

EPIDEMIOLOGY

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Bibliography

- Adamson, J., Cockayne, S., Puffer, S., Torgerson, D.J. (2006) Review of randomised trials using the post-randomised consent (Zelen's) design. *Contemp Clin Trials* 27(4):305–19.
- Adnams, C.M., Sorour, P., Kalberg, W.O., Kodituwakku, P., Perold, M.D., Kotze, A., September, S., Castle, B., Gossage, J., May, P.A. (2007) Language and literacy outcomes from a pilot intervention study for children with fetal alcohol spectrum disorders in South Africa. *Alcohol* 41:403–14.
- Ahmad, O.B., Boschi-Pinto, C., Lopez, A.D., Murray, C.J.L., Lozano, R., Inoue, M. (2001) Age standardization of rates: A new WHO standard: <http://www.who.int/healthinfo/paper31.pdf>.
- Allmark, P. (1999) Should Zelen pre-randomised consent designs be used in some neonatal trials? *J Med Ethics* 25(4):325–9.
- Altman, D.G. (1991) Practical statistics for medical research. Chapman & Hall, Great Britain.
- Altman, D.G. (1998) Confidence intervals for the number needed to treat. *Br Med J* 317:1309–12.
- Altman, D.G. and Bland, J.M. (1983) Measurement in medicine: The analysis of method comparison studies. *Statistician* 32:307–17.
- American Cancer Society (ACS) (2010) Cancer prevention studies overviews: <http://www.cancer.org/Research/ResearchProgramsFunding/Epidemiology-CancerPreventionStudies/CancerPreventionStudyOverviews/index>.
- Aragón, T. (2004) Oswego—an outbreak of gastrointestinal illness following a church supper. Center for Infectious Disease Preparedness; UC Berkeley School of Public Health, http://www.idready.org/slides/fieldepi5_oswego.pdf.
- Armstrong, B.K., Gillespie, J.A., Leeder, S.R., Rubin, G.L., Russell, L.M. (2007) Challenges in health and health care for Australia. *Med J Aust* 187(9):485–9.
- Aspirin in reducing events in the elderly (ASPREE) (2011) Studying the effects of aspirin on healthy lifespan: <http://www.aspree.org/>.
- Australian Bureau of Statistics (ABS) (2002) National Health Survey: Summary of results, 2001. ABS cat. no. 4364.0. ABS, Canberra.
- Australian Bureau of Statistics (ABS) (2006) Physical activity in Australia: A snapshot, 2004–05: <http://www.abs.gov.au/ausstats/abs@.nsf/mf/4835.0.55.001>.
- Australian Bureau of Statistics (ABS) (2007) Australian social trends. Australia's babies: <http://www.abs.gov.au/AUSSTATS/abs@.nsf/0/04FEBEF9C81FE6BACA25732C002077A2?opendocument#4%20Australian%20Institute%20of%20H>.

- Australian Bureau of Statistics (ABS) (2010) Causes of death, Australia, 2008. Report no. 3303.0. <http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/3303.02008?OpenDocument>.
- Australian Bureau of Statistics (ABS) (2010a) Key products: <http://www.abs.gov.au/>.
- Australian Bureau of Statistics (ABS) (2010b) The health and welfare of Australia's Aboriginal and Torres Strait Islander Peoples, Oct 2010; Demographic, social and economic characteristics: life expectancy: <http://www.abs.gov.au/AUSSTATS/abs@.nsf/lookup/4704.0Chapter218Oct+2010>.
- Australian Bureau of Statistics (ABS) (2010c) Australia's environment: Issues and trends January 2010. Population: <http://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/52DDB96A9F8B5A60CA2576C000193390?opendocument>.
- Australian Bureau of Statistics (ABS) (2010d) Year book Australia, 2009–2010. Primary and secondary education: <http://www.webcitation.org/5qvDapIMe>.
- Australian Government (2010) Birth, deaths and marriages registries: <http://australia.gov.au/topics/law-and-justice/births-deaths-and-marriages-registries>.
- Australian Government Department of Health and Ageing (2006) Smoking harms unborn babies: <http://www.health.gov.au/internet/quitnow/publishing.nsf/Content/warnings-b-babies>.
- Australian Government Department of Health and Ageing (2010) Australian national notifiable diseases list and case definitions: <http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-surveil-nndss-casedefs-distype.htm>.
- Australian Government Office of the Australian Information Commissioner (2010) Health and medical research: <http://www.privacy.gov.au/law/act/research>.
- Australian Institute of Health and Welfare (AIHW) (2004a) Australia's health 2004. Australia's health 2009. Cat. no. AUS 44. AIHW, Canberra.
- Australian Institute of Health and Welfare (AIHW) (2004b) Cancer in Australia 2001. Cat. no. CAN 23. AIHW, Canberra.
- Australian Institute of Health and Welfare (AIHW) (2005) Cancer incidence projections Australia 2002 to 2011. Cat no. CAN 25. AIHW, Canberra: <http://www.aihw.gov.au/publications/index.cfm/title/10164>.
- Australian Institute of Health and Welfare (AIHW) (2006) How we manage stroke in Australia. Cat. no. CVD 31. Cardiovascular Disease Series 34. AIHW, Canberra.
- Australian Institute of Health and Welfare (AIHW) (2007) Cancer in Australia: An overview, 2006. Cat. no. CAN 32. AIHW, Canberra.
- Australian Institute of Health and Welfare (AIHW) (2010a) Cancer incidence data cubes: <http://www.aihw.gov.au/cancer-incidence-data-cubes/>.
- Australian Institute of Health and Welfare (AIHW) (2010b) Australasian Association of Cancer Registries: <http://www.aihw.gov.au/cancer/aacr/>.
- Australian Institute of Health and Welfare (AIHW) (2010c) Publications: <http://www.aihw.gov.au/publications/index.cfm>.
- Australian Institute of Health and Welfare (AIHW) (2010d) Life expectancy: <http://www.aihw.gov.au/life-expectancy/>.
- Australian Institute of Health and Welfare (AIHW) (2010e) 2010 National Drug Strategy Household Survey: <http://www.aihw.gov.au/drugs/ndshs/ndshs2010.cfm>.

- Australian National Notifiable Diseases Surveillance System (2010) Annual reports. Australia's notifiable diseases status: Annual report of the National Notifiable Diseases Surveillance System: <http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-pubs-annlrpt-nndssar.htm>.
- AVERT (2010) Australia HIV & AIDS statistics. <http://www.avert.org/aids-hiv-australia.htm>.
- Bagnardi, V., Zatonski, W., Scotti, L., La Vecchia, C., Corrao, G. (2008) Does drinking pattern modify the effect of alcohol on the risk of coronary heart disease? Evidence from a meta-analysis. *J Epidemiol Community Health* 62(7):615–19.
- Baker, M., Wilson, N., Ikram, R., Chambers, S., Shoemack, P., Cook, G. (2006) Regulation of chicken contamination is urgently needed to control New Zealand's serious campylobacteriosis epidemic. *N Z Med J* 119(1243):U2264.
- Barlow-Stewart, K. (2007) Newborn screening for genetic conditions. Centre for Genetics Education. <http://www.genetics.com.au/pdf/factsheets/fs20.pdf>.
- Barnett, F. (2009) Do physical activity levels influence the cardiovascular-related physiological characteristics of postmenopausal women? *Australas J Ageing* 28(4):216–18.
- Barreto, M.L., Teixeira, M.G., Carmo, E.H. (2006) Infectious diseases epidemiology. *J Epidemiol Community Health* 60(3):192–5.
- Bartlett, L. (2010) Faecal incontinence in North Queensland: Prevalence and management. Abstract for conference on 100 Years of Tropical Medicine, AIMS/ACTM & Partners; Annals of the ACTM; 11(2):57.
- Basavapatrungi, A. and Anderson, K.S. (2007) Reverse transcription of the HIV-1 pandemic. *FASEB J* 21(14):3795–808.
- Bauer, J. and Garbe, C. (2003) Acquired melanocytic nevi as risk factor for melanoma development. A comprehensive review of epidemiological data. *Pigment Cell Res* 16:297–306.
- Baum, F. (2007) Cracking the nut of health equity: Top down and bottom up pressure for action on the social determinants of health. *Promot Educ* 14(2):90–5.
- Bazin, H. (2000) The eradication of smallpox: Edward Jenner and the first and only eradication of a human infectious disease. Academic Press, London.
- Beauchamp, T.L. and Childress, J.F. (1994) Principles of biomedical ethics. 4th edn. Oxford University Press, New York.
- Begg, C., Cho, M., Eastwood, S., Horton, R., Moher, D., Olkin, I., Pitkin, R., Rennie, D., Schulz, K.F., Simel, D., Stroup, D.F. (1996) Improving the quality of reporting of randomized controlled trials: The CONSORT statement. *JAMA* 276:637–9.
- Bencic, Z. and Sinha, R. (1972) Cholera carriers and circulation of *Cholera vibrios* in the community. *Int J Epidemiol* 1:13–14.
- Benedetti, F. (2008) Placebo effects: Understanding the mechanisms in health and disease. 1st edn. Oxford University Press, New York.
- Bennell, K., Wee, E., Coburn, S., Green, S., Harris, A., Staples, M., Forbes, A., Buchbinder, R. (2010) Efficacy of standardised manual therapy and home exercise programme for chronic rotator cuff disease: Randomised placebo controlled trial. *Br Med J* 340:c2756.
- Berkson, J. (1946) Limitations of the application of fourfold tables to hospital data. *Biometrics Bull* 2(3):47–53.

- Biesalski, H.K., Bueno de Mesquita, B., Chesson, A., Chytil, F., Grimble, R., Hermus, R.J., Köhrle, J., Lotan, R., Norpeth, K., Pastorino, U., Thurnham, D. (1998) European Consensus Statement on Lung Cancer: Risk factors and prevention. *Lung Cancer Panel. CA Cancer J Clin* 48(3):167–76.
- Binukumar, B. and Mathew, A. (2005) Dietary fat and risk of breast cancer. *World J Surg Oncol* 3:45.
- Bland, J.M. and Altman D.G. (1986) Statistical methods for assessing agreement between two methods of clinical measurement. *Lancet* 1:307–10.
- Bland, M. (2000) An introduction to medical statistics. 3rd edn. Oxford University Press, Oxford.
- Bonuck, K.A., Huang, V., Fletcher, J. (2010) Inappropriate bottle use: An early risk for overweight? Literature review and pilot data for a bottle-weaning trial. *Matern Child Nutr* 6(1):38–52.
- Borgatti, S.P. (1998) Principles of questionnaire construction. <http://www.analytictech.com/mb313/principles.htm>.
- Borschmann, K., Moore, K., Russell, M., Ledgerwood, K., Renahan, E., Lin, X., Brown, C., Sison, J. (2010) Overcoming barriers to physical activity among culturally and linguistically diverse older adults: A randomised controlled trial. *Australas J Ageing* 29(2):77–80.
- Boston Women's Health Book Collective (2010) Toxic shock syndrome: <http://www.ourbodiesourselves.org/book/companion.asp?compID=38&id=13>.
- Bouwes Bavinck, J.N., Plasmeijer, E.I., Feltkamp, M.C. (2003) Beta-papillomavirus infection and skin cancer. *J Invest Dermatol* 128(6):1355–8.
- Bramness, J.G., Walby, F.A., Tverdal, A. (2007) The sales of antidepressants and suicide rates in Norway and its counties 1980–2004. *J Affect Dis* 102(1):1–9.
- Breast Cancer Foundation of Western Australia (2007) Breast cancer: Risk factors. <http://www.breastcancer.org.au/about-breast-cancer/risk-factors.aspx>.
- Brickhouse, T. and Smith, N.D. (2010) Plato (c.427–347 BCE), The Internet Encyclopedia of Philosophy: <http://www.iep.utm.edu/plato/>.
- Brown, L.M. (2000) *Helicobacter pylori*: Epidemiology and routes of transmission. *Epidemiol Rev* 22(2):283–97.
- Buell, P. and Dunn, J.E. (1965) Cancer mortality among Japanese Issei and Nisei of California. *Cancer* 18:656–64.
- Buhrer-Skinner, M., Muller, R., Menon, A., Gordon, R. (2008) Novel approach to an effective community-based chlamydia screening program within the routine operation of a primary healthcare service. *Sex Health* 6(1):51–6.
- Bulmer, M. (2003) Francis Galton. Pioneer of heredity and biometry. Johns Hopkins University Press, Baltimore, MD.
- Bulpitt, C.J., Clifton, P., Hoffbrand, B.I. (1980) Factors influencing over and under-consumption of anti-hypertensive drugs. *Arch Int Pharmacodyn Ther Suppl*:243–50.
- Burgi, H., Supersaxo, Z., Selz, B. (1990) Iodine deficiency diseases in Switzerland one hundred years after Theodor Kocher's survey: A historical review with some new goitre prevalence data. *Acta Endocrinologica* 123(6):577–90.

