

## **ROBERT J. NORDYKE, PhD, MS**

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### **EDUCATION**

- 2000      **Ph.D.**, Public Policy Analysis  
            RAND Graduate School of Policy Studies, Santa Monica, CA
- 1988-1989      Graduate studies in Business Administration  
            University of Texas, Austin, TX
- 1987      **M.S.**, Engineering  
            University of Texas, Austin, TX
- 1986      **B.S.**, Mechanical Engineering  
            Rose-Hulman Institute of Technology, Terre Haute, IN

### **PROFESSIONAL EXPERIENCE**

- 2016-Present      Principal, EpidStat Institute, Ann Arbor, MI
- 2014-2016      Senior Vice President, Health Economics and Evidence Strategy, Precision for Medicine,  
                    Bethesda, MD
- 2013-2014      Vice President and North American Head ICON Health Economics and Epidemiology,  
                    ICON plc, El Segundo, CA (post-acquisition of PriceSpective)
- 2010-2013      Vice President and Founding Practice Lead, PriceSpective LLC, El Segundo, CA
- 2006-2010      Global Health Economics, Amgen, Thousand Oaks, CA

### **ACADEMIC APPOINTMENTS**

- 2002-Present      Adjunct Assistant Professor, Department of Health Policy and Management, School of  
                    Public Health, University of California, Los Angeles
- 2001      Visiting Assistant Professor, Department of Health Services, School of Public Health,  
                    University of California, Los Angeles
- 2000-2001      Lecturer, International Public Policy and Management program, School of Policy  
                    Planning and Development, University of Southern California, Los Angeles

### **HONORS AND MEMBERSHIPS**

- International Society for Pharmacoeconomics and Outcomes Research, 2004 – present.
- Amgen North American Commercial Operations “Impact Award”, 2008.
- International Health Economics Association, 1998 – 2007.
- Career Achievement Award, Rose-Hulman Institute of Technology, 2006.
- Doctoral Fellowship, RAND Graduate School, 1992 – 1997.
- University Research Fellow, University of Texas-Austin, 1986 – 1987.
- Tau Beta Pi National Honor Society, Rose-Hulman Chapter.

## SELECTED PUBLICATIONS

### Peer-Reviewed

Nicholson G, Gandra SR, Halbert RJ, Richhariya A, **Nordyke RJ**. “Patient-level costs of major cardiovascular conditions: a review of the international literature.” *Clinicoecon Outcomes Res*. 2016 Sep 21;8:495-506.

Wang A, Richhariya A, Gandra SR, Calimlim B, Kim L, Quek RGW, **Nordyke RJ**, Toth P. “A systematic review of LDL-C apheresis for the treatment of familial hypercholesterolemia.” *J Am Heart Assoc*. 2016.

Kuan RK, Janssen R, Heyward W, **Nordyke RJ**. “Cost-Effectiveness of Hepatitis B Vaccination using Heplisav in Selected Adults Compared to Engerix-B Vaccine.” *Vaccine*. 2013; 31(37):4024-32.

Wang A, Halbert RJ, Baerwaldt T, **Nordyke RJ**. “U.S. Payer Perspectives on Evidence for Formulary Decision-Making.” *Am J Mgd Care / J Onc Practice*. 2012;3s:22-27.

Hill JW, Cong Z, Hess G, McGarvey N, **Nordyke RJ**. “Hemoglobin Decline in Chemotherapy Patients Prior to and After Policy Changes Affecting Use of Erythropoiesis-Stimulating Agents (ESAs): 2006 – 2009.” *J Intl Med Res*. 2012.

Lau EC, Mowat FS, Kelsh MA, Legg JC, Engel-Nitz NM, Watson HN, Collins HL, **Nordyke RJ**, Whyte JL. “Use of electronic medical records (EMR) for oncology outcomes research: assessing the comparability of EMR information to patient registry and health claims data.” *Clin Epidemiol*. 2011;3:259-72

Kanas G, Morimoto L, Mowat F, O'Malley C, Fryzek J, **Nordyke RJ**. “Use of electronic medical records in oncology outcomes research.” *Clinicoecon Outcomes Res*. 2010;2:1-14.

