

CAROL PROPPER

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Employment

- 2007 - Professor of Economics, Imperial College Business School (50% time from Oct 2007)
1995 - Professor of Economics of Public Policy, Department of Economics, University of Bristol; 2002-4 Director, CMPO, University of Bristol (50% from Oct 2007).
1993-94 Reader, School for Policy Studies and Department of Economics University of Bristol
1993-94 Senior Economic Advisor to NHS Executive on Regulation of the NHS Internal Market 1993-94 (full time secondment to the Department of Health).
1988-93 Lecturer, School for Policy Studies and Department of Economics University of Bristol
1987-88 Lecturer in Economics, Brunel University
1986-87 Research Fellow, Centre for Health Economics University of York
1983-84 Research Economist, New Zealand Institute of Economic Research
1981-82 Research Officer, Nuffield College Oxford
1977-79 Community Worker, Islington, London

Other current affiliations

- 1997 ESRC Centre for Analysis of Social Exclusion, London School of Economics (Co-Director 1997-2007).
2004 Visiting Professor, SNF and HEB, University of Bergen
1998 Research Fellow, CEPR

Education

- 1977 BSc (Hons) Economics and Economic History University of Bristol
1981 MSc in Social Research and Social Policy, Oxford University (SSRC Award, 1979-81)
1982-83 PhD courses, University of Toronto, (Commonwealth Scholarship 1982-3)
1988 PhD in Economics, 1988, University of York (Smith-Kline Award, 1984-5)

Substantive policy advice

- 2007 Member of the UKCeMGA Health and Adult Social Care Quality Assurance Panel (QAP)
1993-94 UK Government: Senior Economic Advisor to NHS Executive on Regulation of the NHS Internal Market
1999-01 Incentives and Sanctions Group, Department of Health
2000-02 Adding it up Implementation Group Treasury
2003-05 Department of Health Steering Group for Measuring NHS Productivity
1992-97 European Union: ECuity project on health care reform 1992-;
COMAC-HSR Project on equity in healthcare finance and delivery 1992-1994;
Commission expert on Social Protection in Europe (DGV) 1991-3
1983 USAID/Government of Jamaica, Economic Consultant, Tax Reform Project Jamaica

Public service

- 2005- 2009 Economic and Social Research Council: Chair, Research Grants Board and Member of Council
- 2001 Economics and Econometrics Research Assessment Exercise 2001 Panel member
- 2001 Chair, Conference Programme, Royal Economic Society Conference 2001 (Member Programme Committee 1998-2001, Conference Committee 2000-2002)
- 2000-05 Council Member Royal Economic Society
- 1998-01 Chair, Royal Economic Society Committee on Women in Economics
- 1997-00 Member, ESRC Research Grants Board
- 2010 Awarded CBE, Queens Birthday Honours List for services to social sciences
- 2011 Arrow award for best paper published worldwide in health economics.

Editorial responsibilities

Editor, *Economic Journal Conference Supplement 2002*

Editorial Board Member: *Journal of Health Economics, Health Economics, B.E. Journals in Economic Analysis & Policy, Fiscal Studies 2000-2007, Economic Policy 2002-5, EJ Conference Supplement 2001,*.

Referee for journals including *American Economic Review, B.E. Journals in Economic Analysis & Policy, Economic Journal, Economica, Fiscal Studies, Health Economics, Journal of Health Economics, Journal of Human Resources, Journal of Public Economics, Journal of Social Policy, Oxford Bulletin, Social Science and Medicine.*