- Caldwell, G.G., Kelley, D.B., Heath, C.W.Jr (1980) Leukemia among participants in military maneuvers at a nuclear bomb test. A preliminary report. *JAMA* 244(14):1575–8.
- Calvin, C. and Moriarty, H. (2010) A special type of ‘hard-to-reach’ patient: Experiences of pregnant women on methadone. *J Prim Health Care* 2(1):61–9.
- Cameron, M., Andersson, N., McDowell, I., Ledogar, R.J. (2010) Culturally safe epidemiology: Oxymoron or scientific imperative. *Pimatisiwin* 8(2):89–116.
- Campbell, A., Neill, A., Lory, R. (2010) Ethnicity and socio-economic status predict initial Continuous Positive Airway Pressure compliance in New Zealand adults with Obstructive Sleep Apnoea. *Intern Med J* Oct 8. [Epub ahead of print]
- Campbell, A.J., Robertson, M.C., La Grow, S.J., Kerse, N.M., Sanderson, G.F., Jacobs, R.J., Sharp, D.M., Hale, L.A. (2005) Randomised controlled trial of prevention of falls in people aged > or =75 with severe visual impairment: The VIP trial. *Br Med J* 331(7520):817.
- Carapetis, J.R., Brown, A., Wilson, N.J., Edwards, K.N. and the Rheumatic Fever Guidelines Writing Group (2007) An Australian guideline for rheumatic fever and rheumatic heart disease: An abridged outline. *Med J Aust* 186(11):581–6.
- Carroll, K.K. (1975) Experimental evidence of dietary factors and hormone dependent cancers. *Cancer Res* 35:3374–83.
- Carroll, K.K. (1991) Dietary fats and cancer. *Am J Clin Nutr* 53:1064S–1067S.
- Center for Infectious Disease Preparedness. UC Berkeley School of Public Health (2006) Conducting an outbreak investigation in 7 steps (or less). <http://www.idready.org/slides/03outbreak-slides.pdf>.
- Centers for Disease Control (CDC) (1980) Toxic-shock syndrome—United States. *MMWR* 29(20):229–30.
- Centers for Disease Control (CDC) (1981) Pneumocystis pneumonia—Los Angeles. *MMWR* 30:250–2.
- Centers for Disease Control (CDC) (1996) Comprehensive plan for epidemiologic surveillance. CDC, Atlanta, GA.
- Centers for Disease Control (CDC) (1999) Achievements in Public Health, 1900–1999: Control of Infectious Diseases. *MMWR* 48(29):621–9, <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4829a1.htm>.
- Centers for Disease Control (CDC) (1999) Ten great public health achievements—United States 1900–1999: <http://cdc.gov/mmwr/preview/mmwrhtml/00056796.htm>.
- Centers for Disease Control (CDC) Epidemiology Program Office, Office of the Director (2000) Achievements in Public Health, 1900–1999: Changes in the Public Health System. *JAMA* 283:735–8.
- Centers for Disease Control and Prevention (CDC) (2009) Faststats. Death and mortality, 2007. <http://www.cdc.gov/nchs/faststats/deaths.htm>.
- Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO) (nd) History and epidemiology of global smallpox eradication. From the training course titled ‘Smallpox: Disease, Prevention, and Intervention’, slide 17. <http://www.bt.cdc.gov/agent/smallpox/training/overview/pdf/eradicationhistory.pdf>.

- Charlton, K.E., Nichols, C., Bowden, S., Lambert, K., Barone, L., Mason, M., Milosavljevic, M. (2010) Older rehabilitation patients are at high risk of malnutrition: Evidence from a large Australian database. *J Nutr Health Aging* 14(8):622–8.
- Chauhan, D.K., Dhillon, M.S., Tripathy, S.K. (2009) Neuro-epiphyseal injury around the ankle: A case report. *Foot* 19(2):133–6.
- Cherry, K. (2011) The Milgram obedience experiment. The perils of obedience: <http://psychology.about.com/od/historyofpsychology/a/milgram.htm>.
- Chikritzhs, T.N., Dietze, P.M., Allsop, S.J., Daube, M.M., Hall, W.D., Kypri, K. (2009) The ‘alcopops’ tax: Heading in the right direction. *Med J Aust* 190(6):294–5.
- Chu, E., Burton, D., McArdle, N., Gain, K. (2010) Recent consumption of a large meal does not affect measurements of lung function. *Respirology* 15(6):947–51.
- Ciura, V. (2010) CT technique eliminates the need for X-rays in trauma patients with possible spinal fractures. American College of Radiology/American Roentgen Ray Society Annual Meeting; San Diego, CA. <http://www.disabled-world.com/disability/types/spinal/ct-spinal-scan.php>.
- Clemson, L., Cumming, R.G., Roland, M. (1996) Case-control study of hazards in the home and risk of falls and hip fractures. *Age Ageing* 25(2):97–101.
- Cochran, W.G. (1977) Sampling techniques. 3rd edn. John Wiley & Sons, New York.
- Cohen, J. (1960) A coefficient of agreement for nominal scales. *Educ Psychol Measurement* 20(1):37–46.
- Comans, T.A., Currin, M.L., Brauer, S.G., Haines, T.P. (2010) Factors associated with quality of life and caregiver strain amongst frail older adults referred to a community rehabilitation service: Implications for service delivery. *Disabil Rehabil* Oct 27. [Epub ahead of print]
- Cook, R.J. and Sackett, D.L. (1995) The number needed to treat: A clinically useful measure of treatment effect. *Br Med J* 310:452–4.
- Coombes, B.K., Bisset, L., Vicenzino, B. (2010) Efficacy and safety of corticosteroid injections and other injections for management of tendinopathy: A systematic review of randomised controlled trials. *Lancet* 376(9754):1751–67.
- Creswell, J.W. and Plano-Clark, V.L. (2007) Designing and conducting mixed methods research. Sage Publications, Inc., California.
- Crimmins, E.M., Kim, J.K., Solé-Auró, A. (2010) Gender differences in health: Results from SHARE, ELSA and HRS. *Eur J Public Health* 21(1):81–91.
- Curado, M.P., Edwards, B., Shin, H.R., Storm, H., Ferlay, J., Heanue, M., Boyle, P. (eds) (2007) Cancer incidence in five continents. Vol. IX. World Health Organization and International Agency for Research on Cancer. IARC scientific publications no. 160. IARC, Lyon.
- Cust, A.E., Armstrong, B.K., Goumas, C., Jenkins, M.A., Schmid, H., Hopper, J.L., Kefford, R.F., Giles, G.G., Aitken, J.F., Mann, G.J. (2011) Sunbed use during adolescence and early adulthood is associated with increased risk of early-onset melanoma. *Int J Cancer* 128(10):2425–35.
- Davis, J.P., Chesney, P.J., Wand, P.J., LaVenture, M. (1980) Toxic-shock syndrome: Epidemiologic features, recurrence, risk factors, and prevention. *N Engl J Med* 303(25):1429–35.



- Dawber, T.R. (1980) The Framingham Study. The epidemiology of atherosclerotic disease. Harvard University Press, Cambridge, MA.
- de Morton, N.A., Davidson, M., Keating, J.L. (2010) Reliability of the de Morton mobility index (DEMMI) in an older acute medical population. *Physiother Res Int* Oct 29. [Epub ahead of print]
- Deakin University (2010) Questionnaire design: <http://www.deakin.edu.au/buslaw/management-marketing/research/docs/question-design.pdf>.
- Declaration of Geneva (1948) Adopted by the General Assembly of World Medical Association at Geneva Switzerland, September 1948: <http://www.wma.net/en/30publications/10policies/g1/index.html>.
- Denzin, N.K. (1978) The research act: A theoretical introduction to sociological methods. 2nd edn. McGraw-Hill, New York.
- Derrick, E.H. (1937) 'Q' fever, a new fever entity: Clinical features, diagnosis and laboratory investigation. *Med J Aust* 2:281–99.
- Deuchert, E. and Brody, S. (2007) Plausible and implausible parameters for mathematical modeling of nominal heterosexual HIV transmission. *Ann Epidemiol* 17(3):237–44.
- Devine, S., Buettner, P.G., Mummary, K. (2009) Socio-environmental determinants of physical activity in the tropics. *J Rural Tropical Public Health* 8:30–7.
- Diez-Roux, A.V. (1998) Bringing context back into epidemiology: Variables and fallacies in multilevel analysis. *Am J Public Health* 88(2):216–22.
- Doidge, N. (2007) The brain that changes itself: Stories of personal triumph from the frontiers of brain science. Viking, New York.
- Doll, R. and Hill, A.B. (1950) Smoking and carcinoma of the lung. Preliminary report. *Br Med J* 2:739–48.
- Doll, R. and Hill, A.B. (1954) The mortality of doctors in relation to their smoking habits: A preliminary report. *Br Med J* 228:1451–5.
- Doll, R. and Hill, A.B. (1964) Mortality in relation to smoking: Ten years' observations of British doctors. *Br Med J* 1(5395):1399–410. Doll, R., Peto, R., Boreham, J., Sutherland, I. (2005) Mortality from cancer in relation to smoking: 50 years' observations on British doctors. *Br J Cancer* 92:426–9.
- D'Onise, K., Lynch, J.W., McDermott, R.A. (2010) Can attending preschool reduce the risk of tobacco smoking in adulthood? The effects of Kindergarten Union participation in South Australia. *Epidemiol Community Health* 2010 Jun 27. [Epub ahead of print]
- Dos Santos Silva, I. (1999) Cancer epidemiology: Principles and methods. International Agency for Research on Cancer, Lyon.
- Douglas, C., Wollin, J.A., Windsor, C. (2008) Illness and demographic correlates of chronic pain among a community-based sample of people with multiple sclerosis. *Arch Phys Med Rehabil* 89(10):1923–32.
- Downs, S.H. and Black, N. (1998) The feasibility of creating a checklist for the assessment of the methodological quality both of randomised and non-randomised studies of health care interventions. *J Epidemiol Commun Health* 52:377–84.
- Draper, G., Turrell, G., Oldenburg, B. (2005) Health inequalities in Australia: Mortality. Cat. no. PHE 55. AIHW, Canberra.



