

CURRICULUM VITÆ

ADRIANA CASTELLI

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Present position (since 2004):

Research Fellow, Centre for Health Economics, University of York.

Previous posts:

2001-2002, Research Fellow for the EU project 'Rationing of Medical Services in Europe: An Empirical Study', Department of Economics and Related Studies, University of York.

1996-1999. Junior Research Assistant, Research Centre CeSPEL, (Centro per lo Studio dei Problemi dell'Economia del Lavoro - Centre for the Analysis of Labour Market Related Problems), Università L. Bocconi, Milan, Italy.

Qualifications:

Doctor of Philosophy in Economics, Department of Economics and Related Studies, University of York, 2008.

MSc in Economics, Department of Economics and Related Studies, University of York, 2001.

Diploma di Laurea in Economia Politica (Degree in Economics), Università L. Bocconi, Milan, Italy, Result: 110/110 (equivalent to a 1st class degree).

Research activity:

On going projects

- "Measuring NHS outputs, inputs and productivity", funded by the Department of Health.
- "Measuring efficiency for hip fracture treatment in England at Local Authority level", an ESHCRU work stream project funded by the Department of Health.
- "Exploring the concept of avoidable mortality as a measure of quality of health care", funded by the Department of Health.

Concluded projects

- "Examining variations in hospital outputs, inputs and productivity", funded by the Department of Health.
- "Exploring the impact of public services on quality of

life indicators”, funded by ESRC under the Public Service Programme.

- “Quest for Quality and Improved Performance (QQuIP)”, funded by the Health .
- “Measurement of NHS outputs and productivity”, a major project funded by the Department of Health.

Publications

(i) Books and Reports

Bojke C., **Castelli A.**, Grašič K., Street A. Productivity of the English National Health Service from 2004/5: updated to 2011/12. Centre for Health Economics, University of York; [CHE Research Paper 94](#), pp. 40, 2014.

Bojke C., **Castelli A.**, Grašič K., Street A., Ward P. NHS productivity from 2004/5 to 2010/11. Centre for Health Economics, University of York; [CHE Research Paper 87](#), pp. 38, 2013. Accompanying spreadsheet [National Productivity \(MS Excel\)](#) and [Press Release 87](#).

Bojke C., **Castelli A.**, Goudie R., Street A., Ward P. Productivity of the English National Health Service 2003-4 to 2009-10. Centre for Health Economics, University of York; [CHE Research Paper 76](#), pp. 53, 2012.

Castelli A. and Nizalova O., Avoidable mortality: what it means and how it is measured: Centre for Health Economics, University of York, [CHE Research Paper 63](#), pp. 44, 2011.

Bojke C., **Castelli A.**, Laudicella M., Street A., Ward P., Regional variation in the productivity of the English National Health Service: Centre for Health Economics, University of York, [CHE Research Paper 57](#), pp. 42, 2010.

Castelli A., Jacobs R., Goddard M. *Exploring the impact of public services on quality of life indicators*: Public Services Programme: Quality, Performance & Delivery, Discussion Paper DP0902, 2009.

Castelli A., Jacobs R., Goddard M., Smith PC., Exploring the impact of public services on quality of life indicators, Centre for Health Economics, University of York. [CHE Research Paper 46](#), pp. 148, 2009.

Castelli A., Laudicella M., Street A., Measuring NHS output growth, Centre for Health Economics, University of York, [CHE Research Paper 43](#), pp. 62, 2008.

Castelli A., and Smith PC., Treatment of circulatory disease in the NHS - Measuring trends in hospital costs and output, QQUIP - Quest for Quality and Improved Performance. The Health Foundation, pp.84, 2007.

Castelli A., and Smith PC., Cardiovascular diseases: measuring trends and output growth of NHS activity. Centre for Health Economics, university of York, [CHE Research Paper 21](#), pp. 68, 2006.

Dawson, D., Gravelle, H., O'Mahony, M., Street, A., Weale, M., **Castelli, A.**, Hardman, G., Jacobs, R., Kind, P., Martin, S., Stevens, P., Stokes, L., Developing new approaches to measuring NHS outputs and productivity, Centre for Health Economics, University of York, [CHE Research Paper 6](#), pp. 216, 2005.