Hess G, **Nordyke RJ**, Hill J, Hulnick S. “Effect of reimbursement changes on erythropoiesis-stimulating agent utilization and transfusions.” *Am J Hematol*. 2010;85(11):838-43.

Paramore LC, Hunter CA, Luce BR, **Nordyke RJ**, Halbert RJ. “Value of biologic therapy: a forecasting model in three disease areas.” *Curr Med Res Opin*. 2010 Jan;26(1):41-51.

Dean BB, Lam J, Natoli JL, Butler Q, Aguilar D, **Nordyke RJ**. “Use of electronic medical records in outcomes research and quality improvement: A literature review.” *Med Care Res and Review*. 2009;66(6):611-38.

Luo W, Nordstrom BL, Fraeman K, **Nordyke RJ**, Ranganathan G, Linz HE, Winterkorn A, Stokes M, Ross SD, Knopf K. “Adherence to guidelines for use of erythropoiesis-stimulating agents in patients with chemotherapy-induced anemia: results of a retrospective study of an electronic medical-records database in the United States, 2002-2006.” *Clin Ther*. 2008 Dec;30(12):2423-35.

Nordstrom BL, Weixiu L, Fraeman KH, Whyte JL, **Nordyke RJ**. “Use of Erythropoiesis-Stimulating Agents Among Chemotherapy Patients With Hemoglobin Exceeding 12 Grams Per Deciliter.” *J Manag Care Pharm*. 2008;14(9):858-69.

Hess G, Hill J, Clough J, Hulnick S, **Nordyke RJ**. “Utilization of darbepoetin alfa in relation to cancer patients' hemoglobin levels.” *Curr Med Res Opin*. 2008 Mar;24(3):815-9.

Tinkelman DG, Price D, **Nordyke RJ**, Halbert RJ. “COPD screening efforts in primary care: what is the yield?” *Prim Care Respir J*. 2007 Feb;16(1):41-8.

Ponce NA, Afaible-Munsuz A, **Nordyke RJ**. “Conceptualizing the Impact of Genetic Testing on Cancer Disparities in the United States.” *International Journal of Health Tech and Mgt*. 2007; 8:536-48.

Tinkelman DG, Price DB, **Nordyke RJ**, Halbert RJ, Isonaka S, Nonikov D, Juniper EF, Freeman D, Hausen T, Levy ML, Ostrem A, van der Molen T, van Schayck CP. "Symptom-based questionnaire for differentiating COPD and asthma." *Respiration*. 2006;73(3):296-305.

Peabody JW, **Nordyke RJ**, Tozija F, Munoz J, Luck JA, Ponce NA. "Quality of care and its impact on population health: a cross-sectional study from Macedonia" *Social Science and Medicine*. 2006; 62:2216-24.

Price DB, Tinkelman DG, **Nordyke RJ**, Isonaka S, Halbert RJ. "COPD Questionnaire Study Group. Scoring system and clinical application of COPD diagnostic questionnaires." *Chest*. 2006 Jun;129(6):1531-9.

Tinkelman DG, Price DB, **Nordyke RJ**, Halbert, RJ. "Misdiagnosis of COPD and Asthma in Primary Care Patients Aged 40 and Over." *Journal of Asthma*. 2006; 43:75-80.

**Nordyke RJ**, Chang CH, Chiou CF, Wallace JF, Yao B, Schwartzberg LS. "Validation of a patient satisfaction questionnaire for anemia treatment, the PSQ-An." *Health Qual Life Outcomes*. 2006 May 3;4:28.

Freeman D, **Nordyke RJ**, Isonaka S, Nonikov DV, Maroni JM, Price D, Halbert RJ. "Questions for COPD diagnostic screening in a primary care setting." *Respir Med*. 2005 Oct;99(10):1311-8.

Calverley PMA, **Nordyke RJ**, Halbert RJ, Isonaka S, Nonikov D. "Development Of a Population-Based Screening Questionnaire for COPD" *Journal of Chronic Obstructive Pulmonary*. 2005; 2:225-32.