Major Research Grants

- 'The private medical insurance market in the UK' (with A K Maynard), Health Promotion Research Trust, £55,000, 1986-87
- 'The distributional consequences of changes in health care policy', ESRC, £34,000, 1990-91
- 'Purchasers, Providers and Contracts' (with W Bartlett), ESRC, £101,000, 1993-95
- 'Poverty Transitions' (with S Burgess), ESRC, £87,000, 1994-96
- 'An Investigation of Equity in the Distribution of Healthcare for Arthritis' (with G Davey-Smith), Nuffield Provincial Hospital Trust, £59,000, 1996-97
- 'Private Welfare' (with John Hills), Joseph Rowntree Foundation, £77,000, 1996-8
- 'Emergency admissions to hospital: an econometric analysis' (with B Croxson), Anglia and Oxford NHS RDD, £49,000, 1997
- 'Can Action by the NHS prevent Diabetic Eye Disease in the Socially Disadvantaged? (with G Davey-Smith and others). South and West NHS RDD, £93,000, 1998-9.
- 'Boundaries of the State' (with S Burgess, P Grout, I Jewitt, and I Tonks) Leverhulme Trust, £913,000, 1998-2003.
- 'Poverty Dynamics in Britain' (with S Burgess) ESRC £110,000, 1999-2001
- 'Private Medical Insurance in the UK' (with H Rees) ESRC £34,000, 1999
- 'Boundaries of the State II' (with S Burgess, P Grout, and I Tonks) Leverhulme Trust, £2m, 2001-2007.
- 'Examination of Poverty, readiness to learn and family circumstances' (with P Gregg and others), Department of Education, £260,000, 2001- 2003
- Centre for the Analysis of Social Exclusion (CASE, London School of Economics) ESRC (with J Hills, A Power, K Kiernan) £2.5m, 2002-2007
- 'Evaluation of Team Based Pay in the UK Civil Service' (with S Burgess), Evidence Based Policy Fund, UK Treasury, £170,000, 2002-2004.
- 'Neighbourhood Effects' (with S Burgess, K Jones, R Johnson) ESRC £240,000, 2002 - 2004

Centre for Market and Public Organisation (CMPO) ESRC Centre Competition (with S Burgess et al) ESRC £1m, 2004 – 2009, ESRC £4.4m 2009-2013.

'Socio-Economic Inequalities in Childhood Outcomes' (with P Gregg at al). ESRC Large Grants Competition £3.9m, 2006-2011.

'Competition in Health Care'. Department of Health £0.5m, 2007-2010. Extension 2010-2011 £140K.

Current teaching

Graduate public economics; graduate health economics; PhD and MSc dissertation supervision.

Refereed articles

Burgess, S, Propper, C, Ratto, M, Scholder, S, Tominey, E. Smarter Task Assignment or Greater Effort: What Makes a Difference in Team Performance (2010), *Economic Journal* Volume 120, Issue 547, 968-989.

Propper, C and Van Reenen, J (2010) "Can Pay Regulation Kill? Panel Data Evidence on the Effects of Labour Markets on Hospital Performance" *Journal of Political Economy* Volume 118, Number 2, 222-273.

Propper, C, Sutton, M, Whitnall, Windmeijer, F. (2010) Incentives and Targets in Hospital Care: Evidence from a Natural Experiment, *Journal of Public Economics*, 94, 318-335.

Johnston, D, Propper, C and Shields, M (2010). Comparing Subjective and Objective Measures of Health: Evidence from Hypertension for the Income/Health Gradient, *Journal of Health Economics* 28(3).

Atkinson, A, Burgess, S, Croxson, B, Gregg, P, Propper, C Tominey E. (2009) Evaluating the impact of Performance related Pay for Teachers in the UK, *Labour Economics* 16 (3).

Janke, K, Propper, C, Henderson J. (2009). Do current levels of air pollution kill? The impact of air pollution on population mortality in England. *Health Economics*

Monstad, K, Propper, C, Salvanes, S. (2008). The Impact of Education on fertility. *Scandinavian Journal of Economics* 110(4)

Burgess, S, Propper, C, Johnson, D, Wilson, D. (2008). The transition of pupils from primary to secondary school in England. *Transactions of the Institute of British Geographers* 33 (3): 388-403.

Propper, C, Halonen, M. (2008). Competition and Decentralisation in Government Bureaucracies. *Journal of Economic Behaviour and Organisation* 67:903–916.

Propper, C, Sutton, M, Whitnall, C., Windmeijer, F. (2008). Did targets and terror reduce waiting times for hospital care in England, *The BE Journal of Economic Analysis and Policy*, Issue 8, 2, Paper 5.

Burgess, S, Propper, C, Gregg, P, Washbrook, E, (2008). Maternity Rights and Mother's return to work. *Labour Economics* 15: 168-201

Burgess, S, Propper, C, Gossage, D, (2008). Competition and Quality: Evidence from the NHS Internal Market 1991-99. *Economic Journal* 118:138-170

Rigg, J, Propper, C, Burgess, S, (2007). Child Health: Evidence on the roles of Family Income and Maternal Mental Health from a UK birth cohort. *Health Economics* 16 (11): 1245-1269

Burgess, S, Bolster, A, Propper, C, Johnston, R, Jones, K, Sarker, R, (2007). Neighbourhoods, Households and Income Dynamics: A semi-parametric investigation of Neighbourhood Effects. *Journal of Economic Geography* 7:1-38.

