Appendix G. Quality Assessment of Randomized Trials and Observational Studies

**Table G-1. Quality Assessment of Randomized Trials**

| **Author Year** | **Randomization Adequate?** | **Allocation Concealment Adequate?** | **Groups Similar at Baseline (Intervention and Control)?** | **Eligibility Criteria Specified?** | **Outcome Assessors Masked?** | **Reporting of Attrition, Crossovers, Adherence, and Contamination?** | **Dropout Rate <20 Percent** | **Intention-to-treat Analysis?** | **Appropriate Statistical Analyses** | **Quality Rating**  | **Funding** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Allen 20024 | Yes | Yes | Yes | Yes | No | No, No, No, No  | No | No | Yes | Poor | Private Foundation |
| Applebaum 20025 | No | No | Yes | Yes | Not reported | Yes, No, No, No | Yes  | No | Yes | Fair  | Robert Wood Johnson Foundation |
| Babamoto 20096 | Yes | No | Yes | Yes | Yes | Yes, No, No, No | No | No | Yes | Fair | Pfizer Foundation and Pfizer Health Solutions |
| Bernabei19987 | Yes | Yes | Yes  | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | National Research Council of Italy |
| Boult 20118Wolff 20109Boult 200810Boyd 201011 | Yes | Yes | Yes | Yes | Yes | Yes, No, Yes, No | Yes | Yes | Yes | Good | Agency for Healthcare Researchand Quality, National Instituteon Aging, The John A.Hartford Foundation, Jacob and Valeria Langeloth Foundation, Kaiser-PermanenteMid-Atlantic, Johns Hopkins HealthCare, Roger C. Lipitz Centerfor Integrated Health Care |
| Bourbeau 200312Bourbeau 200613 | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | Boehringer Ingelheim Canada; Fonds de la Recherche en Sante du Quebec |
| Brown 201114 | No | No | No | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Poor | National Institute of Diabetes and Digestive and Kidney Diseases |
| California Medi-Cal Type 2 Diabetes Study Group 200415Pettitt 200516 | Yes | Yes | Yes | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Fair | State of California Medi-Cal Managed Care Division; Centers for Disease Control and Prevention |
| Callahan 200617 | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | Agency for Healthcare Research and Quality |
| Chien 200818 | No | No | Yes | Yes | Yes | No, No, No, No | Yes | Yes | Yes | Fair | Nethersole School of Nursing, Hong Kong |
| Chow 201019 | Yes | Yes | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Fair | Council of Hong Kong |
| Chu 200020 | No | No | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Poor | Home care agency |
| Claiborne 200621 | No | No | No | Yes | No | No, Yes, No, No | Yes | No | Yes | Poor | Not reported |
| Clark 200422 | No | No | Unclear | Yes | No | Yes, No, No, No | No | No | Yes | Poor | Private foundations |
| DeBusk 200423  | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | NIH |
| Eggert 199124Zimmer 199025 | No | No | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Poor | Robert Wood Johnson Foundation |
| Eloniemi-Sulkava 200126 | Yes | Yes | Yes | Yes | Yes | No, No, No, No | Yes | Yes | Yes | Good | Social Insurance Institution, Finland, and the Alzheimer Foundation of Finland |
| Eloniemi-Sulkava 200927 | Yes | Yes | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Good | Research grants received fromFinnish Slot Machine Association. |
| Engelhardt 200628 | Yes | No | Yes | Yes | Unclear | Yes, Yes, No, No | No | Yes | Yes | Fair | Foundations (RWJF, Fox/Samuels, Cummings) |
| Fan 201229 | Yes | No | Yes | Yes | Yes | Yes, Yes, Yes, Yes | Yes | Yes | Yes | Good | Veterans Affairs  |
| Fitzgerald 199430 | No | No | Yes | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Fair | Veterans Affairs |