- Drug Safety Society (2010) Thalidomide: Fetal risk summary. <http://drugsafetysite.com/thalidomide/>.
- Duffy, S.W., Tabar, L., Olsen, A.H., Vitak, B., Allgood, P.C., Chen, T.H., Yen, A.M., Smith, R.A. (2010) Absolute numbers of lives saved and overdiagnosis in breast cancer screening, from a randomized trial and from the Breast Screening Programme in England. *J Med Screen* 17(1):25–30.
- Durkheim, E. (1897) *Le suicide*. English translation by Spalding, J.A. (1951) Free Press, Collier-MacMillan, Toronto, Canada.
- Dyer, A.R., Stamler, J., Paul, O., Lepper, M., Shekelle, R.B., McKean, H., Garside, D. (1980) Alcohol consumption and 17-year mortality in the Chicago Western Electric Company Study. *Prev Med* 9:78–90.
- Eales, K.M., Norton, R.E., Ketheesan, N. (2010) Brucellosis in northern Australia. *Am J Trop Med Hyg* 83(4):876–8.
- Ebbinghaus, A. and Doerner, K. (2001) Destroy and heal. The Nuremberg doctors' trial and its consequences. Aufbau Verlag, Germany [*Vernichten und Heilen. Der Nuernberger Aerzteprozess und seine Folgen*].
- Edwards, P., Roberts, I., Clarke, M., Diguiseppi, C., Pratap, S., Wentz, R. (2002) Increasing response rates to postal questionnaires: Systematic review. *Br Med J* 324:1183.
- Enquselassie, F., Dobson, A.J., Alexander, H.M., Steele, P.L. (1993) Seasons, temperature and coronary disease. *Int J Epidemiol* 22:632–6.
- Eppig, C., Fincher, C.L., Thornhill, R. (2010) Parasite prevalence and the worldwide distribution of cognitive ability. *Proc Biol Sci* 277(1701):3801–8.
- EQUATOR Network (2010) Introduction to reporting guidelines: <http://www.equator-network.org/resource-centre/library-of-health-research-reporting/reporting-guidelines/>.
- Erickson, J.D. (1978) Mortality in selected cities with fluoridated and non-fluoridated water supplies. *N Engl J Med* 298(20):1112–16.
- Evans, A.S. (1993) Causation and disease: A chronological journey. Plenum Publishing Coop, New York.
- Evans, D. (2003) Hierarchy of evidence: A framework for ranking evidence evaluating healthcare interventions. *J Clin Nurs* 12(1):77–84.
- Evans, R.W., Blagg, C.R., Bryan, F.A., Jr (1981) Implications for health care policy. A social and demographic profile of hemodialysis patients in the United States. *JAMA* 245(5):487–91.
- Fairbank, J.C., Couper, J., Davies, J.B., O'Brien, J.P. (1980) The Oswestry low back pain disability questionnaire. *Physiotherapy* 66(8):271–3.
- Fanslow, J. and Robinson, E. (2004) Violence against women in New Zealand: Prevalence and health consequences. *N Z Med J* 117(1206):U1173.
- Feinstein, A. (1985) Clinical epidemiology. The architecture of clinical research. 2nd edn. W.B. Saunders, Philadelphia.
- Feinstein, A.R. (1996) Multivariable analysis. An introduction. Yale University Press, New Haven.

- Feinstein, A.R., Sosin, D.M., Wells, C.K. (1985) The Will Rogers Phenomenon—stage migration and new diagnostic techniques as a source of misleading statistics for survival in cancer. *N Engl J Med* 312:1604–8.
- Feskanich, D., Willett, W., Colditz, G. (2002) Walking and leisure-time activity and risk of hip fracture in postmenopausal women. *JAMA* 288:2300–6.
- Fitzgerald, G. (2005) The state of health of the Queensland population. Queensland Health report. http://www.health.qld.gov.au/hic/MAY_VE1a.pdf.
- Fleiss, J.L. (1971) Measuring nominal scale agreement among many raters. *Psychol Bull* 76(5):378–82.
- Fleiss, J.L. (1981) Statistical methods for rates and proportions. 2nd edn. John Wiley & Sons, New York.
- Ford, J.B., Roberts, C.L., Algert, C.S., Bowen, J.R., Bajuk, B., Henderson-Smart, D.J.; NICUS Group (2007) Using hospital discharge data for determining neonatal morbidity and mortality: A validation study. *BMC Health Serv Res* 7:188.
- Forge, J. (2008) The responsible scientist. A philosophical inquiry. University of Pittsburgh Press, Pittsburgh.
- Forssman, B., Mannes, T., Musto, J., Gottlieb, T., Robertson, G., Natoli, J.D., Shadbolt, C., Biffin, B., Gupta, L. (2007) Vibrio cholerae O1 El Tor cluster in Sydney linked to imported whitebait. *Med J Aust* 187(6):345–7.
- Foster-Cohen, S.H., Friesen, M.D., Champion, P.R., Woodward, L.J. (2010) High prevalence/low severity language delay in preschool children born very preterm. *J Dev Behav Pediatr* 31(8):658–67.
- Fragar, L., Stain, H.J., Perkins, D., Kelly, B., Fuller, J., Coleman, C., Lewin, T.J., Wilson, J.M. (2010) Distress among rural residents: Does employment and occupation make a difference? *Aust J Rural Health* 18(1):25–31.
- Fraser, A.G., Scragg, R., Schaaf, D., Metcalf, P., Grant, C.C. (2010) Helicobacter pylori infection and iron deficiency in teenage females in New Zealand. *N Z Med J* 123(1313):38–45.
- Freedman, B. (1987) Equipoise and the ethics of clinical research. *N Engl J Med* 317(3):141–5.
- Freeman, D. (1983) Margaret Mead and Samoa. Harvard University Press, Cambridge, MA.
- Friis, R.H. and Sellers, T.A. (2004) Epidemiology for public health practice. 3rd edn. Jones & Bartlett Publishers, London: 415–16.
- Fryback, D.G., Ganiats, T., Hays, R., Kaplan, R., Palta, M. for the Health Measurement Research Group (2008) Health-related quality of life measures: <http://www.healthmeasurement.org/Measures.html>.
- Fuchs, F.D. and Chambless, L.E. (2007) Is the cardioprotective effect of alcohol real? *Alcohol* 41(6):399–402.
- Fyfe, M. (2010) Alcopop tax fails to curb teenage drinkers. *The Age* Sunday 26 September: <http://www.theage.com.au/victoria/alcopop-tax-fails-to-curb-teenage-drinkers-20100925-15rnz.html>.
- Gallin, J.I. and Ognibene, F.P. (eds) (2007) Principles and practice of clinical research. Academic Press, Burlington, VT.



- Garbe, C., Büttner, P.G., Weiss, J., Soyer, H.P., Stocker, U., Krüger, S., Roser, M., Weckbecker, J., Panizzon, R., Bahmer, F., Tilgen, W., Guggenmoos-Holzmann, I., Orfanos, C.E. (1994) Risk factors for developing cutaneous melanoma and criteria for identifying persons at risk: Multicenter case-control study of the Central Malignant Melanoma Registry of the German Dermatological Society. *J Invest Dermatol* 102(5):695–9.
- Garfield, E. (1972) Citation analysis as a tool in journal evaluation. *Science* 178:471–9.
- Garfield, E. (2011) The Thomson Reuters impact factor: http://thomsonreuters.com/products_services/science/free/essays/impact_factor/.
- Garfinkel, L. (1985) Selection, follow-up, and analysis in the American Cancer Society prospective studies. *Natl Cancer Inst Monogr* 67:49–52.
- Garrard, J. (2007) Health sciences literature review made easy. The matrix method. 2nd edn. Jones & Bartlett Publishers, Sudbury, MA.
- Garrett, L. (1994) The coming plague: Newly emerging diseases in a world out of balance. Farrar, Straus, Giroux, New York.
- Gartrell, N., Herman, J., Olarte, S., Feldstein, M., Localio, R. (1986) Psychiatrist-patient sexual contact: Results of a national survey. I: Prevalence. *Am J Psychiatry* 143(9):1126–31.
- Gaskill, D., Isenring, E.A., Black, L.J., Hassall, S., Bauer, J.D. (2009) Maintaining nutrition in aged care residents with a train-the-trainer intervention and Nutrition Coordinator. *J Nutr Health Aging* 13(10):913–17.
- Gendall, P. (1998) A framework for questionnaire design: Labaw revisited. *Marketing Bull* 9:28–39.
- Gerstman, B.B. (2003) Epidemiology kept simple. An introduction to traditional and modern epidemiology. 2nd edn. John Wiley & Sons, New Jersey.
- Gholizadeh, L., Salamonson, Y., Worrall-Carter, L., DiGiacomo, M., Davidson, P.M. (2009) Awareness and causal attributions of risk factors for heart disease among immigrant women living in Australia. *J Womens Health (Larchmt)* 18(9):1385–93.
- Giesecke, J. (2002) Modern infectious disease epidemiology. 2nd edn. Arnold, London.
- Glasziou, P.P. and Irwig, L. (1997) Mammographic screening in Australia. *Med J Aust* 167:516–17.
- Goldberger, J., Wheeler, G.A., Sydenstricker, E.A. (1916) A study of the relation of family income and other economic factors to pellagra incidence in seven cotton mill villages of South Carolina in 1916. *Public Health Rep* 35:2673–714.
- Goldman, E.F. and Jones, D.E. (2010) Interventions for preventing hamstring injuries. *Cochrane Database Syst Rev* (1):CD006782.
- Gordis, L. (2009) Epidemiology. 4th edn. WB Saunders, Philadelphia, PA.
- Grady, C. (2005) The challenge of assuring continued post-trial access to beneficial treatment. *Yale J Health Policy Law Ethics* 5(1):425–35.
- Grady, C. (2007) Ethical principles in clinical research. In: Gallin, J.I. and Ognibene, F.P. (eds), *Principles and practice of clinical research*. 2nd edn. Elsevier, Burlington, MA.
- Granger, R.H., Blizzard, L., Fryer, J.L., Dwyer, T. (2006) Association between dietary fat and skin cancer in an Australian population using case-control and cohort study designs. *BMC Cancer* 6:141.

- Graunt, J. (1939) [1662] *Natural and political observations made upon the bills of mortality*. Johns Hopkins University Press, Boston.
- Grayson, J.K. (1996) Radiation exposure, socioeconomic status, and brain tumor risk in the US Air Force: A nested case-control study. *Am J Epidemiol* 143:480-6.
- Green, A., Beardmore, G., Hart, V., Leslie, D., Marks, R., Staines, D. (1988) Skin cancer in a Queensland population. *J Am Acad Dermatol* 19:1045-53.
- Greenhalgh, T. (2006) How to read a paper. The basics of evidence-based medicine. Blackwell Publishing Ltd, BMJ Books, Boston, MA.
- Greenland, S. and Neutra, R. (1981) An analysis of detection bias and proposed corrections in the study of estrogens and endometrial cancer. *J Chronic Dis* 34(9-10):433-8.
- Greenland, S. and Robins, J.M. (1988) Conceptual problems in the definition and interpretation of attributable fractions. *Am J Epidemiol* 128:1185-97.
- Gregory, D.S. (2006) Pertussis: A disease affecting all ages. *Am Fam Physician* 74(3):420-6.
- Griffith, D. and Kerr, C. (1996) Tuberculosis: Disease of the past, disease of the present. *J Perianesth Nurs* 11(4):240-5.
- Grove, R.D. and Hetzel, A.M. (1968) Vital statistics rates of United States, 1940-1960. US Government Printing Office, Washington, DC.
- Guggenmoos-Holzmann, I. and Vonk, R. (1998) Kappa-like indices of observer agreement viewed from a latent class perspective. *Stat Med* 17(8):797-812.
- Guyatt, G., Sackett, D., Taylor, D.W., Chong, J., Roberts, R., Pugsley, S. (1986) Determining optimal therapy—randomized trials in individual patients. *N Engl J Med* 314:889-92.
- Guyatt, G.H., Keller, J.L., Jaeschke, R., Rosenbloom, D., Adachi, J.D., Newhouse, M.T. (1990) The n-of-1 randomized controlled trial: Clinical usefulness: Our three-year experience. *Ann Intern Med* 112:293-9.
- Guyatt, G.H., Sackett, D.L., Cook, D.J. (1993) Users' guides to the medical literature. II. How to use an article about therapy or prevention. A. Are the results of the study valid? Evidence-Based Medicine Working Group. *JAMA* 270(21):2598-601.
- Guyatt, G.H., Sackett, D.L., Cook, D.J. (1994) Users' guides to the medical literature. II. How to use an article about therapy or prevention. B. What were the results and will they help me in caring for my patients? Evidence-Based Medicine Working Group. *JAMA* 271(1):59-63.
- Guyatt, G.H., Sackett, D.L., Sinclair, J.C., Hayward, R., Cook, D.J., Cook, R.J. (1995) Users' guides to the medical literature. IX. A method for grading health care recommendations. Evidence-Based Medicine Working Group. *JAMA* 274(222):1800-4 (erratum in *JAMA* 1996; 275(16):1232).
- Habib, R.R., Abdallah, S.M., Law, M., Kaldor, J. (2005) Mortality rates among nuclear industry workers at Lucas Heights Science and Technology Centre. *Aust N Z J Public Health* 29(3):229-37.
- Hahn, R.A. (1994) Ethical issues. In: Teutsch, S.M. and Churchill, R.E. (eds), *Principles and practice of public health surveillance*. Oxford University Press, New York.
- Hall, T., Briffa, K., Hopper, D., Robinson, K. (2010a) Long-term stability and minimal detectable change of the cervical flexion-rotation test. *J Orthop Sports Phys Ther* 40(4):225-9.
- Hall, T.M., Briffa, K., Hopper, D., Robinson, K. (2010b) Comparative analysis and diagnostic accuracy of the cervical flexion-rotation test. *J Headache Pain* 11(5):391-7.

