References

- Aging America: Trends and Projections, prepared by the U.S. Senate Special Committee on Aging, the American Association of Retired Persons, the Federal Council on the Aging, and the U.S. Administration on Aging, DHHS Pub. No. (FCoA) 91-28001 (Washington, DC: 1991).
- 2. American Hospital Association, *AHA Hospi/al Statistics* 1990-91 (Chicago, IL: 1990).
- 3. American Hospital Association, Statistics Branch, personal communication, Mar. 1, 1993.
- Ashby, J. L., Prospective Payment Assessment Commission, Washington, DC, personal communication, Mar. 5, 1993.
- 5. Baudoin, C., Fardellone, P., Hec, F., et al., "Outcome of Patients with Hip Fracture in Picardy, France, Immediately and Two Years Later," *Osteoporosis 90, C.* Christianson and K. Overgaard (eds.) (Copenhagen, Denmark: Osteopress ApS, 1990).
- Beringer, T. R. O., McSherry, D. M. G., and Taggart, H. McA., "A Microcomputer Based Audit of Fracture of the Proximal Femur in the Elderly," *Age and Ageing* 13:344-348, 1984.
- Bonar, S. K., Tinetti, M. E., Speechley, M., et al., 'Factors Associated with Short- Versus Long-Term Skilled Nursing Facility Placement Among Community-Living Hip Fracture Patients," *Journal of the American Geriatrics Society* 38(10): 1139-1144, 1990.
- 8. Buchanan, R.J., Madel, R. P., and Persons, D., "Medicaid Payment Policies for Nursing

- Home Care: A National Survey," *Health Care Financing Review* 13(1):55-72, 1991.
- Campion, E. W., Jette, A. M., Cleary, P. D., et al., "Hip Fracture: A Prospective Study of Hospital Course, Complications, and Costs," *Journal of General Internal Medi*cine 2(2):78-82, 1987.
- Carter, G. M., and Rogowski, J. A., "How Recalibration Method, Pricing, and Coding Affect DRG Weights," *Health Care Financ*ing Review 14(2):83-96, 1992.
- Ceder, L., Thorngren, K., and Wallden, B., "Prognostic Indicators and Early Home Rehabilitation in Elderly Patients with Hip Fractures," *Clinical Orthopedics and Related Research 152: 173-184*, October 1980.
- Charlson, M. E., Associate Professor of Medicine, New York Hospital-Cornell Medical Center, unpublished data from the 1988 MEDPAR tapes analyzed under contract to the Office of Technology Assessment, U.S. Congress, Washington, DC, July 10, 1991.
- 13. Chrischilles, E. A., Shireman, T., and Wallace, R. B., "Costs and Health Effects of Osteoporotic Fractures," draft, Department of Preventive Medicine and Environmental Health, University of Iowa, Iowa City, 1993.
- 14. Clark, A. P., Shuttinga, J. E., Stark, S. P., et al., Targeted Estrogen/Progestogen Replacement Therapy for Osteoporosis: Example of Cost Savings Resulting from NIH-Funded Research, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Office of Program Planning and Evaluation, Bethesda, MD, Jan. 7, 1991.

- 15. Clark, A. P., and Shuttinga, J. E., "Targeted Estrogen/Progestogen Replacement Therapy for Osteoporosis: Calculation of Health Care Costs," *osteoporosis International* 2:195-200, 1992.
- Cooper, C., Atkinson, E.J., Jacobsen, S.J., et al., "Population-Based Study of Survival After Osteoporotic Fractures," *American Journal of Epidemiology* 137(9):1001-1005, 1993.
- 17. Crane, J.G., and Kernek, C. B., "Mortality Associated with Hip Fractures in a Single Geriatric Hospital and Residential Health Facility: A Ten-Year Review," *Journal of the American Geriatrics Society* 31(8):472-475, 1983.
- 18. Cummings, S. R., "Osteoporotic Fractures: The Magnitude of the Problem," *Osteoporosis 1987*, C. Christiansen, J.S. Johansen, and B.JRiis (eds.) (Copenhagen, Denmark: Osteopress ApS, 1987).
- 19. Cummings, S. R., Kelsey, J. L., Nevitt, M. C., et al., "Epidemiology of Osteoporosis and Osteoporotic Fractures," *Epidemiologic Reviews 7:* 178-208, 1985.
- Cummings, S. R., Phillips, S. L., Wheat, M. E., et al., "Recovery of Function After Hip Fracture: The Role of Social Supports," *Journal of the American Geriatrics Society* 36(9):801-806, 1988.
- 21. Dahl, E., "Mortality and Life Expectancy After Hip Fractures," *Acta Orthopaedica Scandinavia* 51(1):163-170, 1980.
- Davidson, T.I., and Bodey, W.N., "Factors Influencing Survival Following Fractures of the Upper End of the Femur," *Injury* 17:12-14, 1986.
- 23. Dwyer, A. P., and Nelson, C. L., "Hip Fractures in the Elderly," *The Aging Musculoskeletal System*, 1984.
- 24. El Banna, S., Raynal, I., and Gerebtzof, A., "Fractures of the Hip in the Elderly: Therapeutic and Medico-Social Considerations," *Archives of Gerontology and Geriatrics* 3:31 *1-319*, *1984*.