Fukuhara S, Nishimura M, **Nordyke RJ**, Zaher CA, Peabody JW. "Patterns of care for COPD by Japanese physicians." *Respirology*. 2005 Jun;10(3):341-8.

van Schayck CP, Halbert RJ, **Nordyke RJ**, Isonaka S, Maroni J, Nonikov D. "Comparison of existing symptom-based questionnaires for identifying COPD in the general practice setting." *Respirology*. 2005 Jun;10(3):323-33.

Tinkelman D, **Nordyke RJ**, Isonaka S, George D, DesFosses D, Nonikov D "Impact of COPD on Long-Term Disability Programs." *Journal of Managed Care Pharmacy*. 2005; 11(1):25-32.

Celli BR, Halbert RJ, **Nordyke RJ**, Schau B. "Airway obstruction in never smokers: results from the Third National Health and Nutrition Examination Survey." *Am J Med*. 2005 Dec;118(12):1364-72.

Price DB, Tinkelman DG, Halbert RJ, **Nordyke RJ**, Isonaka S, Nonikov D, Juniper EF, Freeman D, Hausen T, Levy ML, Ostrem A, van der Molen T, van Schayck CP. "Symptom-based questionnaire for identifying COPD in smokers." *Respiration*. 2006;73(3):285-95.

Ponce N, **Nordyke RJ**. "Uninsured working immigrants: a view from a California county." *Journal of Immigrant Health*. 2005; 7(1):45-53.

Peabody JW, Tozija F, Muñoz JA, **Nordyke RJ**, Luck J, "Using Vignettes to Compare the Quality of Clinical Care Variation in Economically Divergent Countries." *Health Services Research*. 2004;39:1951-70.

**Nordyke RJ**, Kim JJ, Goldberg GA, Shaw MS, Vendiola R, Batra D, Thomasson JW. "Anemia Increases Hospitalization Time, Charges and Mortality in Patients with Heart Failure." *Value in Health*. 2004;7:464-71.

Barr ML, Schenkel FA, Van Kirk A, Halbert RJ, Helderma JH, Hricik DE, Matas AJ, Pirsch JD, Siegal BR, Ferguson RM, **Nordyke RJ**. "Determinants of quality of life changes among long-term cardiac transplant survivors: results from longitudinal data." *J Heart Lung Transplant*. 2003 Oct;22(10):1157-67.

**Nordyke RJ**, Peabody J. "Market Reforms and Public Incentives: Finding a Balance in the Republic of Macedonia." *Social Science and Medicine*. 2002;54:939-53.

**Nordyke RJ**. "Determinants of Productivity and Resource Utilization: A Comparison of Public and Private Physicians." *Health Policy*. 2002;60:67-96.

## Monographs and Reports

**RJ Nordyke**, E Wu. “Policy Implications of Racial and Ethnic Differences in Managed Care vs. Fee-for-Service Utilization Disparities in California” for the California Program on Access to Care/California Policy Research Center, 2004.

Shah H, **Nordyke RJ**, “COPD: Consequences of an Underrecognized Disease” Managed HealthCare Executive, Feb 2004.

Farley D, **Nordyke RJ**, and Peabody J. “Economic Efficiency of the Macedonian Health System: Analysis of Government and Household Survey Data.” RAND, DRU-1695-WB, 1997.

Vernez G, Dardia M, McCarthy KF, Malkin JD, **Nordyke RJ**. “California's Shrinking Defense Contractors: Effects on Small Suppliers.” RAND, MR-687-OSD, 1996.

**Nordyke RJ**. “Do Innovations Matter? The Case of the Medical Imaging Industry,” RAND, P-7947, 1995.

## SELECTED PRESENTATIONS

**Nordyke RJ**, Zolfaghari S. “Estimating the value of companion diagnostics: Getting the incentives Right.” Poster Presented at the ISPOR 15th Annual European Meeting, Nov 3-6, 2012, Berlin. Finalist for Best Poster.