Propper, C, Damiani, M, Leckie, G, Dixon, J (2007). The impact of patients' socioeconomic status on the distances travelled for hospital admissions in the English NHS. *Journal of Health Services Research and Policy* 12, 3: 153-159.

Burgess, S, Wilson D, Propper, C, (2007). The impact of school choice in England: implications from the economic evidence. *Policy Studies*, 28 (2): 129 -143.

Johnston, R, Propper, C, Jones, K, Burgess, S, Region, (2007). Local Context and Voting at the 1997 General Election in England. *American Journal of Political Science* 51 (3): 640-654.

- Propper, C, Burgess, S, Bolster, A, Leckie, G, Jones, K, Johnston, R (2007). The impact of neighbourhood on the income and mental health of British social renters. *Urban Studies* 44 (2): 393-416
- Aassve, A, Burgess, S, Propper, C, Dickson M (2006). Employment, Family Union, and Childbearing Decisions in Great Britain. *Journal of Royal Statistical Society A* (4): 781-804
- Burgess, S, Propper, C, Wilson, D (2006). Extending Choice in English Health Care: The implications of the economic evidence. *Journal of Social Policy* 35 (4):537-557.
- Burgess, S, Dickson, M, Propper, C (2006). The Analysis of Poverty Data with Endogenous Transitions. *Fiscal Studies* 27 (1):75- 98.
- Burgess, S, Gardiner, K, Propper, C (2006). School, family and county effects on adolescents' later life chances. *Journal of Family and Economic Issues* 27 (2): 155-184.
- Propper, C, (2005). Why Economics is Good for your Health, *Health Economics* 14 (10): 987-998.
- Jones, K, Bolster, A, Johnston, R, Burgess, S, Propper, C, Sarker, R, (2005). Why Economics is Good for your Health: Evidence for the UK. *Social Science and Medicine* 61 (10): 2065-2083.
- Propper, C, Eachus, J, Chan, P, Pearson, N, Davey Smith, G, (2005). Access to health care resources in the UK: the case of care for arthritis. *Health Economics* 14:391-406.
- Gregg, P, Washbrook, E, Propper, C, Burgess, S (2005). The Effects of a mother's return to work decision on child development in the UK. *Economic Journal* 115: F48-80.
- Damiani, M, Dixon, J, Propper, C, (2005). Mapping Choice in the NHS: Analysis of Routine data *British Medical Journal* 330, 7486: 284.
- Johnston, R, Propper, C, Burgess, S, Sarker, R, Bolster, A, Jones, K, (2005). Spatial Scale and the Neighbourhood Effect: Multinomial Models of Voting at Two Recent British General Elections *British Journal of Political Science*.
- Johnston, R, Burgess, S, Propper, C, Sarker, R, Bolster, A, Jones, K, (2005). A missing level in the analysis of British voting behaviour: the household as a context as shown by analyses of a 1992-1997 longitudinal survey. *Electoral Studies* 24: 201-225.
- Propper, C, Burgess, S, Green, K, (2004). Does Competition between hospitals improve the quality of care? Hospital death rates and the NHS Internal Market. *Journal of Public Economics* 88: 1247-1272
- Burgess, S, McConnell, B, Propper, C, Wilson, D, (2004). Girls Rock, Boys Roll: An Analysis of the Age 14-16 Gender Gap in English Schools. *Scottish Journal of Political Economy* 51(2): 209-229.
- Johnston, R, Jones, K, Burgess, S, Propper, C, Sarker, R, Bolster A, (2004). Scale, Factor Analysis & Neighbourhood Effects. *Geographical Analysis* 36, (4): 350-368.
- Aassve, A, Propper, C, Burgess, S, (2003). Income and the transitions to Marriage and Divorce amongst Young Americans. *Journal of Population Economics*, 16(3): 455- 475.
- Bachmann, M, Propper, C, Eachus, J, Hopper, CD, Davey Smith, G, Frankel, S, Pearson, N, Williams, S Tallon D, Frankel, S, (2003). Socioeconomic inequalities in diabetes complications, control, attitudes and health service use: evidence from the Somerset and Avon survey of health: a cross-sectional study. *Diabetic Medicine*, 20(11): 921-929.
- Propper, C, Wilson, D, (2003) The Use and Usefulness of Performance Measures *Oxford Review of Economic Policy* 19 (2): 250-267.
- Burgess, S, Propper, C, Rees, H, Shearer, A (2003). The Class of '81: The effects of early-career unemployment on subsequent unemployment experiences *Labour Economics* 10(3): 291- 311.
- Aassve, A, Burgess, S, Chesher, A, Propper, C. (2002) Transitions to marriage of young Americans. *Journal of Applied Econometrics* 17(1): 1 – 23.
- Propper, C, Croxson, B, Shearer, A. (2002) Waiting times for hospital admissions: the impact of GP fundholding. *Journal of Health Economics* 21: 227-252.
- Propper, C, Green, K .(2001) A larger role for the private sector in financing UK health care: The arguments and the evidence. *Journal of Social Policy* 30: 685-704.

