

CURRICULUM VITAE
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Health Economics Research Unit
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RESEARCH INTERESTS

Health policy evaluation
Application of discrete choice experiments in health services research
Modelling in economic evaluations
Comparative health care systems

EDUCATION

PhD, Health Economics, August 2005
Department of Health Policy and Administration, University of North Carolina at Chapel Hill,
USA
Dissertation: “Effect of Health on Changing Labor Outcomes in Transition China”

MPH, February 1997
Graduate School of Public Health, Seoul National University, Korea
Thesis: “Factors Affecting the Use of Injection Drugs”

BS, Pharmacy, February 1994
College of Pharmacy, Seoul National University, Republic of Korea

PUBLICATIONS

Peer-reviewed Journal Articles:

Yi D, R Mandy, Campbell S, Elliott A, Torrance N, Chambers A, Johnston M, Hannaford P, Smith BH. Using Discrete Choice Experiments to inform Randomised Controlled Trials: an application to chronic low back pain management in primary care, *European Journal of Pain* 2011, 15(5), 531.e1-531.e10.

Farrar S, **Yi D**, Sutton M, Chalkley M, Sussex J, Scott A. Has payment by results affected the way that English hospitals provide care? Difference-in-differences analysis. *British Medical Journal* 2010; 339: b3047

Konetzka RT, **Yi D**, Norton EC, Kilpatrick KE. Effects of Medicare Payment Changes on Nursing Home Staffing and Deficiencies, *Health Services Research* 2004, 39 (3), 463-487.

Yang BM, Paik SW, Hahn OS, **Yi D**, Choi MS, and Payne S. Economic Evaluation of the Societal Cost of Hepatitis B in South Korea, *Journal of Gastroenterology and Hepatology* 2001, 16 (3), 301-308.

Hodlewsky RT, Kumar V, **Yi D**, Kilpatrick KE. Trends in Deficiencies and Staffing Associated with Nursing Facility PPS, *Seniors Housing and Care Journal* 2001, 9(1), 27-42.

Yang BM, Paik SW, Hahn OS, **Yi D**, Choi MS. Economic burden of Hepatitis B virus related diseases in South Korea, *Korean Journal of Health Economics*, 2000, 6(2), 117-142.

Other Publications

Farrar S, Chalkley M, **Yi D**, Ma A. Payment by Results: Consequences for key outcomes measures and variations across HRGs, providers and patients. Final Report to the Department of Health, June 2010.

Farrar S, Sussex J, **Yi D**, Chalkley M, Scott T, Sutton M. and Yuen P. Evaluation of Payment by Results. Final Report to the Department of Health, November 2007.

Yi D, *Silence River: The Ecology and Politics of Large Dams*, Translation the original book by Patrick McCully (1997) into Korean, Yoo KS, Editor. Seoul, Korea: Jisik Gojakso Co., 2001.

Yang BM, **Yi D** *et al.* Estimation of Supply and Demand for Health care Utilization and Hospital Beds in Kangwon and Cheju Province, 1997, School of Public Health, Seoul National University.

RESEARCH IN PROGRESS

Economic appraisal of tobacco smoking behaviour interventions and Economic appraisal of alcohol consumption behaviour interventions (as part of Economic Appraisal of the Choice and Targeting of Lifestyle Interventions to Prevent Disease in Deprived Populations granted by the National Prevention Research initiative, MRC)

WORKING PAPER

Patient preference for follow-up treatment of colorectal cancer using discrete choice experiments (with Ryan M).

Effect of private health insurance on the health care utilization in South Korea (with Park H).

HRG creep under the prospective payment scheme in UK (with Farrar S and Ma A).

Payment by Results, the new reimbursement for English trusts: consequences for key outcomes and variations across HRGs, providers and patients (with Farrar S, Ma A and Chalkley M).

Preference for self care with minor symptoms using discrete choice experiments (with Macatter A, Elliot A and Ryan M).

Understanding preferences for lifestyle interventions to reduce obesity: Should we pay people to manage their weight? (under revision for re-submission)

PRESENTATIONS

Measuring the impact of activity based hospital financing across patient groups, Farrar S, D Yi, Ma A, Sutton M, and Chalkley M. European Conference on Health Economics, Helsinki, Finland, July 2010.

The Effect of Payment By Results on the HRG Creep in English Hospitals: An Empirical Investigation. D Yi, Farrar S, Ma A. Health Econometrics Working Group, HERU, April 2011.

Payment by Results: policy effects and fears, Farrar S, Yi D, Sutton M, Chalkley M, Sussex J, and Scott A. Symposium on policy implications of emerging findings for the English NHS, Health reforms evaluation programme (HREP), Department of Health, London, 12 February 2010.

Impact of Payment by Results on providers and services: latest findings from the national evaluation, Farrar S, Yi D, Chalkley M, Sutton M, and Ma A. Department of Health, Health Reforms Evaluation Programme meeting, London, November 2009.

Behaviour of English hospitals in the early stage of implementing payment by results: Difference in difference analysis using Scotland as control, Farrar S, Yi D, Ma A, Sutton M, and Chalkley M. Exploiting Existing Data for Health Research, St Andrews, Scotland, September 2009.

Do hospitals become more efficient under prospective payment systems? Effects of Payment by Results on length of stay in English hospitals, Yi D, Farrar S, Sutton M, Scott A, and Chalkley M. European Conference on Health Economics (ECHE) 7th meeting, Rome, Italy, July 2008.

The effects of Payment by Results on key outcome measures of cost, quality and volume of care: using 'difference-in-differences', Farrar S, Yi D, Sutton M, Chalkley M, Sussex J, and Scott A. Delivering Better Health, The National Institute for Health Research Service Delivery and Organisation Programme (SDO) Conference, Manchester, June 2008.

