in Alzheimer’s disease: design of the RADAR-AD study. Alzheimer's research & therapy, 13(1), 1-13. https://doi.org/10.1186/s13195-021-00825-4 |  |
|  | Fitbit Charge 4 | Fitbit | Wilson, S., Ardle, R. M., Tolley, C., & Slight, S. (2022). Usability and acceptability of wearable technology in the early detection of dementia. Alzheimer's & Dementia, 18, e059820. https://doi.org/10.1002/alz.059820 |  |
|  | G2 Tracking Device | Azuga | Bayat, S., Babulal, G. M., Schindler, S. E., Fagan, A. M., Morris, J. C., Mihailidis, A., & Roe, C. M. (2021). GPS driving: a digital biomarker for preclinical Alzheimer disease. Alzheimer's Research & Therapy, 13(1), 1-9. https://doi.org/10.1186/s13195-021-00852-1 |  |
|  | GAITRite | CIR Systems | Mc Ardle, R., Del Din, S., Galna, B., Thomas, A., & Rochester, L. (2020). Differentiating dementia disease subtypes with gait analysis: feasibility of wearable sensors?. Gait & posture, 76, 372-376. https://doi.org/10.1016/j.gaitpost.2019.12.028 |  |
|  | GAITRite | CIR Systems | Tung, J. Y., Rose, R. V., Gammada, E., Lam, I., Roy, E. A., Black, S. E., & Poupart, P. (2014). Measuring life space in older adults with mild-to-moderate Alzheimer's disease using mobile phone GPS. Gerontology, 60(2), 154-162. https://doi.org/10.1159/000355669 |  |
|  | Garmin vívosmart HR | Garmin | Svetnik, V., Wang, T. C., Ceesay, P., Snyder, E., Ceren, O., Bliwise, D., ... & Herring, W. J. (2021). Pilot evaluation of a consumer wearable device to assess sleep in a clinical polysomnography trial of suvorexant for treating insomnia in patients with Alzheimer's disease. Journal of Sleep Research, 30(6), e13328. https://doi.org/10.1111/jsr.13328 |  |
|  | GazePoint eye tracker | Gazepoint | Parra, M. A., Granada, J., & Fernández, G. (2022). Memory‐driven eye movements prospectively predict dementia in people at risk of Alzheimer's disease. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring, 14(1), e12386. https://doi.org/10.1002/dad2.12386 |  |
|  | GENEActiv | Activinsights | Godkin, F. E., Turner, E., Demnati, Y., Vert, A., Roberts, A., Swartz, R. H., ... & Van Ooteghem, K. (2021). Feasibility of a continuous, multi-sensor remote health monitoring approach in persons living with neurodegenerative disease. Journal of neurology, 1-14. https://doi.org/10.1007/s00415-021-10831-z |  |
|  | GT3x+ | ActiGraph | Ghosal, R., Varma, V. R., Volfson, D., Urbanek, J., Hausdorff, J. M., Watts, A., & Zipunnikov, V. (2022). Scalar on time-by-distribution regression and its application for modelling associations between daily-living physical activity and cognitive functions in Alzheimer’s Disease. Scientific reports, 12(1), 11558. https://doi.org/10.1038/s41598-022-15528-5 |  |
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