- Hamlin, C. and Sheard, S. (1998) Revolutions in public health: 1848, and 1998? *Br Med J* 317:587–91.
- Hammond, E.C. and Horn, D. (1954) The relationship between human smoking habits and death rates: A follow-up study of 187,766 men. *JAMA* 155(15):1316–28.
- Hammond, E.C., Selikoff, I.J., Seidman, H. (1979) Asbestos exposure, cigarette smoking and death rates. *Ann NY Acad Sci* 330:473–90.
- Harris, P., Dixit, R., Francis, F., Buettner, P., Egan, A., Proud, M., Leahy, C., Burgher, B., Jayalath, R., Grewal, A., Norton, R. (2010) Pandemic influenza H1N1 2009 in north Queensland—risk factors for admission in a region with a large indigenous population. *Commun Dis Intell* 34(2):102–9.
- Harrison, B.J., Silman, A.J., Wiles, N.J., Scott, D.G., Symmons, D.P. (2001) The association of cigarette smoking with disease outcome in patients with early inflammatory polyarthritis. *Arthritis Rheum* 44(2):323–30.
- Harrison, S.L., Buettner, P.G., MacLennan, R. (2005) The north Queensland ‘sun-safe clothing’ study: Design and baseline results of a randomized trial to determine the effectiveness of sun-protective clothing in preventing melanocytic nevi. *Am J Epidemiol* 161(6):536–45.
- Harrison, S.L., Buettner, P.G., MacLennan, R., Kelly, J.W., Rivers, J.K. (2002) How good are parents at assessing melanocytic nevi (moles) on their children? *Am J Epidemiol* 155(12):1128–36.
- Hartelius, L., Jonsson, M., Rickeberg, A., Laakso, K. (2010) Communication and Huntington’s disease: Qualitative interviews and focus groups with persons with Huntington’s disease, family members, and carers. *Int J Lang Commun Disord* 45(3):381–93.
- Hassan, S.D., Okoued, S.I., Mudathir, M.A., Malik, E.M. (2010) Testing the sensitivity and specificity of the fluorescence microscope (Cyscope) for malaria diagnosis. *Malar J* 31(9):88.
- Hassig, R.A. (1999) Evidence-based medicine. University of Connecticut Health Center. Update, Fall 1999, Vol. XIII, No. 3/4: <http://library.uchc.edu/libpub/fall99.PDF>.
- Hawkins, N.G., Sanson-Fisher, R.W., Shakeshaft, A., D’Este, C., Green, L.W. (2007) The multiple baseline design for evaluating population-based research. *Am J Prev Med* 33(2):162–8.
- Heal, C., Buettner, P., Raasch, B., Browning, S., Graham, D., Bidgood, R., Campbell, M., Cruikshank, R. (2006) Can sutures get wet? A randomised controlled trial of wound management in general practice. *Br Med J* 332(7549):1053–6.
- Heal, C., Buettner, P.G., Cruikshank, R., Graham, D., Browning, S., Pendegast, J., Drobetz, H., Gluer, R., Lisec, C. (2009) Does a single application of topical chloramphenicol to sutured wounds reduce the incidence of wound infection after minor surgery? A prospective randomised placebo controlled double blind trial. *Br Med J* 338:a2812.
- Health Professionals Follow-up Study (2010): <http://www.hsph.harvard.edu/hpfs/>.
- Health Sentinel (2010) Graphs. United States disease death rates: <http://www.healthsentinel.com/joomla/>.
- HealthInfoNet (2010) Closing the gap: <http://www.healthinfonet.ecu.edu.au/>.
- Heath, A.C., Howells, W., Kirk, K.M., Madden, P.A.F., Bucholz, K.K., Nelson, E.C., Slutsker, W.S., Statham, D.J., Martin, N.G. (2000) Predictors of non-response to

- a questionnaire survey of a volunteer twin panel: Findings from the Australian 1989 Twin Cohort. *Twin Res* 4(2):73–80.
- Hedges, B.M. (1979) Question wording effects: Presenting one or both sides of a case. *Statistician* 28(2):83–99.
- Hegarty, J., Beirne, P.V., Walsh, E., Comber, H., Fitzgerald, T., Wallace Kazer, M. (2010) Radical prostatectomy versus watchful waiting for prostate cancer. *Cochrane Database Syst Rev* CD006590.
- Hempel, S. (2006) The medical detective: John Snow and the mystery of cholera. Granta Books, London.
- Hennekens, C.H. and Buring, J.E. (1987) Epidemiology in medicine. Little, Brown & Co., Boston.
- Heron, M., Hoyert, D.L., Murphy, S.L., Xu, J., Kochanek, K.D., Teiada-Vera, B. (2009) Deaths: Final data for 2006. *National Vital Statistics Reports* 57(14), http://www.cdc.gov/nchs/data/nvsr/nvsr57/nvsr57_14.pdf.
- Hetzel, B. (2004) The nature and magnitude of the iodine deficiency disorders (IDD). In: Hetzel B. (ed), *Towards the global elimination of brain damage due to iodine deficiency*. Oxford University Press, Delhi: pages 1–37.
- Hill, A.B. (1965) The environment and disease: Association or causation? *Proc R Soc Med* 58:295–300.
- Hippocrates (1938) On airs, waters, and places. Translated and republished in *Medical Classics* 3:19–42.
- Hoffmann, T., Bennett, S., McKenna, K., Green-Hill, J., McCluskey, A., Tooth, L. (2008) Interventions for stroke rehabilitation: Analysis of the research contained in the OTseeker evidence database. *Top Stroke Rehabil* 15(4):341–50.
- Høidrup, S., Sørensen, T.A., Strøger, U., Lauritzen, J.B., Schroll, M., Grønbaek, M. (2001) Leisure-time physical activity levels and changes in relation to risk of hip fracture in men and women. *Am J Epidemiol* 154(1):60–8.
- Holland, A. (2009) Legal rights of people with intellectual disabilities and research into Prader Willi syndrome. ABC Radio National. The Health Report. 14 December 2009.
- Horwitz, R.I and Feinstein, A.R. (1978) Alternative analytic methods for case-control studies of estrogens and endometrial cancer. *N Engl J Med* 299:1089–94.
- Hoshen, M.B. and Morse, A.P. (2004) A weather-driven model of malaria transmission. *Malaria J* 3:32.
- Huff, D. (1954) How to lie with statistics. WW Norton & Co., New York.
- Huff, T.E. (2003) The rise of early modern science: Islam, China, and the West. Cambridge University Press, Cambridge: page 218.
- Hurley, D.A., Eadie, J., O'Donoghue, G., Kelly, C., Lonsdale, C., Guerin, S., Tully, M.A., van Mechelen, W., McDonough, S.M., Boreham, C.A., Heneghan, C., Daly, L. (2010) Physiotherapy for sleep disturbance in chronic low back pain: A feasibility randomised controlled trial. *BMC Musculoskelet Disord* 11:70.
- Hutchison G.B. and Rothman, K.J. (1978) Correcting a bias? *N Engl J Med* 299: 1129–30.
- IBM SPSS (2010) PASW. Statistics 19: <http://www.spss.com/au/>.
- I-Kuei Lin, L. (1989) A concordance correlation coefficient to evaluate reproducibility. *Biometrics* 45(1):255–68.



- Immunization Action Coalition (2010) Vaccine information: For the public and health professionals. <http://www.vaccineinformation.org/>.
- IMS Health (2009) BreastScreen Australia evaluation—Economic Evaluation and Modelling Study. Australian Government Department of Health and Ageing, Canberra. [http://www.health.gov.au/internet/screening/publishing.nsf/Content/E158C94C6D5FA028CA25762A00029B8A/\\$File/cover%20contents.pdf](http://www.health.gov.au/internet/screening/publishing.nsf/Content/E158C94C6D5FA028CA25762A00029B8A/$File/cover%20contents.pdf).
- International Committee of Medical Journal Editors (2009) Uniform requirements for manuscripts submitted to biomedical journals: <http://www.icmje.org>.
- International Council for the Control of Iodine Deficiency Disorders (2010) About iodine deficiency disorders. <http://www.tulane.edu/~icec/aboutidd.htm>.
- International Epidemiological Association (2010) Good epidemiological practice. Respect for individuals: Informed consent: http://www.ieaweb.org/index.php?option=com_content&view=article&id=15&Itemid=43&limitstart=5.
- Iverach, L., Jones, M., O'Brian, S., Block, S., Lincoln, M., Harrison, E., Hewat, S., Menzies, R.G., Packman, A., Onslow, M. (2010) Mood and substance use disorders among adults seeking speech treatment for stuttering. *J Speech Lang Hear Res* 53(5):1178–90.
- Jaine, R., Baker, M., Venugopal, K. (2008) Epidemiology of acute rheumatic fever in New Zealand 1996–2005. *J Paediatr Child Health* 44(10):564–71.
- James, I.M., Griffith, D.N., Pearson, R.M., Newbury, P. (1977) Effect of oxprenolol on stage-fright in musicians. *Lancet* 2(8045):952–4.
- Jasmer, R.M., Nahid, P., Hopewell, P.C. (2002) Clinical practice. Latent tuberculosis infection. *N Engl J Med* 347(23):1860–6.
- Jenks, R.J. (2001) Attitudes, perceptions and risk-taking behaviors of smokers, ex-smokers, and non-smokers. *J Social Psychol* 132(5):569–75.
- Jones, L. (2008) Promoting physical activity in acute mental health. *Br J Occup Ther* 71(11):499–502.
- Jones, M., Onslow, M., Harrison, E., Packman, A. (2000) Treating stuttering in young children: Predicting treatment time in the Lidcombe Program. *J Speech Lang Hear Res* 43(6):1440–50.
- Jones, M., Onslow, M., Packman, A., Williams, S., Ormond, T., Schwarz, I., Gebski, V. (2005) Randomised controlled trial of the Lidcombe programme of early stuttering intervention. *Br Med J* 331(7518):659.
- Jones, W.H.S. (1924) The doctor's oath. Cambridge University Press, Cambridge.
- Jordan, S.J., Siskind, V., Green, A.C., Whiteman, D.C., Webb, P.M. (2010) Breastfeeding and risk of epithelial ovarian cancer. *Cancer Causes Control* 21(1):109–16.
- Jordan, W.M. (1961) Pulmonary embolism. *Lancet* 2:1146.
- Jorm, A.F., Korten, A.E., Jacomb, P.A., Christensen, H., Henderson, S. (1999) Attitudes towards people with a mental disorder: A survey of the Australian public and health professionals. *Aust N Z J Psychiatry* 33:77–83.
- Julius, S.A. and Mullee, M.A. (1994) Confounding and Simpson's paradox. *Br Med J* 309:1480–1.
- Kanabus, A. and Fredriksson, J. (2010) History of AIDS up to 1986. <http://www.avert.org/aids-history-86.htm>.