- Epstein, R. S., Director, Epidemiologic Research, Merck Research Laboratories, West Point, PA, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, June 4, 1993.
- 26. Finch, M., Division of Health Services Research and Policy, School of Public Health, University of Minnesota, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Sept. 3, 1991.
- Fisher, E. S., Baron, J.A., Malenka, D.J., et al., "Hip Fracture Incidence and Mortality in New England," *Epidemiology* 2(2):116-122, 1991.
- Fitzgerald, J. F., Fagan, L. F., Tierney, W. M., et al., "Changing Patterns of Hip Fracture Care Before and After Implementation of the Prospective Payment System," *Journal of the American Medical Association* 258(2):218-221, 1987.
- 29. Fitzgerald, J. F., Moore, P. S., and **Dittus**, R. S., "The Care of Elderly Patients with Hip Fracture," New *England Journal of Medicine* 319(21): 1392-1397, 1988.
- 30. Furstenberg, A., and Mezey, M. D., "Differences in Outcome Between Black and White Elderly Hip Fracture Patients," *Journal of Chronic Disease* 40(10):931-938, 1987.
- 31. Gallagher, J.C., Melton, L.J., Riggs, B.L., et al., "Epidemiology of Fractures of the Proximal Femur in Rochester, Minnesota," *Clinical Orthopedics and Related Research* 150:163-171, 1980.
- 32. Gerety, M. B., Soderholm-Difatte, V., and Winograd, C. H., "Impact of Prospective Payment and Discharge Location on the Outcome of Hip Fracture," *Journal of General Internal Medicine* 4:388-391, 1989.
- 33. Gibson, M.J., "Falls in Later Life," *Improving the Health of Older People* R.L. Kane, J.G. Evans, and D. MacFadyen (eds.) (Oxford, England: Oxford University Press, 1990).
- 34. Gold, D.T., Assistant Professor, Duke University Medical Center, Durham, NC, letter

- to the Office of Technology Assessment, Washington, DC, Apr. 28, 1993.
- 35. Grady, D., Rubin, S. M., Petit(i, D. B., et al., • 'Hormone Therapy To Prevent Disease and Prolong Life in Postmenopausal Women," Annals of Internal Medicine 11 7(1 2): 1016-1037, 1992.
- 36. Guralnik, J. M., LaCroix, A. Z., Abbott, R. D., et al., "Maintaining Mobility in Late Life," American Journal of Epidemiology 137(8):845-857, 1993.
- 37. Gustafson, Y., Brannstrom, B., Berggren, D., et al., "A Geriatric-Anethesiologic Program To Reduce Acute Confusional States in Elderly Patients Treated for Femoral Fractures," Journal of the American Geriatrics Society 39(7):655-662, 1991.
- 38. Gustafson, Y., Brannstrom, B., and Norberg, A., '* Underdiagnosis and Poor Documentation of Acute Confusional States in Elderly Hip Fracture Patients," Journal of the American Geriatrics Society 39(8):760-765, 1991.
- 39. Hing, E., Statistician, Division of Health Care Statistics, National Center for Health Statistics, Hyattsville, MD, personal communication, Jan. 22, 1993.
- 40. Holbrook, T. L., Grazier, K., Kelsey, J. L., et al., Frequency of Occurrence, Impact and Cost of Selected Musculoskeletal Conditions in the United States (Chicago, IL: American Academy of Orthopedic Surgeons, 1984).
- 41. Holmberg, S., and Thomgren, K., "Rehabilitation After Femoral Neck Fracture," Acta Orthopaedica Scandinavia 56(4):305-308, 1985.
- 42. Holmberg, S., Conradi, P., Kalen, R., et al., "Mortality After Hip Fracture," Acta Orthopaedica Scandinavia 57:8-11, 1986.
- 43. Hombrook, M. C., Wingfield, D. J., Stevens, V.J., et al., "Falls Among Older Persons: Antecedents and Consequences," Prevention of Falls in the Elderly: The Study of Accidental Falls in the Elderly, M.C. Horn brook, Center for Health Research, Kaiser