The effect of Payment by Results on the HRG creep in English hospitals: an empirical investigation, Yi D, Pugh E. and Farrar S. International Health Economics Association (iHEA) meeting, Copenhagen, Denmark, July 2007.

Activity based funding in the English NHS: measuring the effect on quality, Farrar S, Yi D, Sutton M, Scott A and Chalkley M. International Health Economics Association (iHEA) meeting, Copenhagen, Denmark, July 2007.

National evaluation of Payment by Results 2005-2007: Quantitative analysis, Payment by Result (PbR) and Scottish National Tariff, Internal Seminar, Analytical Services Division, Scottish Executive Health Department, 5th September 2006, Edinburgh, Scotland.

Activity based financing in the English NHS: preliminary analysis of the early period of implementation, Nordic Health Economists Study Group 2006 Meeting, August 2006, Copenhagen, Denmark.

Effect of Health on Changing Labor Outcomes in Transition China, International Health Economics Association (iHEA) meeting, June 2003.

Effects of Health on Unemployment Duration in South Korea. 4th Conference on Korea Labor and Income Panel Survey, February 2003 Seoul, Korea.

Dual Causality of Effects of Self Rated Health Status and Labor Market Performance in South Korea. 4th Conference on Korea Labor and Income Panel Survey, February 2003, Seoul, Korea.

FELLOWSHIPS AND AWARD

RAND Summer Institute, Scholarships for Mini-Medical School and Workshop on Aging, national Institute of Aging (NIA) and RAND, July 2004.

Johns Hopkins Seniors Housing & Care Journal Research Award, Second Place, 2001.

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student, Department of Health Policy and Administration, University of North Carolina at Chapel Hill, 2000

RESEARCH EXPERIENCE

Research Fellow, Health Economics Research Unit, University of Aberdeen, 11/05-present

- Evaluation of Payment by Results (Phase II): Economic Appraisal of the Choice and Targeting of Lifestyle Interventions to Prevent Disease in Deprived Populations
- Evaluation of Payment by Results (Phase I): An Economic Evaluation of Obesity Prevention for UK Adults.
- National Evaluation of Payment by Results
- Scoping and feasibility preparation for an RCT on post partum weight loss
- Development study for a complex intervention for chronic low back pain in NHS primary care: identifying its likely components and assessing its likely acceptability

- Establishing the potential for primary care to tackle social inequalities in established colorectal cancer
- Discrete choice experiments of the intervention programs for the obesity prevention
- Discrete choice experiments of choice for self care with minor symptoms

Research Assistant, Department of Health Policy and Administration, University of North Carolina at Chapel Hill

- The relationship between agreement of CEOs in the hospitals and hospitals' outcomes, 8/99-5/00.
- The effects of law changes on the women's mortality rate during 1970s and 1980s, 5/01-8/01.
- The effects of Medicare payment changes on staffing and regulatory deficiencies in skilled nursing facilities, 3/01-06/02.
- The effects of health on the changing labour market outcomes in China, 1/02-8/02, 2/04-5/04.

Research Fellow, Korea Health Industry Development Institute, Seoul, Korea, 5/00-8/00.

- Proofreading of the translation of MDS and its manual into Korean
- The reimbursement rate for long-term care hospitals using MDS in South Korea

Research Fellow, Institute for Population and Health, Seoul National University, Seoul, Korea, 3/97 - 6/99.

- Demand and supply of hospital based health services
- Effects of government regulation change on occupational health outcomes
- Societal cost of hepatitis B

TEACHING EXPERIENCE

2nd marker, MSc Health Economics, Fall 2008 and 2009.

Invited lecture, Department of Public Health, University of Aberdeen

- Health Economics (payment system for hospitals in England), fall 2006.

Teaching Fellow (instructor), Department of Health Policy and Administration, University of North Carolina at Chapel Hill

- Microeconomics (master level), Spring 2000 and 2001.
- Review of Mathematics and calculus (doctorate level), Fall 2000, 2001, 2002, and 2003.

Teaching Assistant, Department of Health Policy and Administration, University of North Carolina at Chapel Hill

- Advanced methodology for health services research (doctorate level), Spring 2003.

Instructor, Department of Health Management and Administration, Wonkwang University, Iksan, Korea, Fall 1998 and spring 1999.

- Health Policy and Administration

- Hospital administration
- Epidemiology

JOURNAL REFEREE

Journal of Health Services Research & Policy
 Bulletin of Economic Research
 BMC Health Services Research

SUPERVISION

Gerald Manthalu, PhD student, Quantitative and qualitative evaluation of reimbursement policy for maternal and child care services in Malawi. Health Economics Research Unit, University of Aberdeen, April 2011 – present.

Jelena Kupcova, Summer student intern. HERU, University of Aberdeen, Summer 2009.

Anne McAteer, PhD thesis, Application of DCEs in the “Managing symptoms in community” study. Centre of Academic Primary Care, University of Aberdeen, 2008 – 2009.

Emma Pugh, MSc thesis. An empirical investigation of HRG Creep in paired HRGs during the early implementation of Payment by Results in the English NHS, University of York, September 2006.

OTHER ACTIVITIES

Organizer, Health Econometrics Working Group, Health Economics Research Unit, University of Aberdeen. September 2008 – 2010.

Editor in Chief, *Health Care and Progress*, People’s Health Coalition of Equitable Society, Korea, January 1997-August 1998.

Pharmacist, Hanmaum Pharmacy, Seoul, Korea, February-November, 1994.

PROFESSIONAL ASSOCIATIONS

International Health Economics Association
 Health Economists’ Study Group UK
 Forum “Social Welfare and Labor”, South Korea

LICENSURE

Pharmacist, Ministry of Health and Welfare, Korea, 1994.