- Kant, I. (1788) The critique of practical reason: <http://philosophy.eserver.org/kant/critique-of-practical-reaso.txt>.
- Kaptchuk, T.J., Friedlander, E., Kelley, J.M., Sanchez, M.N., Kokkotou, E., Singer, J.P., Kowalczykowski, M., Miller, F.G., Kirsch, I., Lembo, A.J. (2010) Placebos without deception: A randomized controlled trial in irritable bowel syndrome. *PLoS One* 5(12):e15591.
- Kaslow, R.A., Ostrow, D.G., Detels, R., Phair, J.P., Polk, B.F., Rinaldo, C.R. (1987) The Multicenter AIDS Cohort Study: Rationale, organization, and selected characteristics of the participants. *Am J Epidemiol* 126:310–18.
- Katz, S., Down, T.D., Cash, H.R., Grot, R.C. (1970) Progress in the development of the index of ADL. *Gerontologist* 10:20–30.
- Kimber, L., McNabb, M., McCourt, C., Haines, A., Brocklehurst, P. (2008) Massage or music for pain relief in labour: A pilot randomised placebo controlled trial. *Eur J Pain* 12(8):961–9.
- Kingston, G., Tanner, B., Gray, M.A. (2010) The functional impact of a traumatic hand injury on people who live in rural and remote locations. *Disabil Rehabil* 32(4):326–35.
- Kiple, K.F. (1996) The history of disease. In: Porter, R. (ed), *The Cambridge illustrated history of medicine*. Cambridge University Press, New York.
- Kleinbaum, D.G., Kupper, L.L., Morgenstern, H. (1982) Epidemiologic research. Principles and quantitative methods. Van Nostrand Reinhold, New York.
- Kleinbaum, D.G. and Klein, M. (2002) Logistic regression. A self-learning text. 2nd edn. SpringerVerlag, New York.
- Kleinbaum, D.G., Kupper, L.L., Muller, K.E. (1988) Applied regression analysis and other multivariable methods. 2nd edn. Duxbury Press, Wadsworth Publishing Company, Boston.
- Kolahdooz, F., van der Pols, J.C., Bain, C.J., Marks, G.C., Hughes, M.C., Whiteman, D.C., Webb, P.M.; Australian Cancer Study (Ovarian Cancer) and the Australian Ovarian Cancer Study Group (2010) Meat, fish, and ovarian cancer risk: Results from 2 Australian case-control studies, a systematic review, and meta-analysis. *Am J Clin Nutr* 91(6):1752–63.
- Komisaruk, B.R. and Whipple, B. (2005) Functional MRI of the brain during orgasm in women. *Ann Rev Sex Res* 16:62–86.
- Kool, J.L., Carpenter, J.C., Fields, B.S. (1999) Effect of monochloramine disinfection of municipal drinking water on risk of nosocomial Legionnaires' disease. *Lancet* 353:272–7.
- Kozulin, A., Lebeer, J., Madella-Noja, A., Gonzalez, F., Jeffrey, I., Rosenthal, N., Koslowsky, M. (2010) Cognitive modifiability of children with developmental disabilities: A multicentre study using Feuerstein's Instrumental Enrichment—Basic program. *Res Dev Disabil* 31(2):551–9.
- Krogstad, D.J., Diop, S., Diallo, A., Mzayek, F., Keating, J., Koita, O.A., Touré, Y.T. (2010) Informed consent in international research: The rationale for different approaches. *Am J Trop Med Hyg* 83(4):743–7.
- Labaw, P. (1980) Advanced questionnaire design. Abt Books, Cambridge, MA.
- Laeson, J.S. and Bauman, A.E. (2001) Public health Australia. 2nd edn. McGraw-Hill, Sydney.



- Lai, J.K., Lucas, R.M., Clements, M.S., Roddam, A.W., Banks, E. (2010) Hip fracture risk in relation to vitamin D supplementation and serum 25-hydroxyvitamin D levels: A systematic review and meta-analysis of randomised controlled trials and observational studies. *BMC Public Health* 11(10):331.
- Lam, L.T. and Peng, Z.W. (2010) Effect of pathological use of the internet on adolescent mental health: A prospective study. *Arch Pediatr Adolesc Med* 164(10):901–6.
- Lambeek, L.C., van Mechelen, W., Knol, D.L., Loisel, P., Anema, J.R. (2010) Randomised controlled trial of integrated care to reduce disability from chronic low back pain in working and private life. *Br Med J* 340:c1035.
- Landhuis, C.E., Poulton, R., Welch, D., Hancox, R.J. (2008) Childhood sleep time and long-term risk for obesity: A 32-year prospective birth cohort study. *Pediatrics* 122(5):955–60.
- Langridge, A.T., Nassar, N., Li, J., Stanley, F.J. (2010) Social and racial inequalities in preterm births in Western Australia, 1984 to 2006. *Paediatr Perinat Epidemiol* 24(4):352–62.
- LaPorte, R.E., Cresanta, J.L., Kuller, L.H. (1980) The relation of alcohol to CHD and mortality: Implication for public health policy. *J Public Health Policy* 1:198–223.
- Lash, T.L., Fox, M.P., Fink, A.K. (2009) Applying quantitative bias analysis to epidemiologic data. Springer Publishers, New York.
- Liamputpong, P. and Ezzy, D. (2006) Qualitative research methods. 2nd edn. Oxford University Press, Melbourne.
- Liang, W., Lee, A.H., Binns, C.W., Zhou, Q., Huang, R., Hu, D. (2009) Habitual physical activity reduces the risk of ischemic stroke: A case-control study in southern China. *Cerebrovasc Dis* 28(5):454–9.
- Lidwell, O.M., Morgan, R.W., Williams, R.E.O. (1965) The epidemiology of the common cold, IV. The effect of weather. *J Hygiene* 63(3):427–39.
- Lind, J. (1753) A treatise of the scurvy. Sands, Murray & Cochran, Edinburgh.
- Lloyd-Jones, D.M., Larson, M.G., Beiser, A., Levy, D. (1999) Lifetime risk of developing coronary heart disease. *Lancet* 353(9147):89–92.
- Lo, T.K., Lai, F.K., Leung, W.C., Lau, W.L., Tang, L.C., Chin, R.K. (2010) A new policy for prenatal screening and diagnosis of Down syndrome for pregnant women with advanced maternal age in a public hospital. *J Matern Fetal Neonatal Med* 23(8):914–19.
- Lynch, J. (2002) The perfectly acceptable practice of literary theft: Plagiarism, copyright, and the eighteenth century, in Colonial Williamsburg. *J Colonial Williamsburg Foundation* 24(4):51–4.
- MacMahon, B. and Pugh, T. (1960) Epidemiology: Principles and methods. Little, Brown.
- Maddison, R., Foley, L., Mhurchu, C.N., Jull, A., Jiang, Y., Prapavessis, H., Rodgers, A., Vander Hoorn, S., Hohepa, M., Schaaf, D. (2009) Feasibility, design and conduct of a pragmatic randomized controlled trial to reduce overweight and obesity in children: The electronic games to aid motivation to exercise (eGAME) study. *BMC Public Health* 19(9):146.
- Maddock, I. (1992) Ethics in Aboriginal research. A model for minorities or for all? *Med J Aust* 157(8):553–5.
- Mahoney, F.I. and Barthel, D.W. (1965) Functional evaluation: The Barthel Index. *Md State Med J* 14:2.

- Mak, D.B., Johnson, G.H., Plant A.J. (2004) A syphilis outbreak in remote Australia: Epidemiology and strategies for control. *Epidemiol Infect* 132:805–12.
- Mangnall, L.T., Gallagher, R., Stein-Parbury, J. (2011) Postoperative delirium after colorectal surgery in older patients. *Am J Crit Care* 20(1):45–55.
- Manson, J.E., Hsia, J., Johnson, K.C., Rossouw, J.E., Assaf, A.R., Lasser, N.L., Trevisan, M., Black, H.R., Heckbert, S.R., Detrano, R., Strickland, O.L., Wong, N.D., Crouse, J.R., Stein, E., Cushman, M.; Women's Health Initiative Investigators (2003) Estrogen plus progestin and the risk of coronary heart disease. *N Engl J Med* 349(6):523–34.
- Mar, P.H. (1996) Internet medieval source book: Twelfth Ecumenical Council: Lateran IV 1215. The Canons of the fourth Lateran Council, 1215. <http://www.fordham.edu/halsall/basis/lateran4.html>.
- Marland, G. (1998) Partnership encourages patients to comply with treatment. *Nursing Times* 94(27):58–9.
- Marshall, N.S., Wong, K.K., Phillips, C.L., Liu, P.Y., Knuiman, M.W., Grunstein, R.R. (2009) Is sleep apnea an independent risk factor for prevalent and incident diabetes in the Busselton Health Study. *J Clin Sleep Med* 5:15–20.
- Marshall, T. (2004) When measurements are misleading: Modelling the effects of blood pressure misclassification in the English population. *Br Med J* 328:933.
- Martin, E. (2006) Vignettes and respondent debriefings for questionnaire design and evaluation. US Bureau of Census, Washington, DC.
- 'Mary Mallon (Typhoid Mary)' (1939) (Editorial). *Am J Public Health Nations Health* 29(1):66–8.
- Maskarinec, G. and Noh, J.J. (2004) The effect of migration on cancer incidence among Japanese in Hawaii. *Ethn Dis* 14(3):431–9.
- Masters, W.H. and Johnson, V.E. (1966) Human sexual response. Bantam Books, New York.
- McArthur, G., Atkinson, C., Ellis, D. (2009) Atypical brain responses to sounds in children with specific language and reading impairments. *Dev Sci* 12(5):768–83.
- McBride, D.Q., Lehman, L.P., Mangiardi, J.R. (1985) Break-dancing neck. *N Engl J Med* 312(3):186.
- McCarthy, W.J., Yao, J.S., Schafer, M.F., Nuber, G., Flinn, W.R., Blackburn, D., Suker, J.R. (1989) Upper extremity arterial injury in athletes. *J Vasc Surg* 9(2):317–27.
- McClure, R.J., Hughes, K., Ren, C., McKenzie, K., Dietrich, U., Vardon, P., Davis, E., Newman, B. (2010) The population approach to falls injury prevention in older people: Findings of a two community trial. *BMC Public Health* 10:79.
- McDermott, R., Campbell, S., Li, M., McCulloch, B. (2009) The health and nutrition of young indigenous women in north Queensland—intergenerational implications of poor food quality, obesity, diabetes, tobacco smoking and alcohol use. *Public Health Nutr* 12(11):2143–9.
- McDowell, I. and Newell, C. (1996) Measuring health: A guide to rating scales and questionnaires. 2nd edn. Oxford University Press, New York.
- McGervey, J.D. (1986) Probabilities in everyday life. Nelson-Hall, Chicago.
- McKibbon, K.A. (1998) Evidence-based practice. *Bull Med Libr Assoc* 86:396–401.