- Permanence, Northwest Region (Principal Investigator), unpublished draft, May 1991.
- 44. Institute of Medicine, Hip Fracture: Setting Priorities for Electiveness Research (Washington, DC: NAP, 1990).
- 45. Jacobsen, S. J., "Race and Sex Differences in Mortality Following Fracture of the Hip," American Journal of Public Health 82(8):1147-1150, 1992.
- 46. Jensen, J. S., "Determining Factors for the Mortality Following Hip Fractures," Injury 15:41 1-414, 1984.
- 47. Jensen, J. S., and Bagger, J., "Long-Term Social Prognosis After Hip Fractures," Acta Orthopaedica Scandinavia 53:97-101, 1982.
- 48. Jensen, J. S., and Tondevold, E., "Mortality After Hip Fractures," Acta Orthopaedica Scandinavia 50: 161-167, 1979.
- 49. Jensen, J. S., Tondevold, E., and Sorensen, P. H., "Social Rehabilitation Following Hip Fractures," Acta Orthopaedica Scandinavi*a* 50:777-785, 1979.
- 50. Jet(e, A. M., Harris, B. A., Cleary, P. D., et al., "Functional Recovery After Hip Fracture," Archives of Physical Medicine and Rehabilitation 68(10):735-740, 1987.
- 51. Kahn, K. L., Keeler, E. B., and Sherwood, M.J., "Comparing Outcomes of Care Before and After Implementation of the DRG-Based Prospective Payment System," Journal of the American Medical Association 264(15): 1984-1988, 1990.
- 52. Kane, R. A., Principal Investigator, Heinz Endowment Study of Informal Caregiving, information presented to the conference on "Family Caregiving in Long-Term Care: Next Steps for Policy," Morgantown, WV, Dec. 4, 1990.
- 53. Kane, R. L., Minnesota Chair in Long-Term Care and Aging, Institute for Health Services Research, School of Public Health, University of Minnesota, Minneapolis, MN, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Aug. 31, 1993.

- 54. Kaplan, G.A., Strawbridge, W.J., Camacho, T., et al., "Factors Associated with Change in Physical Functioning in the Elderly," *Journal of Aging and Health* 5(1):140-153, 1993.
- 55. Kashner, T. M., and **Magaziner,** J. S., "Long Term Care of Aged Hip Fractures: Public vs. Private Costs," unpublished report to the Health Care Financing Administration, University of Maryland School of Medicine, Baltimore, MD, April 1990.
- 56. Keeler, E. B., Kahn, K.L., and Bentow, S. S., "A RAND Note: Assessing Quality of Care for Hospitalized Medicare Patients with Hip Fracture Using Coded Diagnoses from the Medicare Provider Analysis and Review Files," RAND/UCLA/Harvard Center for Health Care Financing Policy Research, Santa Monica, CA, 1992.
- 57. **Keene**, J. S., and Anderson, C. A., "Hip Fractures in the Elderly: Discharge Predictions with a Functional Rating Scale," *Journal of the American Medical Association* **248**(5):564-567, 1982.
- 58. **Keene,** R. E., **Office** of Research and Demonstrations, Health Care Financing Administration, Baltimore, MD, personal communication, Feb. 10, 1993.
- 59. **Kellie,** S.E., and Brody, J.A., "Sex-Specific and Race-Specific Hip Fracture Rates," *American Journal of Public Health* **80(3)**: 326-328, 1990.
- 60. **Kemper,** P., and **Murtaugh,** C. M., "Lifetime Use of Nursing Home Care," New *England Journal of Medicine* 324(9):595-600, 1991.
- 61. **Kemper,** P., **Spillman,** B.C., and **Murtaugh,** C. M., "A Lifetime Perspective on Proposals for Financing Nursing Home Care," *Inquiry* **28:333-344,** winter 1991.
- Kenzora, J. E., McCarthy, R.E., and Lowell, J. D., "Hip Fracture Mortality," *Clinical Orthopaedics and Related Research* 186:45-56, 1984.
- 63. Kominski, G. F., and Biddle, A. K., "Changes in Follow-Up Care for Medicare Surgical Patients Under the Prospective Payment System," RAND/UCLA/Harvard