| Gagnon199931Schein200532 | Yes | No | Yes | Yes | Yes | No, No, No, No | Not reported | Yes | Yes | Fair  | Not reported |
| Gary 200333 | Yes | Yes | No | Yes | Yes | Yes, No, Yes, No | Yes | No | Yes | Fair  | National Institutes of Health |
| Gary 2004, 2005, 200934-36 | Yes | Yes | Yes | Yes | Yes | Yes, No, Yes, No | Yes | No | Yes | Fair | National Institutes of Health, Hopkins General Clinical Research Center |
| Goodwin 200337Jennings-Sanders 2003, 200538, 39 | No | No | Yes | Yes | Yes | Yes, No, No, No  | Yes | Yes | Yes | Fair | U.S. Public Health Service |
| Hsieh 200840 | No | No | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Fair | Not reported |
| Husbands 200741 | Yes | Yes | Yes | Yes | No | No, No, No, No | No | No | Yes | Poor | Wellesley Central Health Corp and the CLEAR Unit (Canada) |
| Ishani 201142 | Yes | Yes | Yes | Yes | No | Yes, No, Yes, No | Yes | Yes | Yes | Good | US Department of Veterans Affairs |
| Jaarsma 200843  | Yes | No | Yes | Yes | Yes | Yes, Yes, Yes, No | Yes | Yes | Yes | Good | Netherlands Heart Foundation |
| Jansen 201144Jansen 200545 | Yes | Yes | Yes | Yes | Yes | Yes, No, Yes, Yes | Yes | Yes | Yes | Good | Netherlands Organization for Health Research and Development |
| Kasper 200246 | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | CardioContinuum (congestive heart failure disease management company) |
| Krein 200447 | Yes | No | Yes | Yes | Yes | Yes, No, Yes, No | Yes | No | Yes | Fair | Veterans Affairs |
| Kristensson201048 | Yes | No | Yes | Yes | No | Yes, Yes, Yes, No | No | Yes | Yes | Good | The Swedish Research Council |
| Lam 201049 | No | No | Yes | Yes | No | Yes, No, Yes, No | Yes | Yes | Yes | Fair | Hong Kong Health and Health Services Research Fund |
| Laramee 200350  | No | No | No  | Yes | No | Yes, No, No, No | Yes | Unclear | Yes | Fair | Novartis |
| Latour 200651Latour 200752 | Yes | Yes | Yes | Yes | No | Yes, No, No, No | No | Yes | Yes  | Fair  | Dutch Health Insurance Council |
| Leung 2004a53 | No | No | Yes | Yes | No | No, No, No, No | Unclear | Yes | Yes | Fair | Not reported |
| Leung2004b54 | No | No | No | No | No | No, No, No, No | Unclear | Unclear | No | Poor | Not reported |
| Ma 200955 Berra 200756Ma 200657 | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | National Institutes of Health |
| Marshall 199958Long 200059 Long 200260 | Yes | Yes | Yes | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Good | Garfield Memorial Fund |
| Martin 200461 | Yes | No | Yes | Yes | Yes | Yes, No, Yes, No | Yes | Yes | Yes | Good | Coventry Health Care, Inc; Merck & Co, Inc. |
| Mayo 200862 | Yes | Yes | Yes | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Good | Canadian Institute of Health Research |
| McCorkle 198963 | No | No | No | Yes | Unclear | Yes, No, No, No | No | Unclear | Yes | Poor | Grant: NU-01001, HRSA |
| McCoy 199264 | No | No | No | Yes | No | No, No, No, No | No | No | Yes | Poor | HRSA |
| Mittelman 200665Mittelman 2004a66Mittelman 2004b67Roth 200568 | Yes | Yes | Yes | Yes | No | Yes, Yes, Yes, Yes | Yes | Yes | Yes | Good | Not reported |
| Mittelman 200869Brodaty 200970 | Yes | Yes | Yes | Yes | Yes | Yes, No, Yes, No | Yes | Yes | Yes | Good | Pfizer; New York University Alzheimer's Disease Center |
| Moore 200271 | No | Yes | Yes | Yes | Unclear | Yes, No, No, No  | No | Yes | Yes | Fair | National Health Service, National Cancer Program |
| Mor 199572 | No | No | Yes | Yes | Unclear | Yes, No, Yes, No  | Yes (at 3 months)No (at 6 months) | Yes | Yes | Fair | Not reported |