- Propper, C, (2001). Expenditure on health care in the UK: A review. *Fiscal Studies* 22: 151-184.
- Propper, C Rees, H (2001) The demand for private insurance in the UK: A Cohort Analysis. *Economic Journal* 111 (471): 180-C200
- Croxson, B, Perkins, A, Propper, C, (2001) Do Doctors Respond to Financial Incentives: UK family Doctors and the GP Fundholder Scheme. *Journal of Public Economics* 79: 375-398.
- Propper, C, (2000) The Demand for Private health care in the UK. *Journal of Health Economics* 19 (6): 855-876.
- Propper, C, van Doorslaer, E, et al, (2000). Equity in the Delivery of Health Care in Europe and the US. *Journal of Health Economics* 19 (5): 553-584.
- Burchardt, T, Propper, C, (1999). Does the UK have a private welfare class? *Journal of Social Policy* 28 (4): 643-665.
- Propper, C, Wagstaff, A, et al (1999). Redistributive effect, progressivity and differential tax treatment: Personal income taxes in 12 OECD countries). *Journal of Public Economics* 72 (1): 73-98.
- Propper, C, Wagstaff, A, et al, (1999). The redistributive effect of health care finance in twelve OECD countries *Journal of Health Economics* (18): 291-314.
- Propper, C, Wagstaff, et al, (1999). A Equity in the finance of health care: some further international comparisons. *Journal of Health Economics* (18): 263-290.
- Eachus, J, Chan, P, Pearson, N, Propper, C, Davey-Smith, G, (1999). An additional dimension to health inequalities: disease severity and socio-economic position. *Journal of Epidemiology and Community Health* 53, 603-611.
- Propper, C, Wilson, D, Soderlund, N, (1998). The effects of regulation and competition in the NHS internal market: the case of GP Fund-Holder prices. *Journal of Health Economics* 17 (6): 645-674.
- Burgess, S, Propper, C, (1998). Early Health Related Behaviours and their Impact on Later Life Chances: Evidence from the US. *Health Economics* 7(5): 381-400
- Soderlund, N, Propper, C, (1998). Competition in the NHS internal market: An overview of its effects on Hospital Prices and Costs. *Health Economics* 7, 187-197.
- Propper, C, van Doorslaer E et al (1997). Income-related inequalities in health: some international comparisons. *Journal of Health Economics* 16, 93-112.
- Propper, C, (1996). Market structure and prices: the responses of hospitals in the UK National Health Service to Competition. *Journal of Public Economics* 61, 307-335
- Propper, C, (1995). The disutility of time spent on NHS waiting lists, *Journal of Human Resources* 30 (4): 677-701.
- Propper, C, (1995). Do we need an Of health? *British Medical Journal* 6995 (310): 618-9
- Propper, C, (1995). Agency and incentives in the NHS internal market. *Social Science and Medicine*, 40 (12): 1683-1690.
- Propper, C, (1995). Regulatory reform of the NHS internal market. *Health Economics* 4 (2): 77-83
- Propper, C, (1994). Equity in the NHS: A review of the evidence. *Economic and Social Review* 25 (4): 343-365.
- Propper, C, (1993). Constrained Choice Sets in the UK demand for private medical insurance. *Journal of Public Economics* (51): 287-307.
- Propper, C, (1993). A cell based approach to modelling public expenditure, *Health Economics* 2, (2):
- Propper, C, Upward, R, (1992). Need, Equity and the NHS: The distribution of health care expenditure 1974-87, *Fiscal Studies* 13 (2): 1-21.
- Propper, C, Wagstaff, A, van Doorslaer, E, et al, (1992). Equity in the finance of health care; some international comparisons. *Journal of Health Economics* 11, 361-387.
- Propper, C, Wagstaff, A, van Doorslaer, E, et al, (1992). Equity in the delivery of health care; some international comparisons *Journal of Health Economics* 11, 389-411.
- Propper, C, O'Donnell, O, (1991). Equity and the distribution of NHS resources. *Journal of Health Economics*, 10, 1-20.