- McMichael, A.J., Gerber, W.S., Gamble, J.F., Lednar, W.M. (1976) Chronic respiratory symptoms and job type within the rubber industry. *J Occup Med* 18(9):611–17.
- Mead, M. (1928) Coming of age in Samoa: A psychological study of primitive youth for Western civilization. Morrow, New York.
- Medecins Sans Frontières (2009) Rare instance of cholera in Papua New Guinea brings challenges in raising awareness about treatment and prevention. http://www.msf.org/msfindernational/invoke.cfm?objectid=C7265B0C-15C5-F00A-25BB7B956AA6A7BA&component=toolkit.article&method=full_html.
- Medical Research Council (1948) Streptomycin treatment of pulmonary tuberculosis. *Br Med J* 2(4582):769–82.
- MedicineNet.com (2009) Medical dictionary: Incubation period. http://search.medicinenet.com/search/search_results/default.aspx?query=Incubation+period&Searchwhat=1.
- Meier, P. (1977) The biggest health experiment ever: The 1954 field trial of the Salk poliomyelitis vaccine. In: J.M. Tanur (ed.), Statistics: A guide to the biological and health sciences. Holden-Day, San Francisco.
- Meldrum, M. (1998) ‘A calculated risk’: The Salk polio vaccine field trials of 1954. *Br Med J* 317:1233.
- Merritt, M.A., Green, A.C., Nagle, C.M., Webb, P.M.; Australian Cancer Study (Ovarian Cancer); Australian Ovarian Cancer Study Group (2008) Talcum powder, chronic pelvic inflammation and NSAIDs in relation to risk of epithelial ovarian cancer. *Int J Cancer* 122(1):170–6.
- Miettinen, O.S. (1976) Estimability and estimation in case-referent studies. *Am J Epidemiol* 103:226–35.
- Milgram, S. (1963) Behavioral study of obedience. *J Abnormal Social Psych* 67:371–8.
- Miller, R., Brown, W., Tudor-Locke, C. (2006) But what about swimming and cycling? How to ‘count’ non-ambulatory activity when using pedometers to assess physical activity. *J Phys Act Health* 3:257–66.
- Mirzatolooei, F., Yekta, Z., Bayazidchi, M., Ershadi, S., Afshar, A. (2010) Validation of the Thessaly test for detecting meniscal tears in anterior cruciate deficient knees. *Knee* 17(3):221–3.
- Morabia, A. (2004) A history of epidemiologic methods and concepts. Birkhaeuser Verlag, Basel.
- Morrison, P. and Meehan, T. (1998) Non-medical strategies for managing the side effects of antipsychotic medication: An exploration of consumers’ and carers’ perspectives. Final report to Queensland University of Technology, Brisbane.
- Mullens, A.B., Young, R.M., Dunne, M., Norton, G. (2010) The Cannabis Expectancy Questionnaire for Men who have Sex with Men (CEQ-MSM): A measure of substance-related beliefs. *Addict Behav* 35(6):616–19.
- Mummery, W.K. and Brown, W.J. (2009) Whole of community physical activity interventions: Easier said than done. *Br Sports Med* 43(1):39–43.
- Muñoz, N., Bosch, F.X., de Sanjosé, S., Herrero, R., Castellsagué, X., Shah, K.V., Snijders, P.J., Meijer, C.J.; International Agency for Research on Cancer Multicenter Cervical

- Cancer Study Group (2003) Epidemiologic classification of human papillomavirus types associated with cervical cancer. *N Engl J Med* 348(6):518–27.
- Myers, S.P., O'Connor, J., Fitton, J.H., Brooks, L., Rolfe, M., Connellan, P., Wohlmuth, H., Cheras, P.A., Morris, C. (2010) A combined phase I and II open label study on the effects of a seaweed extract nutrient complex on osteoarthritis. *Biologics* 4:33–44.
- Najarian, T. and Colton, T. (1978) Mortality from leukemia and cancer in shipyard nuclear workers. *Lancet* 1(8072):1018–20.
- Nakashima, A.K., Rolfs, R.T., Flock, M.L., Kilmarx, P., Greenspan, J.R. (1996) Epidemiology of syphilis in the United States, 1941–1993. *Sex Transm Dis* 23(1):16–23.
- Nathanson, N. and Alexander, E.R. (1996) Infectious disease epidemiology. *Am J Epidemiol* 144(8):S34–S38.
- National Health and Medical Research Council (NHMRC) (1991) Guidelines on ethical matters in Aboriginal and Torres Strait Islander health research. NHMRC, Canberra.
- National Health and Medical Research Council (NHMRC) (2003) Values and ethics: Guidelines for ethical conduct in Aboriginal and Torres Strait Islander health research. NHMRC, Canberra.
- National Health and Medical Research Council (NHMRC) (2005) Keeping research on track. A guide for Aboriginal and Torres Strait Islander peoples about health research ethics. NHMRC, Canberra.
- National Highway Traffic Safety Administration (NHTSA) (2008) Fatal crashes and crash rates by month—state: USA, year, 2008: <http://www-fars.nhtsa.dot.gov/Crashes/CrashesTime.aspx>.
- National Institutes of Health (2010) NIH Research Matters: CT screening significantly reduces lung cancer mortality. <http://www.nih.gov/researchmatters/november2010/11222010ctscan.htm>.
- National Institute of Neurological Disorders and Stroke (2010) Stroke: Hope through research: http://www.ninds.nih.gov/disorders/stroke/detail_stroke.htm.
- National Institutes of Health (NIH) (2007) 20-Year lag time between smoking and lung cancer. *Cancer_smoking_lung_cancer_correlation_from_NIH.svg*; http://en.wikipedia.org/wiki/File:Cancer_smoking_lung_cancer_correlation_from_NIH.svg; last accessed June 2010.
- National Library of Medicine (2002) The Hippocratic oath. Translated by Michael North: http://www.nlm.nih.gov/hmd/greek/greek_oath.html.
- National Lung Screening Trial Research Team (2011) The national lung screening trial: Overview and study design. *Radiology* 258(1):243–53.
- National Statistical Service (2010) Basic survey design: <http://www.nss.gov.au/nss/home.nsf/SurveyDesignDoc/F9D27A66738B57ADCA2571AB00247B4F?OpenDocument>.
- Neale, R., Williams, G., Green, A. (2002) Application patterns among participants randomized to daily sunscreen use in a skin cancer prevention trial. *Arch Dermatol* 138(10):1319–25.
- New Zealand Ministry of Health (2006) Rubella. Chapter 11. In: Immunisation handbook 2006. NZ Ministry of Health, Wellington, <http://www.moh.govt.nz/moh.nsf/indexmh/immunisation-handbook-2006>.

- New Zealand Ministry of Health (2010) Data and statistics. New Zealand health survey: <http://www.moh.govt.nz/moh.nsf/indexmh/dataandstatistics-survey-nzhealth>.
- New, K., Bogossian, F., East, C., Davies, M.W. (2010) Practice variation in the transfer of premature infants from incubators to open cots in Australian and New Zealand neonatal nurseries: Results of an electronic survey. *Int J Nurs Stud* 47(6):678–87.
- Newsham-West, R., Button, C., Milburn, P.D., Mündermann, A., Sole, G., Schneiders, A.G., Sullivan, S.J. (2009) Training habits and injuries of masters' level football players: A preliminary report. *Phys Ther Sport* 10(2):63–6.
- Nikles, C.J., Mitchell, G.K., Del Mar, C.B., Clavarino, A., McNairn, N. (2006) An n-of-1 trial service in clinical practice: Testing the effectiveness of stimulants for attention-deficit/hyperactivity disorder. *Pediatrics* 117:2040–6.
- Nwora, A.J. and Gee, B.M. (2009) A case study of a five-year-old child with pervasive developmental disorder-not otherwise specified using sound-based interventions. *Occup Ther Int* 16(1):25–43.
- Oliver, M., Schluter, P.J., Paterson, J., Kolt, G.S., Schofield, G.M. (2009) Pacific Islands families: Child and parental physical activity and body size—design and methodology. *N Z Med J* 122(1298):48–58.
- Omnenn, G.S., Goodman, G.E., Thornquist, M.D., Balmes, J., Cullen, M.R., Glass, A., Keogh, J.P., Meyskens, F.L. Jr, Valanis, B., Williams, J.H. Jr, Barnhart, S., Cherniack, M.G., Brodkin, C.A., Hammar, S. (1996) Risk factors for lung cancer and for intervention effects in CARET, the Beta-Carotene and Retinol Efficacy Trial. *J Natl Cancer Inst* 88(21):1550–9.
- O'Reilly, K.M., McLaughlin, A.M., Beckett, W.S., Sime, P.J. (2007) Asbestos-related lung disease. *Am Fam Physician* 75(5):683–8.
- O'Rourke, P.P., Crone, R.K., Vacanti, J.P., Ware, J.H., Lillehli, C.W., Parad, R.B., Epstein, M.F. (1989) Extracorporeal membrane oxygenation and conventional medical therapy in neonates with persistent pulmonary hypertension of the newborn: A prospective randomized study. *Pediatrics* 84:957–63.
- Oxford Centre for Evidence-Based Medicine (2001) Levels of evidence: http://webcache.googleusercontent.com/search?q=cache:PxU_8rmM7XsJ:www.cebm.net/index.aspx%3Fo%3D1047+Oxford+level+of+evidence&cd=1&hl=en&ct=clnk&gl=au.
- Oxman, A.D., Sackett, D.L., Guyatt, G.H. (1993) Users' guides to the medical literature. I. How to get started. The Evidence-Based Medicine Working Group. *JAMA* 270(17):2093–5.
- Pagano, M. and Gauvreau, K. (1993) Principles of biostatistics. Wadsworth, California.
- Panaretto, K., Lee, H., Mitchell, M., Larkins, S., Manessis, V., Buettner, P., Watson, D. (2006) Risk factors for preterm, low birth weight and small for gestational age birth in urban Aboriginal and Torres Strait Islander women in Townsville. *Aust N Z J Public Health* 30(2):163–70.
- Parkin, D.M., Bray, F., Ferlay, J., Pisani, P. (2005) Global cancer statistics, 2002. *Cancer J Clin* 55:74–108.

- Patterson, S.D. and Gray, S.C. (2007) Carbohydrate-gel supplementation and endurance performance during intermittent high-intensity shuttle running. *Int J Sport Nutr Exerc Metab* 17(5):445–55.
- Peadon, E., Rhys-Jones, B., Bower, C., Elliott, E.J. (2009) Systematic review of interventions for children with Fetal Alcohol Spectrum Disorders. *BMC Pediatr* 9:35.
- Perry, W.R. and Wilkinson, T.J. (2010) Taking the pulse: Medical student workforce intentions and the impact of debt. *N Z Med J* 123(1318):15–23.
- Peto, R., Lopez, A.D., Boreham, J., Thun, M. (2006) Mortality from smoking in developed countries 1950–2000: Indirect estimates from National Vital Statistics. Oxford University Press, Oxford.
- Petrozzino, J.J., Smith, C., Atkinson, M.J. (2010) Rapid diagnostic testing for seasonal influenza: An evidence-based review and comparison with unaided clinical diagnosis. *J Emerg Med* 34(4):476–90.
- Piaget, J. (1932/1965) The moral judgment of the child. The Free Press, New York.
- Pink, B. and Allbon, P. (2008) The health and welfare of Australia's Aboriginal and Torres Strait Islander peoples 2008. AIHW cat. no. IHW 21 & ABS cat. no. 4704.0 (out of print). Australian Institute of Health and Welfare and Australian Bureau of Statistics, Canberra. <http://www.aihw.gov.au/publication-detail/?id=6442468085>.
- Pitsavos, C., Makrilakis, K., Panagiotakos, D.B., Chrysohoou, C., Ioannidis, I., Dimosthenopoulos, C., Stefanadis, C., Katsilambros, N. (2005) The J-shape effect of alcohol intake on the risk of developing acute coronary syndromes in diabetic subjects: The CARDIO2000 II Study. *Diabet Med* 22(3):243–8.
- Pocock, S.J. (1983) Clinical trials. John Wiley & Sons, Chichester.
- Poikolainen, K., Vartiainen, E., Korhonen, H.J. (1996) Alcohol intake and subjective health. *Am J Epidemiol* 144(4):346–50.
- Polgar, S. and Thomas, S.A. (1998) Introduction to research in the health sciences. 3rd edn. Churchill Livingstone, Melbourne.
- Polish, L.B., Shapiro, C.N., Bauer, F., Klotz, P., Ginier, P., Roberto, R.R., Margolis, H.S., Alter, M.J. (1992) Nosocomial transmission of hepatitis B virus associated with the use of a spring-loaded finger-stick device. *N Engl J Med* 326(11):721–5.
- Polit, D.F. and Hungler, B.P. (1999) Nursing research: Principles and methods. Lippincott Williams & Wilkins, New York.
- Popper, K. (1959) The logic of scientific discovery. Hutchinson Education. Reprinted 2000 by Routledge, London.
- Porta, M. (2008) A dictionary of epidemiology. 5th edn. Oxford University Press, New York.
- Porter, R. (ed.) (1996) The Cambridge illustrated history of medicine. Cambridge University Press, Cambridge.
- Pridmore, S. and Fujiyama, H. (2009) Suicide in the Northern Territory, 2001–2006. *Aust N Z J Psychiatry* 43(12):1126–30.
- Proudman, S.M., Cleland, L.G., James, M.J. (2008) Dietary omega-3 fats for treatment of inflammatory joint disease: Efficacy and utility. *Rheum Dis Clin North Am* 34(2):469–79.