Dawson, D., Gravelle, H., O'Mahony, M., Street, A., Weale, M., with the assistance of **Castelli, A.**, Jacobs, R., Martin, S., Stevens, P., Stokes, L. Developing new approaches to measuring NHS outputs and productivity. Improving Estimates of the NHS Output Growth: Experimental Quality Adjustments. Third Interim Report to the Department of Health, pp. 91, 2005.

Dawson, D., Gravelle, H., O'Mahony, M., Street, A., Weale, M., with the assistance of **Castelli, A.**, Hennessy, S., Jacobs, R., Macran, S., Quinn, C., Stevens, P., Stoke, L., Developing new approaches to measuring NHS outputs and productivity: data for productivity estimates, Second Interim Report, Centre for Health Economics, University of York, [CHE Technical Paper Series no. 34](#), pp.148, 2004.

Dawson, D., H. Gravelle, P. Kind, M. O'Mahony, A. Street, M. Weale, with the assistance of **Castelli, A.**, Hennessy, S., Jacobs, R., Macran, S., Quinn, C., Stevens, P., Stoke, L., Developing new approaches to measuring NHS outputs and productivity. First Interim Report, Centre for Health Economics, University of York. First Interim Report. [CHE Technical Paper Series no. 31](#), pp. 164, 2004.

(ii) Chapters in Books

Castelli A., National Schedule of Reference Costs data: Community Care services, in Curtis, L. (compiled by), Unit Costs of Health & Social Care 2008, PSSRU University of Kent, 2008.

Culyer, A.J. and **Castelli, A.**, Rationing Health Care in Europe – The United Kingdom, in Graf von der Schulenberg, J.-M. and Blanke M. (ed.), Rationing of Medical Services in Europe: An Empirical Study, Amsterdam: IOS Press, p. 255-305,2004.

Castelli A., Background Report for the OECD Territorial Reviews – Bergamo Italy. Contribution limited to chapter 4, Part II, p. 139–146. Paris Cedex: OECD Publications Service, 2001.

(iii) Articles in Journals

Castelli A., Street A., Verzulli R., Ward P. Examining variations in hospital productivity in the English NHS. *European Journal of Health Economics* 2014; doi: 10.1007/s10198-014-0569-5 (Article published online: 22 Feb 2014).

Castelli A., Jacobs R., Goddard M., Smith PC. Health, policy and geography: insights from a multi-level modelling approach. *Social Science & Medicine* 2013; 92:61-73; doi: 10.1016/j.socscimed.2013.05.021.

Bojke C., **Castelli A.**, Laudicella M., Street A., Ward P. Regional variation in the productivity of the English National Health Service. *Health Economics* 2013; 22(2):194-211. (Article first published online: 14 FEB 2012 DOI: 10.1002/hec.2794)

Castelli A., Laudicella M., Street A., Ward P. Getting out what we put in: productivity of the English NHS. *Health Economics, Policy and Law* 2011; 6 (3):313-335. [Download from Cambridge Journals](#) ©Cambridge Journals. (Article first published online: 28 October 2010).

Castelli, A., Dawson D., Gravelle H., Jacobs R., Kind P., Loveridge P., Martin S., O'Mahony M., Stevens P., Stokes L., Street A. and Weale M., A new approach to measuring health system output and productivity, *National Institute Economic Review*, No. 200, p. 105-117, 2007.

Castelli A., Dawson D, Gravelle H, Street A., Improving the measurement of health system output growth, *Health Economics*, 16(10):1091-107, 2007.

Street A., **Castelli A.**, Dawson D., and Gravelle H., Challenges in measuring and valuing health service output, *Revista Española Economía de la Salud*, Vol. 4, n. 6., p. 335-360, 2006 (in Spanish).

Castelli A., Dawson D., Gravelle H., Street A., The challenges of measuring government output in the healthcare sector, *Social Policy Review* 17, p. 183-202, 2005.

(iv) Policy Discussion Briefing, Research Bulletin & Other publications

Street A. and **Castelli A.** Eliminating poor productivity is key to NHS improvement, Health Service Journal, 13th March 2014.