- Propper, C, O'Donnell, O, (1991). Reply: Equity and the delivery of UK NHS resources. *Journal of Health Economics*, 10, 247-249.
- Propper, C, Bosanquet, N, (1991). Charting the grey economy in the 1990s. *Policy and Politics* 19, (4): 269-281.
- Propper, C. (1990) Contingent valuation of time spent on NHS waiting lists. *Economic Journal* 100, 400: 193-200.
- Propper, C, (1989). Econometric estimation of the demand for private health insurance in England and Wales, *Applied Economics*, 21, 777-792.
- Propper, C, Breakwell, G, Harrison, B, (1984). Attitudes towards the unemployed: Effects of threatened identity, *British Journal of Social Psychology* 23, (1): 87-88.
- Propper, C, Breakwell, G, Harrison, B,(1984). Explaining the psychological effects of unemployment for young people: the importance of specific situational factors. *British Journal of Guidance and Counselling* 12, (2): 132-140.

Books, edited books and book chapters

- Propper, C and Leckie, G (2011) Increasing competition between providers in health care markets: the economic evidence in Glied, Sherry and Smith Peter (eds) *The Oxford Handbook of Health Economics*. OUP: Oxford.
- Propper, C, Le Grand, J, Smith, S (2008). *The Economics of Social Policy* 4rd Edition. London: Macmillan
- Propper, C, Alcock, P, May, M, Rowlinson, K (eds) (2008) Efficiency, Equity and Choice in *The Students Companion to Social Policy (3rd edn)* Oxford: Blackwell.
- Propper, C, Burgess, S, Wilson, D, McConnell, B, (2007) 'The impact of school choice on sorting by ability and socio-economic factors in English secondary education. Cited in: P Peterson and L Woessman (eds), *Schools and the equal opportunity problem*, MIT Press
- Propper, C, Wilson, D, (2006) The use of performance measures in health care systems in Jones, A (ed) *The Elgar Companion to Health Economics*. London: Edward Elgar. 2nd edition under preparation.
- Cullis, J, Jones, P, Propper, C. (2000) Waiting Lists *Handbook of Health Economics* (eds.) A Culyer and J Newhouse, North Holland.
- Propper, C, Burgess, S. (1999) Poverty in Britain. Cited in: P Gregg and J Wadsworth (ed.) *State of Working Britain*, Manchester, MUP.
- Propper, C, Burgess, S, (1997) Young Americans and Poverty 1979-91 Cited in: P Gregg (ed.) *Jobs, Wages and Poverty: Patterns of Persistence and Mobility in the New Flexible Labour Market*. London: Centre for Economic Performance LSE.
- Propper, C, Bartlett, W (1997) Competition, Contracts and NHS Trusts. Cited in R Flynn and G Williams (Eds.) *Contracting for Health*. OUP.
- Propper, C, (1997) Efficiency, Equity and Choice. Cited in P Alcock and M May (Eds.) *The Students Companion to Social Policy*. Blackwell.
- Propper, C, (1995) Regulation and the NHS. Cited in A Harrison (ed.) *Health Care UK 1994/5*. London. Kings Fund.
- Propper, C, (1995) For richer, for poorer, in sickness and in health: the lifetime distribution of health care. Cited in J Falkingham and J Hills (Eds.) *The Dynamic of Welfare*. London: Harvester Wheatsheaf.
- Propper, C, (1994) *Quasi-Markets: the Emerging Findings* (joint editor, and joint author of Introduction and Conclusion). Bristol. SAUS, University of Bristol July. 7
- O'Donnell, O, Propper, C, Upward, R, (1993) Equity in the Delivery and Finance of Health Care in Britain. Cited in: van Doorslaer, A Wagstaff and F Rutten (Eds.) *Equity in the Finance and Delivery of Health Care: An International Perspective*. Oxford. OUP.