**Nordyke RJ**, Nathan S, Corey-Lisle T. “Using Early-Stage Economic Models to Integrate Clinical and Commercial Development.” Contributed workshop at the ISPOR 17th Annual International Meeting, June 2-6, 2012, Washington, DC.

**Nordyke RJ**, Imbeah-Ampiah R, Ng-Haing J, Oshinowo B, Saraf S. “Does a lack of HTA review lead to higher prices for HIV treatments?” A comparison with oncology treatments. Poster presented at the ISPOR 16th Annual International Meeting, May 21-25, 2011, Baltimore, MD. Finalist for Best Poster.

Dean BB, Aguilar D, Whyte J, **Nordyke RJ**. “Patient privacy and data confidentiality and the use of secondary data.” Poster presented at the ISPOR 14th Annual International Meeting, May 16-20, 2009, Orlando, FL.

**Nordyke RJ**. “Transforming Medicine.” Invited plenary panel at Harvard Medical School conference on the Personally-Controlled Health Record Infrastructure. Nov 28-29, 2007, Cambridge, MA.

Curkendall S, Nichol MB, Dylan M, **Nordyke RJ**, Patel V, Zagari M, Chiou CF. “Trends in out-of-pocket cost burden for Rheumatoid Arthritis patients.” Presented at ACR/ARHP Annual Scientific Meeting 2006, Washington, DC.

**RJ Nordyke**, “Policy Implications of Racial and Ethnic Differences in Managed Care vs. Fee-for-Service Utilization Disparities in California” LA Care, June 7, 2005.

**Nordyke RJ**. “Selection Bias and Use of Propensity Scores in Observational Studies” Contributed Workshop (W2) at the ISPOR 10th Annual International Meeting, May 15-18, 2005, Washington, DC.

**Nordyke RJ**, Aguilar D, Lee A, Singh A, Tedeschi MR, Dubois RW. “Linking Symptoms Severity and Diurnality to Productivity Loss: A New Conceptual Approach” Presented at the ISPOR 10th Annual International Meeting, May 15-18, 2005, Washington, DC.

**Nordyke RJ**. “The Significance of COPD for America’s Workforce.” Invited presentation at the 4th International Meeting of the Institute for Health and Productivity Management, Oct 11-13, 2004, Phoenix AZ.

**Nordyke RJ**, Isonaka S, George D, DesFosses D, Nonikov D “Impact of COPD on Long-Term Disability Programs.” Presented at the 13<sup>th</sup> Annual Congress of the European Respiratory Society, Sept 27-Oct 1, 2003, Vienna, Austria.

**Nordyke RJ.** “Cost Estimates of New Drug Development: How Well Are They Known, How Are They Used?” Oral Presentation, International Health Economics Association Bi-Annual World Conference, June, 2003, San Francisco CA.

**Nordyke RJ.** “Effects of Introducing Health Insurance in Indonesia” Oral Presentation, International Health Economics Association Bi-Annual World Conference, July, 2001, York, UK.

**Nordyke RJ.** “Relative Performance of Public and Private Physicians in a Transition Economy” Poster Presentation, International Health Economics Association Bi-Annual World Conference, July, 2001, York, UK.

**Nordyke RJ.** “The Importance of Physician Skill Measures.” Poster Presentation, Academy for Health Services Research Annual Conference, June, 2000, Los Angeles.

**Nordyke RJ.** “Performance of Private Physicians in a Transition Economy: Lessons for Reforms” Oral Presentation, International Health Economics Association Bi-Annual World Conference, June, 1999, Rotterdam, NL.

**Nordyke RJ.** “Conducting Policy-relevant Research in a Transition Economy” School of Public Health/University of California, March, 1999, Berkeley, CA.

Luck J, Peabody J., **Nordyke RJ**, Tozija F, Pecelj G, and Ponce N. (1999) “A Comparison of the Quality of Care Between the U.S. and a Developing Country.” J of Gen Int Med;14(Supp. 2):106.

**Nordyke RJ.** “Results from the Capitation Evaluation Program Facility Survey: Lessons for Reforms” Workshop for World Bank review mission and the Ministry of Health, January, 1998, Skopje, Macedonia.