Bojke C., **Castelli A.**, Laudicella M., Street A. and P. Ward, Improving the Productivity of the English NHS. Research Bulletin, Centre for Health Economics, University of York, 2011.

Castelli A., Jacobs R., Goddard M., Smith PC., Geographical variation in quality of life: The role of public service organisations. Policy Discussion Briefing, Centre for Health Economics, University of York, 2009.

Other research activities and distinctions

Awards

1998/99 Awarded the 'Roberto Tremelloni and Lorenzo Lanzarone' prize for best undergraduate dissertation competition of the academic year.

Seminar and Conference Presentations

Bojke C., **Castelli A.**, Grašič K., Street A., Does national policy have an impact on NHS productivity? Paper presented at the 83rd Health Economists' Study Group Meeting, University of Sheffield, 8-10 January 2014.

Castelli A., Daidone S., Jacobs R., Kasteridis P., Street A., Examining variations in patient costs along the hip fracture care pathway. Paper presented at the 81st Health Economists' Study Group Meeting, University of Exeter, 9-11 Jan 2013.

Castelli A., Daidone S., Jacobs R., Street A., Examining variations in provider costs in the hip fracture care pathway. Paper presented at the European Conference on Health Economics, Zurich, Switzerland, 18-21 July 2012.

Castelli A. Measuring NHS outputs, inputs and productivity, paper presented at the Institut de Recherche et Documentation en Economie de la Santé (IRDES), Paris, October 2011.

Castelli A. Measuring NHS outputs, inputs and productivity. Paper presented at the Institute of Health Policy, Management and Evaluation, Faculty of Medicine, University of Toronto, Toronto, July 2011.

Bojke C., **Castelli A.**, Nizalova O., Exploring the concept of 'avoidable mortality' as a quality indicator for NHS hospital output: the case of circulatory diseases in England. Paper presented at the iHEA conference 'Transforming Health & Economics', Toronto, 10-13 July 2011.

Castelli A. Measuring NHS outputs, inputs and productivity, paper presented at the Health Economics Research Unit (HERU), University of Aberdeen, March 2011.

Bojke C., **Castelli A.**, Nizalova, O., Exploring the concept of 'avoidable mortality' as a quality indicator for NHS hospital output: the case of circulatory diseases in England. Paper presented at the 78th Health Economists' Study Group Meeting, University of York, 5-7 January 2011.

Castelli A. Measuring NHS productivity. Paper presented at Bocconi University Seminar, October 2010.

Castelli A. (with Street A.) session organiser at the 8th European Conference on Health Economics, Helsinki, Finland, 7-10 July 2010. Session's title: 'Measuring health and social care output and productivity: a European perspective'. Paper presented within the session, Getting out what we put in: how productive is the NHS in England?

Castelli A., Laudicella M., Street A., Ward P., Getting out what we put in: how productive is the NHS in England?. Paper presented at the 75th Health Economists' Study Group Meeting, University of Sheffield, 22-24 July 2009.

Castelli A., Jacobs R., Goddard M., Smith PC., Can public service organisations influence quality of life?. Paper presented at Health Economics Resource Group, Brunel University, June 2009.

Castelli A., Jacobs R., Goddard M., Smith PC., Can public service organisations influence quality of life?. Paper presented at the 'Multivariate Methods and Models for Evaluating Public Services' Conference in Rimini, Università di Bologna, 25-26 May 2009.

Castelli A., Jacobs R., Goddard M., Smith PC., Exploring the impact of public services on quality of life indicators: the case of health. Paper presented at the 2nd Joint British HESG and Nordic HESG conference, University of Aberdeen, 27-29 August 2008.

Castelli A., Jacobs R., Goddard M., Smith PC., Exploring the impact of public services on quality of life indicators: the case of health. Paper presented at the 7th European Conference on Health Economics, Università Tor Vergata, Rome (Italy), 23-26 July 2008.

Castelli A. and Smith PC., Circulatory disease in the NHS: measuring trends in hospital costs and outputs. Paper presented at the 72nd Health Economists's Study Group, University of East Anglia, January 2008.