- Propper, C, (1993) Quality, Contracts and Quasi-Markets, Cited in: W Bartlett and J Le Grand (Eds.) *Quasi-Markets and Social Policy*. Houndmills: Macmillan.
- Propper, C, (1993) Is there a case for further regulation of health and social care markets? Cited in: W Bartlett and J Le Grand (eds.) *Quasi-Markets and Social Policy*. Houndmills. Macmillan.
- Propper, C, (1993). Forecasting health expenditure using a micro-simulation model. Cited in R Hancock and H Sutherland (eds.) *Micro-simulation models for public policy analysis: new frontiers*. London: London School of Economics Sticerd Occasional Paper 17
- Propper, C, (1992). *The Economics of Social Policy*. Cited in J Le Grand and R Robinson. 3rd Edition. London, Macmillan.
- Propper, C, (1991). Health Insurance Purchase: An Example of Enterprise Culture? (with A Eastwood). Cited in J Hutton et al (eds.) *From the Culture of Enterprise to the Culture of Dependency*. London, Routledge.
- Propper, C, (1990). *The Quality of Life: Perspectives and Policies* (editor with S Baldwin and C Godfrey). London: Routledge
- Baldwin, S, Godfrey, C, Propper, C, (1990). Introduction, (eds.) *The Quality of Life: Perspectives and Policies*. London, Routledge.
- Propper, C, (1990). Whither the Private Health Care Sector? (with Alan Maynard). Cited in: A Culyer, J Posnett and A Maynard (eds.) *Competition in Health Care: Reforming the NHS*. Houndmills: Macmillan.

Articles in professional journals

- Propper, C, (1997). The equity implications of the National Health Service Reforms in the UK, *Focus 18*, 3 University of Wisconsin-Madison.
- Propper, C, Hopkins, A, (1994). Regulation of the market in the new NHS: An overview. Cited in: A Hopkins (ed) *Regulation of the Market in the NHS: Competition and the Common Good*. London: RCP Publications.
- Propper, C, (1993). Incentives in the new UK health care market. *The Economic Review 10* (3): 15-19
- Propper, C, Means, R, (1991). What future for elderly people in the 1990s? *Housing and Planning Review 26-27*
- Propper, C, (1990). The ageing 1990s - good-bye to the WOOPIES and JOLLIES? *Town and Country Planning 59*, (7/8): 212-214.
- Propper, C, (1989). Working for Patients: The Implications of the NHS Review for the Private Sector, *Cardiology Management 2*, (4).
- Propper, C, (1989). Private Health Insurance Purchase, *THS Health Summary 6*, 3.
- Propper, C, (1989). The Private Deal, *Health Service Journal 99*, 5145, 426.
- Propper, C, Breakwell, G, Harrison, B (1982). The Psychological Benefits of YOPS, *New Society 61*, 1036: 494-496.

Reports

- Propper, C, Grout, P, Jenkins A, (2000). A review of benchmarking and its application to the NHS London: Office of Health Economics.
- T Burchardt, T, Hills J, Propper, C (1999). *Private Welfare and Public Policy*. York: Joseph Rowntree Foundation
- Propper, C, (1998) *Who Pays for, Who gets Health Care: Equity in the Finance and Delivery of Health Care in the UK*. Nuffield Provincial Hospitals Trust

- Propper, C, Bosanquet, N, Laing ,W. *Analysis of the Rise in Employment Tribunal Applications*, Department of Trade and Industry
- Bosanquet, N, Laing ,W, Propper, C, (1990). *Elderly Consumers in Britain: Europe's Poor Relations* London: Laing and Buisson.
- Propper, C, Marks, P, (1984). *Domestic, Trans-Tasman and International Air Passenger Forecasts, 1981-1993*. Wellington, New Zealand, Ministry of Transport.
- Propper, C, (1984). *Valuing Human Life: An Economic Evaluation of Current Methodologies*. Wellington: New Zealand National Roads Board, Road Research Unit
- Easton, B, Propper, C, Wilson, (1984). *N Subsidization of Urban Transit Networks: A Theoretical Analysis of the Economic Benefits and a Methodology for Apportioning the Benefits* Wellington: New Zealand Urban Transport Council.