- Center for Health Care Financing Policy Research, Santa Monica, CA, 1992.
- 64. **Kosecoff,** J., Kahn, **K.L.,** Rogers, W.H., et al., "Prospective Payment System and Impairment at Discharge: The 'Quicker and Sicker' Story Revisited," *Journal of the American Medical Association* 264(15): 1980-1983, 1990.
- 65. **Kreutzfeldt,** J., Haim, M., and Bach, E., "Hip Fracture Among the Elderly in a Mixed Urban and Rural Population," *Age and Ageing 13:11* 1-119, 1984.
- 66. Latta, V. B., and Helbing, C., "Medicare Short-Stay Hospital Services by Diagnosis-Related Groups," *Health Care Financing Review* 12(4):105-140, 1991.
- 67. Latta, V. B., and Keene, R. E., "Leading Inpatient Surgical Procedures for Aged Medicare Beneficiaries, 1987," *Health Care Financing Review* 11(2):99-110, 1989.
- 68. Lawton, J.O., Baker, M. R., and Dickson, R. A., "Femoral Neck Fractures—Two Populations," *Lancet* 2(8341):70-72, July 9, 1983.
- Lee, D. R., Chairperson, American Osteoporosis Alliance, New York, NY, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, May 17, 1993.
- Lewis, A. F., "Fracture of Neck of the Femur: Changing Incidence," *British Medical Jour-nal* 283: 1217-1220, 1981.
- 71. Liu, G., Dartmouth Medical School, Hanover, NH, personal communication, Dec. 2, 1992.
- 72. Liu, K., and Manton, K. G., "The Characteristics and Utilization Pattern of an Admission Cohort of Nursing Home Patients," *Gerontologist* 23(1):92-98,1983.
- 73* Liu, K., Manton, K.G., and Liu, B. M., "Home Care Expenses for the Disabled Elderly," *Health Care Financing Review* 7(2):51-58, 1985.
- 74. Lund, B., Hogh, J., and Lucht, U., "Trochanteric and Subtrochanteric Fractures," *Acta Orthopaedica Scandinavia* 52:645-648, 1981.

- Lydick, E., Merck Research Laboratories, West Point, PA, personal communication, Mar. 18, 1990.
- Lyons, J. L., and Nevins, M. A., "Nontreatment of Hip Fractures in Senile Patients,"
 Journal of the American Medical Association 238: 1175, 1970.
- 77. Macken, C. L., "A Profile of Functionally Impaired Elderly Persons Living in the Community," *Health Care Financing Review* 7(4):33-49, 1986.
- Magaziner, J., Department of Epidemiology and Preventive Medicine, University of Maryland School of Medicine, Baltimore, MD, personal communications, Mar. 7, 1991 and July 22, 1993.
- Magaziner, J., Simonsick, E. M., Kashner,
 T. M., et al., "Survival Experiences of Aged Hip Fracture Patients," *American Journal of Public Health* 79(3):274-278, 1989.
- Magaziner, J., Simonsick, E. M., Kashner, T. M., et al., '*Predictors of Functional Recovery One Year Following Hospital Discharge for Hip Fracture: A Prospective Study," *Journal of Gerontology* 45(3): *MI 01-107*, 1990.
- 81 Manton, K. G., Liu, K., and Cornelius, E. S., "An Analysis of the Heterogeneity of U.S. Nursing Home Patients," *Journal of Gerontology* 40(1):34-46, 1985.
- 82. Marottoli, R. A., Berkman, L. F., and Cooney, L. M., 'Decline in Physical Function Following Hip Fracture," *Journal of the American Geriatrics Society* 40(9):86 1-866, 1992.
- 83. Matheny, L., Scott, T. F., Craythome, C. M., et al., "Hospital Mortality in 342 Hip Fractures," *West Virginia Medical Journal* 76(8): 188-190, 1980.
- 84. MEDSTAT Systems, Inc., *DRG Guide: Descriptions and Normative Values* (Ann Arbor, MI: 1992).
- 85. Melton, L. J., Head, Section of Clinical Epidemiology, Department of Health Sciences Research, Mayo Clinic, Rochester, MN, letter to the Office of Technology Assessment,