Castelli A., A New Approach to Measuring NHS Output and Productivity. Paper presented at the 6th European Conference on Health Economics, Corvinus University, Budapest (Hungary), 6-9 July 2006.

Castelli A., Discussion of Or, Z and D. Polton. Is decentralization good for your health? Evidence from industrialized countries. 2nd British-French CES-HESG meeting on health economics, City University London, 4-6 January 2006.

Castelli A., Dawson D., Gravelle H., Street A. Knowing the cost of everything, the value of nothing? Challenges in measuring NHS output growth. Paper presented at the 2nd British-French CES-HESG meeting on health economics, City University London, 4-6 January 2006.

Castelli A., Equity in the delivery of health care in Great Britain: the impact of decentralization. Paper presented at the International Health Economics Association conference, Barcelona, 10-13 July 2005.

Castelli A., Dawson D., Gravelle H., Street A. Knowing the cost of everything, the value of nothing? Challenges in measuring NHS output growth. Poster presentation at the International Health Economics Association conference, Barcelona, 10-13 July 2005.

Castelli A., Decentralization and Equity in Health Care delivery. Paper presented at York Seminars in Health Econometrics, University of York, March 2005.

Castelli A., Rationing Health Care in Europe – Views from the United Kingdom, Empirical survey. Paper presented at the Department of Economics, Università di Bologna (Italy). January 2004.

Other Conferences

- 80th Health Economists' Study Group Meeting, University of Oxford, June 2012.
- 6th International Health Economics Association World Congress, Copenhagen (Denmark), July 2007.
- 69th Health Economists' Study Group Meeting, University of York, York, July 2006.
- A Conference to Celebrate the Work of Alan Williams, Centre for Health Economics, University of York., July 2006.
- 'Measuring governments outputs and productivity', one-day conference organized jointly by The Royal Statistical Society and National Institute for Economic and Social Research, The Royal Statistical Society, London (UK), November 2005.

- Public Economics two-day Conference 2003, Public Economics Working Group, University of Warwick, May 2003.
- AIES Bologna National Congress, Healthcare sector frontiers: institutional devolution and organisational experiments (Le frontiere della Sanità tra decentramento istituzionale e sperimentazioni gestionali), September 2002.
- Public Economics two-day Conference 2002, Public Economics Working Group, University of Warwick, May 2002.

Workshops and Courses

- Index Number Theory course, organised by the Office for National Statistics (ONS), Newport, 15 June 2011.
- SAS Macro Language 1: Essentials, organised by SAS corporation, London 21 – 22 February 2011.
- Measuring the Quality of Long-Term Care, organised by London School of Economics and European Commission, London 21 May 2010.
- Health Care Analysis Advisory Forum, organised by the Department of Health (England), Wellington House, London 16 Feb 2010.
- Multilevel Modelling, course organized by Royal Statistical Society, presented by Goldstein, H. and Steele, F., London 21-22 June 2007.
- Panel/Longitudinal Data Analysis, course organized by ESRC National for Research Methods at The Institute for Fiscal Studies, University College London, and presented by Windemejer F., 9-10 November 2006.
- Policy Evaluation in Social Sciences, course organized by the ESRC National Center for Research Methods. Bristol, 20th -21st December 2005.
- An introduction to measuring efficiency in public sector organisations: analytical techniques and policy, Workshop organised by the Centre for Health Economics, University of York, January 2005.
- Equity in health and health care: measurement and explanation, Summer School 2004, Department of Economics, Instituto Superior de Economia e Gestao, Lisbon, Portugal. Course taught by Eddy van Doorslaer, Erasmus University, Rotterdam, The Netherlands. July 2004.

- Using government surveys for research, organised by the Economic and Social Data Service - Government, University of Manchester, Manchester, June 2004.
- Analysing hierarchical survey data, organised by the Economic and Social Data Service - Government, University of Manchester, Manchester, June 2004.
- Weighting the Social Surveys, Royal Statistical Society, organised by the Economic and Social Data Service (ESDS), London, March 2004.