- Queensland Government (2009) Dengue fever. Dengue in Australia: http://www.health.qld.gov.au/dengue/dengue_fever/australia.asp.
- Queensland Health (2005) Queensland HIV, hepatitis C and sexually transmissible infections strategy 2005–2011: <http://www.health.qld.gov.au/sexhealth/>.
- Radisch, J. (2010) More medicines for neglected and emerging infectious diseases. *Bull World Health Organ*: <http://www.who.int/bulletin/volumes/85/8/07-045690/en/>.
- Rao, A.R., Hanchanale, V., Laniado, M., Karim, O., Motiwala, H. (2008) Sir Percival Pott and his memorable contribution to the epidemiology of the chimney sweeper's cancer and the epidemic of tuberculosis. *J Urol* 179(4):310.
- Rehm, J. and Bondy, S. (1998) Alcohol and all-cause mortality: An overview. *Novartis Found Symp* 216:223–32.
- Ricci, E. and Afaragan, M. (2010) The effect of stochastic electrical noise on hard-to-heal wounds. *J Wound Care* 19(3):96–103.
- Richmond-Sinclair, N.M., Pandeya, N., Williams, G.M., Neale, R., van der Pols, J.C., Green, A.C. (2010) Clinical signs of photodamage are associated with basal cell carcinoma multiplicity and site: A 16-year longitudinal study. *Int J Cancer* 127:2622–9.
- Richters, J., Butler, T., Schneider, K., Yap, L., Kirkwood, K., Grant, L., Richards, A., Smith, A.M., Donovan, B. (2010) Consensual sex between men and sexual violence in Australian prisons. *Arch Sex Behav* 2010 Aug 31.
- Rigter, H., Pelc, I., Tossmann, P., Phan, O., Grichting, E., Hendriks, V., Rowe, C. (2010) INCANT: A transnational randomized trial of multidimensional family therapy versus treatment as usual for adolescents with cannabis use disorder. *BMC Psychiatry* 10:28.
- Roberts, M.J. and Reich, M.R. (2002) Ethical analysis in public health. *Lancet* 359:1055–9.
- Rosenhan, D.L. (1973) On being sane in insane places. *Science* 179(70):250–8.
- Ross, M.L., Garvican, L.A., Jeacocke, N.A., Laursen, P.B., Abbiss, C.R., Martin, D.T., Burke, L.M. (2011) Novel pre-cooling strategy enhances time trial cycling in the heat. *Med Sci Sports Exerc* 43(1):123–33.
- Rothman, K.J. and Greenland, S. (2005) Causation and causal inference in epidemiology. *Am J Public Health* 95:S144–S150.
- Rothman, K.J., Greenland, S., Lash, T.T. (2008) Modern epidemiology. 3rd edn. Lippincott Williams & Wilkins, Philadelphia, PA.
- Russell, B. (1946) History of Western philosophy. George, Allen & Unwin Ltd. Reprinted 2001 by Routledge, London.
- Ryan, E.T. (2011) The cholera pandemic, still with us after half a century: Time to rethink. *PLoS Negl Trop Dis* 5(1):e1003.
- Sackett, D.L., Rosenberg, W.M., Gray, J.A., Haynes, R.B., Richardson, W.S. (1996) Evidence based medicine: What it is and what it isn't. *Br Med J* 312:71–2.
- Santosham, M., Chandran, A., Fitzwater, S., Fischer-Walker, C., Baqui, A.H., Black, R. (2010) Progress and barriers for the control of diarrhoeal disease. *Lancet* 376(9734):63–7.
- Santrock, J.W. (2008) A topical approach to life-span development. 4th edn. McGraw-Hill, New York: pages 283–4.

- Sarantakos, S. (2005) Social research. Palgrave Macmillan, New York, (Chapter 3: Feminist research).
- Sarikaya, S., Karcioğlu, O., Ay, D., Cetin, A., Aktas, C., Serinken, M. (2010) Acute mercury poisoning: A case report. *BMC Emerg Med* 10:7.
- Sarris, J., Kavanagh, D.J., Deed, G., Bone, K.M. (2009) St. John's wort and Kava in treating major depressive disorder with comorbid anxiety: A randomised double-blind placebo-controlled pilot trial. *Hum Psychopharmacol* 24(1):41–8.
- Saunders, V., West, R., Usher, K. (2010) Applying Indigenist research methodologies in health research: Experiences in the borderlands. *Aust J Indigenous Edu* 39:1–7.
- Scanlan, J.N. and Bundy, A.C. (2009) Is the health of young unemployed Australians worse in times of low unemployment? *Aust N Z J Public Health* 33(1):79–82.
- Schoenman, J.A., Sutton, J.P., Kintala, S., Love, D., Maw, R. (2005) The value of hospital discharge databases: http://www.hcup-us.ahrq.gov/reports/final_report.pdf.
- Schulz, K.F., Altman, D.G., Moher, D., for the CONSORT Group (2010) CONSORT 2010 statement: Updated guidelines for reporting parallel group randomised trials. *Br Med J* 340:c332.
- Scollo, M.M. and Winstanley, M.H. (eds) (2008) Tobacco in Australia: Facts and issues. 3rd edn. Cancer Council Victoria, Melbourne. Available: <http://www.tobaccoinaustralia.org.au>.
- Scott, K.M., Smith, D.R., Ellis, P.M. (2010) Prospectively ascertained child maltreatment and its association with DSM-IV mental disorders in young adults. *Arch Gen Psychiatry* 67(7):712–19.
- Scotto, J. and Fears, T.R. (1987) The association of solar ultraviolet and skin melanoma incidence among Caucasians in the United States. *Cancer Invest* 5:275–83.
- Sedgwick, P. (2011) Number needed to treat I. *Br Med J* 342:d2463 doi:10.1136/bmj.d2463.
- Segi, M. (1960) Cancer mortality for selected sites in 24 countries (1950–57). Department of Public Health, Tohoku University of Medicine, Sendai, Japan.
- Segi, M. and Kurihara, M. (1962) Cancer mortality for selected sites in 24 countries; no. 2 (1958–1959). Tohoku University Medical School, Sendai, Japan.
- Segi, M. (1966) Cancer mortality for selected sites in 24 countries (1950–57). Department of Public Health, Tohoku University School of Medicine, Sendai, Japan.
- Seib, C., Fischer, J., Najman, J.M. (2009) The health of female sex workers from three industry sectors in Queensland, Australia. *Soc Sci Med* 68(3):473–8.
- Semiz, M. and Ocak, B. (2010) An alternative agreement statistics with linear weight between ordinal categorical measurements. *Hacettepe J Math Stat* 39(1):97–107.
- Shah, R.S. and Cole, J.W. (2010) Smoking and stroke: The more you smoke the more you stroke. *Expert Rev Cardiovasc Ther* 8(7):917–32.
- Shaw, J.E., Punjabi, N.M., Wilding, J.P., Alberti, K.G., Zimmet, P.Z.; International Diabetes Federation Taskforce on Epidemiology and Prevention (2008) Sleep-disordered breathing and type 2 diabetes: A report from the International Diabetes Federation Taskforce on Epidemiology and Prevention. *Diabetes Res Clin Pract* 81(1):2–12.
- Shaw, J.H.F. (2008) Melanoma in New Zealand: A problem that is not going away. *N Z Med J* 121(1279):6–9.

- SHineSA (2007) Sexual health statistics for South Australia. Sexual health: Information networking & education SA: www.shinesa.org.au.
- Sieber, J.E. (1992) Planning ethically responsible research. Sage, Newbury Park, CA.
- Simon, H.B. (2002) The Harvard Medical School guide to men's health. Free Press, New York: page 31.
- Skillicorn, D.B. and Larsen, A. (2006) Extracting latent factors from survey data. Queen's University. External Technical Report: <http://techreports.cs.queensu.ca/files/2006-506.pdf>.
- Skouteris, H., McCabe, M., Swinburn, B., Hill, B. (2010) Healthy eating and obesity prevention for preschoolers: A randomised controlled trial. BMC Public Health 10:220.
- Sleep Disorder Australia (2007) Sleep studies. SA Branch: www.sleepoz.org.au.
- Smith, L.T. (1999) Decolonizing methodologies: Research and Indigenous peoples. University of Otago Press, Dunedin, NZ.
- Smith, L.T. (2005) On tricky ground: Researching the native in the age of uncertainty. In N.K. Denzin & Y.S. Lincoln (eds), The Sage handbook of qualitative research. 3rd edn. Sage Publications, Thousand Oaks, CA: pages 85–108.
- Smith, S.K., Trevena, L., Simpson, J.M., Barratt, A., Nutbeam, D., McCaffery, K.J. (2010) A decision aid to support informed choices about bowel cancer screening among adults with low education: Randomised controlled trial. Br Med J 341:c5370.
- Snedecor, G.W. (1950) Everyday statistics. WC Brown Co., Dubuque, IA.
- Snow, J. (1855) On the mode of communication of cholera. 2nd edn. John Churchill, London.
- Sokal, R.R. and Rohlf, F.J. (1995) Biometry. 3rd edn. W.H. Freeman & Co., New York.
- Solutions for Public Health (2010) Critical Appraisal Skills Programme (CASP): <http://www.sph.nhs.uk/what-we-do/public-health-workforce/resources/critical-appraisals-skills-programme>.
- Sorbello, D., Dewey, H.M., Churilov, L., Thrift, A.G., Collier, J.M., Donnan, G., Bernhardt, J. (2009) Very early mobilisation and complications in the first 3 months after stroke: Further results from phase II of A Very Early Rehabilitation Trial (AVERT). Cerebrovasc Dis 28(4):378–83.
- Spilker, B.L. (1991) Guide to clinical trials. Raven Press, New York.
- Sports Injury Clinic (2011) Pulled hamstring/hamstring strain: <http://www.sportsinjuryclinic.net/cybertherapist/back/hamstrings/hamstringstrain.htm>.
- Stanford Encyclopedia of Philosophy (2011) Table of contents: <http://stanford.library.usyd.edu.au/contents.html>.
- StataCorp LP (2011) Stata 11: <http://www.stata.com/>.
- Statistics Canada (2011) Census. The Canadian Encyclopedia: <http://www.thecanadianencyclopedia.com/index.cfm?PgNm=TCE&Params=A1ARTA0020060>.
- Steingart, R.M., Packer, M., Hamm, P., Coglianese, M.E., Gersh, B., Geltman, E.M., Sollano, J., Katz, S., Moyé, L., Basta, L.L., et al. (1991) Sex differences in the management of coronary artery disease. Survival and Ventricular Enlargement Investigators. N Engl J Med 325(4):226–30.