- U.S. Congress, Washington, DC, May 3, 1993.
- 86. Miller, C. W., "Survival and Ambulation Following Hip Fracture," *Journal of Bone and Joint Surgery 60-A(7)*:930-934, 1978.
- 87. Mossey, J. M., Mutran, E., Knott, K., et al., "Determinants of Recovery 12 Months After Hip Fracture: The Importance of Psychosocial Factors," *American Journal of Public Health* 79(3):279-286, 1989.
- Myers, A. H., Robinson, E. G., Van Natta, M. L., et al., "Hip Fractures Among the Elderly: Factors Associated with In-Hospital Mortal ity," *American Journal of Epidemiol*ogy 134(10): 1128-1137, 1991.
- 89. Neu, C. R., and Harrison, S. C., "Posthospital Care Before and After the Medicare Prospective Payment System," RAND Corp., Santa Monica, CA, March 1988.
- Neu, C. R., Harrison, S. C., and Heilbrunn, J. Z., Medicare Patients and Postacute Care: Who Goes Where? (Santa Monica, CA: RAND Corp., November 1989).
- 91. Nevitt, M. C., Cummings, S. R., Kidd, S., et al., "Risk Factors for Recurrent Nonsyncopal Falls," *Journal of the American Medical Association* 261(18):2663-2668, *1989*.
- 92. Nugent, J., Reimbursement Branch, American Physical Therapy Association, Alexandria, VA, personal communication, Feb. 19, 1993.
- 93. Nydegger, V., Rozzoli, R., Rapin, C. H., et al., "Epidemiology of Fractures of the Proximal Femur in Geneva: Incidence, Clinical and Social Aspects," *Osteoporosis International* 2(1):42-47, 1991.
- 94. Owen, R. A., Melton, L.J., Gallagher, J. C., et al., "The National Cost of Acute Care of Hip Fractures Associated with Osteoporosis," *Clinical Orthopedics and Related Research* 150: 172-176, 1980.
- 95. Palmer, R. M., Saywell, R. M., Zollinger, T. W., et al., "The Impact of the Prospective Payment System on the Treatment of Hip Fractures in the Elderly," *Archives of Internal Medicine* 149:2237-2241, 1989.

- **96.** Petitti, D. B., University of California, San Francisco, unpublished data from the study "Hip Fracture in Women," July 23, 1991.
- 97. Petitti, D. B., University of California, San Francisco, CA, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Apr. 16, 1993.
- 98. **Petitti,** D. B., and Sidney, S., "Hip Fracture in Women: Incidence, In-Hospital Mortality, and Five-Year Survival Probabilities in Members of a Prepaid Health Plan," *Clinical Orthopedics and Related Research* 246: 150-155, 1989.
- 99. Pracon, Inc., "The Annual Direct Medical Costs of Osteoporosis for American Women 45 and Older: Final Report," prepared for Rorer Pharmaceuticals, Fort Washington, PA, by Pracon, Inc., Reston, VA, Sept. 19, 1986.
- 100. Praemer, A., Furner, S., and Rice, D. P., Musculoskeletal Conditions in the United States (Park Ridge, IL: American Academy of Orthopedic Surgeons, February 1992).
- 101. Prospective Payment Assessment Commission, Medicare and the American Health Care System: Report to the Congress, Washington, DC, June 1993.
- 102. Prospective Payment Assessment Commission, *Medicare* and the American Health Care System: Report to the Congress (Washington, DC: June 1992).
- 103. Ray, W. A., Griffin, M. R., and Baugh, D. K., "Mortality Following Hip Fracture Before and After Implementation of the Prospective Payment System," *Archives of Internal Medicine* 150:2109-2114, October 1990.
- 104. Rhoades, J., Center for General Health Services Intermural Research, Agency for Health Care Policy and Research, Public Health Service, U.S. Department of Health and Human Services, Rockville, MD, letter to the Office of Technology Assessment, June 8, 1993.
- 105. Royal College of Physicians, '*Fractured Neck of Femur: Prevention and Management: Summary and Recommendations of a Report of the Royal College of Physicians,"