| Newcomer 1999a, 1999b, 1999c73-75Miller 199976Shelton 200177MADDE  | No | No | Yes | Yes | No | No, No, No, No | Unclear | No | Yes | Poor | Health Care Financing Administration |
| Newcomer 200478 | No |  Yes | Yes | Yes | No | No, No, No, No | Not reported | Yes | Yes | Fair | California Healthcare Foundation; Sharp Healthcare; PacifiCare; Pfizer |
| Nickel 199679 | No | No | Yes | Yes | No | No, No, No, Yes | No | No | Yes | Poor | National Institute for Nursing Research |
| Nyamathi 2006, 200780, 81 | No | No | No | Yes | No | Yes, No, Yes, No | Yes | Yes | Yes | Fair | National Institute on Drug Abuse |
| Peikes 200982Oliva 201083 | Yes | Yes | Yes | Yes | Unclear | Yes , No, No, No | Yes | Yes | Yes | Good | Centersfor Medicare & Medicaid Services (CMS) |
| Peters-Klimm 201084  | Yes | Yes | Yes | Yes | No | Yes, No, Yes, No  | Yes | Yes | Yes | Good | German Ministry of Education and Research |
| Pugh 200185 | No | No | Yes | Yes | No | No, No, No, No | Yes | Yes | Yes | Poor | Not reported |
| Rice 201086Dewan 201187 | Yes  | No | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Good | Veterans Affairs research grants |
| Rich 199388  | Yes | Yes  | No  | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Poor | American Heart Association |
| Rich 199589  | No | No | No  | Yes | No | Yes, No, No, No | Yes | Yes | Yes | Fair | National Institutes of Health |
| Riegel 200290  | No  | No | Yes | Yes | Unclear | Yes, No, No, No | Yes  | Unclear | Yes | Fair | Pfizer |
| Riegel 200691  | No  | No | No  | Yes | No |  Yes, No, No, No | Yes | No  | Yes | Fair |  American Hospital Association |
| Ritz 200092 | No | No | No | Yes | Unclear | Yes, No, No, No | Yes (at 1 year)No (at 2 years) | Unclear | Yes | Poor | Not reported |
| Rubenstein200793 | Yes | No | Yes | Yes | Yes | Yes, No, No (re CM intervention adherence)/ Yes(for those who complied with recommended referrals), No | Yes | Yes | Yes | Good | Veterans Affairs: Health Services Research & Development; Los Angeles Geriatric Educational and Clinical Center |
| Sadowski 200994 | Yes | Yes | Yes | Yes | Yes | Yes, Yes, Yes, No | Yes | Yes | Yes | Good | Private foundations |
| Schore 1999, 1997, 201195-97 | Yes | Yes | Yes | Yes | No | Yes, No, Yes, No | Yes | Yes | Yes | Good | Health Care Financing Administration |
| Shea 2002, 2007, 200998-100Palmas 2010101Trief 2006, 2007102, 103Izquierdo 2007104 | Yes | No | Yes | Yes | Yes | Yes, No, No, No | Yes | Yes | Yes | Fair | Supported by Cooperative Agreement 95-C-90998 from the Centers for Medicare and Medicaid Services |
| Sisk 2006105  | Yes | Yes | Yes | Yes | Yes | Yes, No, No, No | Yes  | Yes | Yes | Good | Agency for Healthcare Research and Quality |
| Sorensen 2003106 | No | No | Yes | Yes | Yes | Yes, No, No, No | Yes | No | Yes | Fair | National Institute on Drug Abuse |
| Vickrey 2006107Duru 2009108 | Yes | Yes | Yes | Yes | Yes | Yes, Yes, Yes, No | No | Yes | Yes | Good | California HealthCareFoundation, State of California, Department of Aging, State of California, Department of Health Services,Alzheimer’s Disease Education Initiative, ArchstoneFoundation, State of California, Department ofHealth Services  |
| Wohl 2006109Sansom 2008110 | Yes | Yes | Yes | Yes | Yes | Yes, Yes, Yes, Yes | No | Yes | Yes | Fair | Centers for Disease Control and Prevention; and University wide AIDSResearch Program grant |
| Wolf 2004, 2007111, 112 | Yes | Unclear | Yes | Yes | Not reported | Yes, No, Yes, No | No | Yes | Yes | Good | American DieteticAssociation; National Institute of Diabetes and Digestive and Kidney Diseases; University of Virginia General Clinical Research Center |