- Stevenson, C. (2006) Cardiovascular disease in Australia: Current state and recent trends: <http://www.docstoc.com/docs/39804123/Cardiovascular-disease-in-Australia--current-state-and-recent-trends>.
- Stirrat, G.M., Farrow, S.C., Farndon, J., Dwyer N. (1992) The challenge of evaluating surgical procedures. *Ann R Coll Surg Engl* 74(2):80–4.
- Stone, D.H. (1993) Design a questionnaire. *Br Med J* 307:1264.
- Streiner, D.L. and Norman, G.R. (1995) Health measurement scales. A practical guide to their development and use. 2nd edn. Oxford University Press, Oxford.
- Stroke Center (2010) Barthel Index: <http://www.strokecenter.org/trials/scales/barthel.pdf>.
- Suiter, D.M., Leder, S.B., Karas, D.E. (2009) The 3-ounce (90 cc) water swallow challenge: A screening test for children with suspected oropharyngeal dysphagia. *Otolaryngol Head Neck Surg* 140(2):187–90.
- Szklo, M. and Nieto F.J. (2000) Epidemiology beyond the basics. 2nd edn. Aspen Publishers, New York.
- Talley, L., Woodruff, B.A., Seal, A., Tripp, K., Mselle, L.S., Abdalla, F., Bhatia, R., Mirghani, Z. (2010) Evaluation of the effectiveness of stainless steel cooking pots in reducing iron-deficiency anaemia in food aid-dependent populations. *Public Health Nutr* 13(1):107–15.
- Taylor, D. (2008) The literature review: A few tips on conducting it. The University of Toronto: <http://www.writing.utoronto.ca/advice/specific-types-of-writing/literature-review>.
- Taylor, H.R., Fox, S.S., Xie, J., Dunn, R.A., Arnold, A.L., Keeffe, J.E. (2010) The prevalence of trachoma in Australia: The National Indigenous Eye Health Survey. *Med J Aust* 192(5):248–53.
- Taylor, L.H., Latham, S.M., Woolhouse, M.E. (2001) Risk factors for human disease emergence. *Philos Trans R Soc Lond B Biol Sci* 356(1411):983–9.
- Teutsch, S.M. and Churchill, R.E. (eds) (2000) Principles and practice of public health surveillance. 2nd edn. Oxford University Press, New York.
- The Associated Press (2010) South Korean cloning scientist Hwang indicted: http://www.msnbc.msn.com/id/12749497/ns/health-cloning_and_stem_cells/.
- The Busselton Health Study (2010): <http://www.busseltonhealthstudy.com/>.
- The Economist (2010) Disease and intelligence. *Mens sana in corpore sano*: <http://www.economist.com/node/16479286>.
- The Nurses' Health Study (2008): <http://www.channing.harvard.edu/nhs/index.php/history/>.
- Thomas, J.R. and Nelson, J.K. (2001) Research methods in physical activity. 4th edn. Human Kinetics, Lower Mitcham, SA.
- Thrift, A.G., Dewey, H.M., Sturm, J.W., Paul, S.L., Gilligan, A.K., Srikanth, V.K., Macdonell, R.A., McNeil, J.J., Macleod, M.R., Donnan, G.A. (2006) Greater incidence of both fatal and nonfatal strokes in disadvantaged areas: The Northeast Melbourne Stroke Incidence Study. *Stroke* 37:877–82.
- Thucydides. History of the Peloponnesian war. Chapters 2.47–2.54. Cited in: Longrigg, J. (1992) Epidemics, ideas and classical Athenian society. In: Ranger, T. and Slack, P.



- (eds), Epidemics and ideas. Essays on the historical perception of pestilence. Past & Present Publications, Cambridge, NY.
- Tobias, M., Kokaua, J., Gerritsen, S., Templeton, R. (2010) The health of children in sole-parent families in New Zealand: Results of a population-based cross-sectional survey. *Aust N Z J Public Health* 34(3):274–80.
- Todd, J., Fishaut, M., Kapral, F., Welch, T. (1978) Toxic-shock syndrome associated with phage-group-I staphylococci. *Lancet* 2(8100):1116–18.
- Tordoff, J.M., Bagge, M.L., Gray, A.R., Campbell, A.J., Norris, P.T. (2010) Medicine-taking practices in community-dwelling people aged > or =75 years in New Zealand. *Age Ageing* 39(5):574–80.
- Torgerson, D.J. and Roland, M. (1998) What is Zelen's design? *Br Med J* 316(7131):606.
- Trapp, D., Harrison, S., Nowak, M., Buettner, P. (2010) An evaluation of the sun protective practices of Townsville primary school students. *Annals of the ACTM* 11(2):50.
- Trefil, J., Kett, J.F., Hirsch, E.D. (eds) (2005) New dictionary of cultural literacy. 3rd edn. Houghton Mifflin Harcourt, Chicago.
- Tufte, E.R. (1974) Data analysis for politics and policy. Prentice Hall, Englewood, NJ.
- United Nations (UN) (2008) Principles and recommendations for population and housing censuses. Revision 2. Statistical papers: series M No. 67/Rev.2. United Nations, New York, page 8: http://unstats.un.org/unsd/demographic/sources/census/docs/P&R_Rev2.pdf.
- United Nations (UN) Department of Economic and Social Affairs (2009) World population prospects: The 2008 revision. Population database: <http://esa.un.org/UNPP/index.asp?panel=2>.
- US National Institutes of Health (2010) Dr Joseph Goldberger and the war on pellagra: <http://history.nih.gov/exhibits/goldberger/index.html>.
- US National Institutes of Health, Office of Human Subjects Research (1949) Nuremberg Code: <http://ohsr.od.nih.gov/guidelines/nuremberg.html>. Reprinted from Trials of War Criminals before the Nuremberg Military Tribunals under Control Council Law No. 10, vol. 2. US Government Printing Office, Washington, DC, 1949: pages 181–2.
- US National Institutes of Health, Office of Human Subjects Research (1979) The Belmont Report: <http://ohsr.od.nih.gov/guidelines/belmont.html>.
- US National Institutes of Health, Office of Human Subjects Research (2004) World Medical Association Declaration of Helsinki: <http://ohsr.od.nih.gov/guidelines/helsinki.html>.
- US National Library of Medicine (2010) Medical Subject Headings (MeSH): <http://www.nlm.nih.gov/mesh/>.
- US Surgeon General's Advisory Committee on Smoking and Health, and US Public Health Service. Office of the Surgeon General (1964) Smoking and health. Publication no. 1103. US Public Health Service, Washington, DC.
- van der Ploeg, H.P., van Poppel, M.N., Chey, T., Bauman, A.E., Brown, W.J. (2010) The role of pre-pregnancy physical activity and sedentary behaviour in the development of gestational diabetes mellitus. *J Sci Med Sport* 14(2):149–52.
- van Langeveld, S.A., Post, M.W., van Asbeck, F.W., ter Horst, P., Leenders, J., Postma, K., Rijken, H., Lindeman, E. (2010) Contents of physical therapy, occupational therapy,

- and sports therapy sessions for patients with a spinal cord injury in three Dutch rehabilitation centres. *Disabil Rehabil* 33(5):412–22.
- Verhagen, A.P., de Vet, H.C., de Bie, R.A., Kessels, A.G., Boers, M., Bouter, L.M., Knipschild, P.G. (1998) The Delphi list: A criteria list for quality assessment of randomized clinical trials for conducting systematic reviews developed by Delphi consensus. *J Clin Epidemiol* 51(12):1235–41.
- Vessey, M.P. (1969) Epidemiological and public health aspects of oral contraceptives and thromboembolic disease. *J Clin Pathol Suppl* 3:62–6.
- Vollmann, J. and Winau, R. (1996) Informed consent in human experimentation before the Nuremberg code. *Br Med J* 313(7070):1445–9.
- Walker, F.O. (2007) Huntington's disease. *Lancet* 369(9557):218–28.
- Wallace, M.R. (2009) Rheumatic fever. eMedicine 13 April, <http://emedicine.medscape.com/article/236582-overview>.
- Waltonick, D.S. (1997) A selection from survival statistics. Designing and using questionnaires. StatPac, Inc., Bloomington, MN.
- Wand, A.P.F. and Eades, S.J. (2008) Navigating the process of developing a research project in Aboriginal health. *Med J Aust* 188(10):584–7.
- Wei, J., Nygaard, I., Richter, H., Brown, M., Barber, M., Xiao, Xu, Kenton, K., Nager, C., Schaffer, J., Visco, A., Weber, A.; Pelvic Floor Disorders Network (2009) Outcomes following vaginal prolapse repair and mid urethral sling (OPUS) trial—design and methods. *Clin Trials* 6(2):162–71.
- Wellek, S. (2003) Testing statistical hypotheses of equivalence. Chapman & Hall, CRC Press LLC, Virginia Beach, VA.
- Westerlund, T. and Bränstad, J.O. (2010) GPs' views on patient drug use and the pharmacist's role in DRP management. *Pharm World Sci* 32(5):562–5.
- White, K.L., Andjelkovic, D., Pearson, R.J.C., Mabry, J.H., Ross, A., Sagen, O.K. (1967) International comparisons of medical-care utilization. *N Engl J Med* 277:516–22.
- White, M.J., Young, R.M., Morris, C.P., Lawford, B.R. (2010) Cigarette smoking in young adults: The influence of the HTR2A T102C polymorphism and punishment sensitivity. *Drug Alcohol Depend* 114(2–3):140–6.
- Wilkinson, R. and Marmot, M. (eds) (2003) The solid facts: Social determinants of health. World Health Organization, Centre for Urban Health, Copenhagen.
- Winau, R. (2001) The human trial in medicine [*Der Menschenversuch in der Medizin*]. In Ebbinghaus, A. and Doerner, K. (eds), Destroy and heal. The Nuremberg doctors' trial and its consequences. Aufbau Verlag, Germany [*Vernichten und Heilen. Der Nuernberger Aerzteprozess und seine Folgen*].
- World Health Organization (WHO) (2010) Smallpox. Fact sheet. <http://www.who.int/mediacentre/factsheets/smallpox/en/>.
- World Health Organization (WHO) (2010a) Social determinants of health: http://www.who.int/social_determinants/the_commission/en/.
- Wynder, E.L. and Graham, E.A. (1950) Tobacco smoking as a possible etiologic factor in bronchiogenic carcinoma; a study of 684 proved cases. *JAMA* 143(4):329–36.

- Youlden, D.R., Cramb, S.M., Baade, P.D. (2007) Current status of lung cancer in Queensland: 1982 to 2004. Viertel Centre for Research in Cancer Control, Cancer Council Queensland, Brisbane.
- Young, D., Wilson, N., Borland, R., Edwards, R., Weerasekera, D. (2010) Prevalence, correlates of, and reasons for using roll-your-own tobacco in a high RYO use country: Findings from the ITC New Zealand Survey. *Nicotine Tob Res* 2010; 12(11):1089–98.
- Young, T., Palta, M., Dempsey, J., Skatrud, J., Weber, S., Badr, S. (1993) The occurrence of sleep-disordered breathing among middle-aged adults. *N Engl J Med* 328(17): 1230–5.
- Yu, D.T., Friedman, A.S., Rosenfeld, E.L. (2010) Electrical stimulation for treating chronic poststroke shoulder pain using a fully implanted microstimulator with internal battery. *Am J Phys Med Rehabil* 89(5):423–8.
- Zar, J.H. (2010) Biostatistical analysis. 5th edn. Prentice Hall, New Jersey.
- Zelen, M. (1979) A new design for randomized clinical trials. *N Engl J Med* 300:1242–5.
- Zimmermann, M.B. (2008) Research on iodine deficiency and goiter in the 19th and early 20th centuries. *J Nutr* 138:2060–3.

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