- Journal of the Royal College of Physicians of London 23(1):8-12,1989.
- 106. Ruther, M., and Helbing, C., "Use and Cost of Home Health Agency Services Under Medicare," Health Care Financing Review 10(1):105-108, 1988.
- 107₀ Schappert, S. M., Survey Statistician, National Center for Health Statistics, Hyatts-ville, MD, personal communication, May 14, 1993.
- Schappert, S. M., Survey Statistician, National Center for Health Statistics, Hyatts-ville, MD, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Feb. 8, 1993.
- 109. Sharkness, C. M., Hamburger, S., Moore, R. M., et al., "Prevalence of Artificial Hip Implants and Use of Health Services by Recipients," *Public Health Reports* 108(1): 70-75, 1993.
- 110. Silverman, H. A., "Use of Medicare-Covered Home Health Agency Services, 1988," *Health Care Financing Review* 12(2): 113-126, 1990.
- 111. Simonen, O., and Mikkola, T., "Excess Mortality After Femoral Neck Fracture," Osteoporosis 90 C. Christiansen and K. Overgaard (eds.) (Copenhagen, Denmark: Osteopress ApS, 1990).
- 112. Skovron, M. L., Fessel, K., Cohen, H., et al., "Surgical Delay and Long-Term Outcome in Previously Ambulatory Hip Fracture Patients," *Journal of the American Geriatrics Society* (abstract) 39(8):A6, 1991.
- 113. **Speechley,** M., and Tinetti, M., "Falls and Injuries in Frail and Vigorous Community Elderly Persons," *Journal of the American Geriatrics Society* **39**(1):46-52, 1991.
- 114. Spence, D. A., and Wiener, J. M., "Nursing Home Length of Stay Patterns: Results from the 1985 National Nursing Home Survey," *Gerontologist* 30(1): 16-20, 1990.
- 115. Thomas, T.G., and Stevens, R. S., "Social Effects of Fractures of the Neck of the Femur," *British Medical Journal* 3:456-458, 1974.

- 116. Tinetti, M. E., Speechley, M., and Ginter, S. F., "Risk Factors for Falls Among Elderly Persons Living in the Community," New England Journal of Medicine 319(26): 1701-1707, 1988.
- 117. Tosteson, A. N. A., Rosenthal, D. I., Melton, L. J., et al., "Cost Effectiveness of Screening Perimenopausal White Women for Osteoporosis: Bone Densitometry and Hormone Replacement Therapy," Annals of Internal Medicine 113:594-603, 1990.
- 118. Trude, S., A RAND Note: The Determinants of the Use of Assistants at Surgery (Santa Monica, CA: RAND/UCLA/Harvard Center for Health Care Financing Policy Research, February 1990).
- 119. Trude, S., A RAND Note: Physician's Hospital Visits: A Description of Rates of Visits Under Medicare (Santa Monica, CA: RAND/UCLA/Harvard Center for Health Care Financing Policy Research, 1992).
- 120. Tuttleman, M., Coordinator, National Osteoporosis Data Group, Office of Prevention, Epidemiology, and Clinical Applications, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, MD, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Mar. 22, 1993.
- 121. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstrations, Health Care Financing Special Report: Hospital Data by Geographic Area for Aged Medicare Beneficiaries: Selected Procedures, 1986, Vol. 2 (Baltimore, MD: June 1990).
- 122. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstrations, Health Care Financing Special Report: Rehospitalization by Geographic Area for Aged Medicare Beneficiaries: Selected Procedures, 1986-87, Vol. 3 (Baltimore, MD: June 1990).