Research Funding

- Bojke C, **Castelli A**, Street A. 2011. Measuring productivity in the NHS. Department of Health, £800,000 (3 year project).
- **Castelli, A**, Laudicella M, Street A. 2007. Measuring productivity in the NHS. Department of Health, £155,000.
- **Castelli, A.**, 2007 – 2008, Exploring the use of avoidable mortality measure to quality adjust output growth indices of healthcare activity, Pump Priming Funds, University of York, £5,000.
- **Castelli, A.**, 2002 -2004 Decentralization of health care, theoretical and empirical contributions. University of Bologna (Italy). Approximate amount € 36,000.

Reviewer for the following journals

- Journal of Health Economics.
- Bulletin of Economic Research.
- Health Economics.
- Oxford Bulletin of Economics and Statistics.
- Journal of Health Organization and Management.

Other reviewing activity

- Study Design review for EU funded project 'Life Table Analysis: health system cost-effectiveness assessments across Europe', Tender n. EAHC/2013/Health/05.
- Department of Health.

- Member of the Scientific Committee for the 9th European Conference on Health Economics conference, Zurich, Switzerland, 18-21 July 2012.
- Member of the Scientific Committee for the iHEA conference 'Transforming Health & Economics', Toronto, Canada, 10-13 July 2011.
- Member of the Scientific Committee for the Health Economists' Study Group Conference, York, January 2011.
- Member of the Scientific Committee for the Health Economists' Study Group Conference, York, July 2006.
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Teaching and continuing professional development

Teaching undertaken

- Module Leader and Tutor for the Postgraduate Diploma in Health Economics for Health Care Professionals, The Economics of Health Care Systems, Department of Economics and Related Studies, University of York, Autumn Term 2013.
- Module Tutor for the Postgraduate Diploma in Health Economics for Health Care Professionals, The Economics of Health Care Systems, Department of Economics and Related Studies, University of York, Autumn Term 2012.
- Tutor for the short course Introduction to measuring efficiency in public sector organisations: analytical techniques and policy, Department of Economics and Related Studies, University of York, March 2011.
- Module Tutor for the Postgraduate Diploma in Health Economics for Health Care Professionals, The Economics of Health Care Systems, Department of Economics and Related Studies, University of York, Summer Term 2011.
- Module Tutor for the Postgraduate Diploma in Health Economics for Health Care Professionals, Basic Economic Concepts, Department of Economics and Related Studies, University of York, Autumn Term 2010.
- Invited lecturer - Master of Public Health, School of Population, Community and Behavioural Sciences, University of Liverpool, Spring term 2007.
- Tutor, Applied Economics 1: Introduction to Economic Policy, Department of Economics and Related Studies, University of York, Summer Term 2004.

- Tutor, Introduction to Economics, Microeconomics part, Department of Economics and Related Studies, University of York, Autumn Term, 2002 and 2003.
- Tutor, Introduction to Economics, Macroeconomics part, Department of Economics and Related Studies, University of York, Spring Term 2002.

Supervision of Graduate students

- MSc dissertation 'Exploring the spatial associations of measures of health and social care at small area level in England, Summer 2011.
- MSc dissertation 'Avoidable Mortality: to what extent is improved survival attributable to healthcare?', Summer 2010.

Membership of professional bodies or organizations

- PSSRU Unit Cost Advisory Group (since 2010).
- International Health Economics Association.
- European Conference on Health Economics Association.
- Health Economist's Study Group, Member.
- Health Econometrics Data Group (HEDG), University of York, Affiliate.

Administrative duties

- Responsible for the application process for Health Episode Statistics (HES) and ONS date of deaths data (since 2011).
- CHE Seminar Series organiser and chair (since 2010).
- Health Policy and Primary Care Team web administrator (2010 – 2011).
- Local Organiser for Health Economist's Study Group Conference York (2009 – 2011).
- CHE data governance group (since 2008).
- Local Organiser for Health Economist's Study Group Conference York (2005 – 2006).

Languages and IT skills

Italian (mother tongue).

English (excellent written and spoken).

German (excellent written and spoken).

French (good).

Word, Excel, Power Point, SAS, SPSS, STATA, MLWin, EndNote, Scientific Workplace, Limdep.