- 123. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstrations, unpublished Medicare data provided for the Office of Technology Assessment by J. Petrie, Research Analyst, Jan. 26, 1993-Mar. 29, 1993.
- 124. U.S. Department of Health and Human Services, Health Care Financing Administration, Office of Research and Demonstrations, unpublished Medicare data provided for the Office of Technology Assessment by W. Kirby, Research Analyst, 1991.
- 125. U.S. Department of Health and Human Services, Public Health Service, Agency for Health Care Policy and Research, *National Medical Expenditure Survey: Functional Status of the Noninstitutionalized Elderly: Estimates of ADL and IADL Difficulties*, DHHS Pub. No. (PHS) 90-3462 (Rockville, MD: June 1990).
- 126. U.S. Department of Health and Human Services, Public Health Service, Agency for Health Care Policy and Research, unpublished data from the 1987 National Medical Expenditure Survey provided for the Office of Technology Assessment by J. Rhoades, Service Fellow, June 25, 1993.
- 127. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, unpublished data from the 1988 and 1991 National Hospital Discharge Surveys provided for the Office of Technology Assessment by E.J. Graves, 1992.
- 128. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, Aging in the Eighties, Age 65 Years and Over—Use of Community Services, Advancedata, No. 124, DHHS Pub. No. (PHS) 86-1250 (Hyattsville, MD: Sept. 30, 1986).
- 129. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *Aging in the Eighties, Functional Limitations of Individ*

- uals Age 65 Years and Over, Advancedata, No. 133, DHHS Pub. No. (PHS) 87-1250 (Hyattsville, MD: June 10, 1987).
- 130. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *Discharges from Nursing Homes: 1985 National Nursing Home Survey*, DHHS Pub. No. (PHS) 90-1764 (Hyattsville, MD: March 1990).
- 131. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *Health United States* 1991, DHHS Pub. No. (PHS) 92-1232 (Hyattsville, MD: May 1992).
- 132. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *National Ambulatory Medical Care Survey: 1990 Summary, Advance Data, No. 213*, DHHS Pub. No. (PHS) 92-1250 (Hyattsville, MD: Apr. 30, 1992).
- 133. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *The National Nursing Home Survey: 1985 Summary for the United States*, DHHS Pub. No. (PHS) 89-1758 (Hyattsville, MD: January 1989).
- 134. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, *Nursing Home Utilization by Current Residents: United States*, 1985, DHHS Pub. No. (PHS) 89-1763 (Hyattsville, MD: October 1989).
- 135. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, 1986 Summary: National Hospital Discharge Survey, Advancedata, No. 145, DHHS Pub. No. (PHS) 87-1250 (Hyattsville, MD: Sept. 30, 1987).

- 136. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, 1988 Summary: National Hospital Discharge Survey, Advance Data, No. 185, DHHS Pub. No. (PHS) 90-1250 (Hyattsville, MD: June 19, 1990).
- 137. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, 1990 Summary: National Hospital Discharge Survey, Advance Data, No. 210, DHHS Pub. No. (PHS) 92-1250 (Hyattsville, MD: Feb. 18, 1992).
- 138. U.S. Department of Health and Human Services, Public Health Service, National Center for Health Statistics, 1991 Summary: National Hospital Discharge Survey, Advance Data, No. 227, DHHS Pub. No. (PHS) 93-1250 (Hyattsville, MD: Mar. 3, 1993).
- 139. University of Minnesota School of Public Health, *A Study of Post Acute Care: Final Report* (Minneapolis, MN: 1993).
- 140. Weiss, N. S., Liff, J. M., Ure, C. L., et al., "Mortality in Women Following Hip Fracture," *Journal of Chronic Disease* 36(12): 879-882, 1983.
- 141. Winter, N.G., 'Nonoperative Treatment of Proximal Femoral Fractures in the Demented, Nonambulatory Patient," *Clinical Orthopedics 21* 8:97-103, 1987.
- 142. Young, T. B., and Gibbs, A. C. C., "Prognostic Factors for the Elderly with Proximal Femoral Fracture," *Archives of Emergency Medicine* 1(4):215-224, 1984.
- 143. Yucel, L., Analyst, Policy Development and Research, Health Care Financing Administration, Baltimore, MD, personal communication, May 27, 1993.