

CURRICULUM VITAE
May 2007

EUGENE CURTIS NELSON

PERSONAL

Date of Birth:	December 8, 1947	Marital Status:	Married, three children
Place of Birth:	Elgin, Illinois	Work Address:	Dartmouth-Hitchcock Medical Center
Home Address:	P.O. Box 1046 Norwich, Vermont 05055		One Medical Center Drive Lebanon, New Hampshire 03756-0001 (603) 653-0457

EDUCATION

D.Sc.: Harvard School of Public Health, Boston, Massachusetts – 1977
(Health Services Administration and Health Education)

M.P.H.: Yale Medical School, New Haven, Connecticut – 1973
(Medical Care Planning and Administration)

A.B.: Dartmouth College, Hanover, New Hampshire – 1970
(Sociology)

AWARDS AND HONORS

Ernest A. Codman Award, 1998. Prize for lifetime achievement for using outcomes measures to improve quality. Awarded by The Joint Commission.

Peter Reizenstein Prize, 1996. Prize for paper of the year awarded by the International Society for Quality in Healthcare.

Article-of-the-Year, 1993. Prize for best paper awarded by the Association for Health Services Research.

Research Paper of the Year, 1989. Prize for best paper awarded by the Society of Teachers of Family Medicine.

PROFESSIONAL POSITIONS

1992 – on Professor, Department of Community and Family Medicine
Dartmouth Medical School, Hanover, New Hampshire

1995 – on Senior Faculty Member for Health Care Improvement Leadership Development at the Center for
Evaluative Clinical Sciences at Dartmouth Medical School

1992 – on Director, Quality Administration, Dartmouth-Hitchcock Medical Center, Lebanon, New
Hampshire

1988 –1992 Director, Quality of Care Research
Hospital Corporation of America, Nashville, Tennessee

- 1985 - 1986 Senior Scientist and Director of Operations, Medical Outcomes Study
The RAND Corporation, Santa Monica, California
- 1976 - 1988 Associate Professor and Vice Chairman of Community Medicine
Executive Director, Dartmouth Institute for Better Health
Executive Director, Primary Care Cooperative Information Project
Dartmouth Medical School, Hanover, New Hampshire
- Adjunct Assistant Professor, Sociology Department
Dartmouth College, Hanover, New Hampshire
- 1975 -1978 Staff Associate, Medicine, Hypertension Education Program
Peter Bent Brigham Hospital, Boston, Massachusetts
- 1974 - 1975 Assistant Director, Health Care Studies, Department of Community Health and Ambulatory Care
Tufts University Medical School, Boston, Massachusetts
- 1972 - 1974 Assistant Director, MEDEX New England Evaluation, Department of Community Medicine
Dartmouth Medical School, Hanover, New Hampshire

MAJOR WORK IN PROGRESS

- Title: Measuring Health System Quality, Value and Performance
- Goal: To develop balanced measures of performance, that are used to manage and improve organization-wide performance and value of care for clinical service lines.
- Status: Working with many major organizations such as the Institute for Healthcare Improvement's IMPACT Network, the international Vermont Oxford Network of Neonatal Intensive Care Units, the Cystic Fibrosis Foundation and Cystic Fibrosis Programs, Cincinnati Childrens Hospital and Medical Center, etc.
- Title: Leading Macrosystems and Mesosystems to Achieve Peak Performance in Frontline Microsystems
- Goal: To develop self-sustaining healthcare systems that are capable of continually improving the quality and value of health care for individual patients and entire populations of people who receive health care.
- Status: Teaching materials being distributed to 2000 hospitals in the United States under the sponsorship of American Hospital Association, Institute for Healthcare Improvement, Premier Inc, and Voluntary Hospital Association. Books: Quality by Design, published in March 2007 by Jossey-Bass, and Practice-Based Learning and Improvement, in press, May 2007 (Joint Commission Resources). Teaching full courses to masters degree students and medical residents and fellows at Dartmouth's Center for the Evaluative Clinical Sciences.

OTHER PROFESSIONAL ACTIVITIES

Judge for AHA-McKesson Hospital Quality Quest National Award

Senior faculty member for Institute for Healthcare Improvement

Measurement leader for “Whole System Measures” of health care quality being used by A national the Institute for Healthcare Improvement to guide senior leaders’ work to achieve best possible results

Editorial Board for *Quality Management in Health Care*

Consultant/teacher in areas of value/performance measurement, health services research and performance improvement to organizations such as the National Institutes of Health, Accreditation Council for Graduate Medical Education, American Hospital Association, Cincinnati Childrens Hospital and Medical Center, Agency for Healthcare Research and Quality, Leapfrog, etc.

PROFESSIONAL ORGANIZATIONS

American Public Health Association

Association for Health Services Research

Institute for Healthcare Improvement

SELECTED PUBLICATIONS

Journal Articles

Foster TC, Johnson JK, Nelson, EC, Batalden PB: Using a Malcolm Baldrige Framework to Understand High-Performing Clinical Microsystems. *Quality & Safety in Health Care*, in press, May 2007.

Nelson EC, Homa K, Mastanduno M, Fisher E, Batalden P, Colacchio T, Formella N, Foster T, Likosky D, Gardent P, Guth J, Malcolm E, Trombly S, Varnum J: A Healthcare System’s Experience with Publicly Reporting Comprehensive Quality and Cost Data: A Transparency Initiative. *Joint Commission Journal on Quality and Safety*, 21:10, October 2005.

Nelson EC, Gentry MA, Mook, KH, Spritzer KL, Higgins JH, Hays RD: How Many Patients Are Needed to Provide Reliable Evaluations of Individual Clinicians? *Medical Care*, 42(3), March, 2004.

Nelson EC, Splaine ME, Plume SK, Batalden P: Good Measurement for Good Improvement Work. *Quality Management in Health Care*, 13(1), Jan-March, 2004.

Speroff T, James BC, Nelson EC, Headrick LA, Brommels M: Guidelines for Appraisal and Publication of Quality Improvement Research. *Quality Management in Health Care*, 13(1), Jan-March, 2004.

Batalden PB, Nelson EC, Edwards WH, Godfrey MM, Mohr JJ: Microsystems in Health Care: Part 9. Developing Small Clinical Units to Attain Peak Performance. *Joint Commission Journal on Quality and Safety*, November 2003.

Huber TP, Godfrey MM, Nelson EC, Mohr JJ, Campbell C, Batalden PB: Microsystems in Health Care: Part 8. Developing People and Improving Work Life: What Frontline Staff Told Us *Joint Commission Journal on Quality and Safety*, October 2003.

Welke KF, Steven JP, Schults WC, Nelson EC, Beggs VL, Nugent WC: Patient Characteristics Can Predict Improvement in Functional Health After Elective Coronary Artery Bypass Grafting. *Ann Thorac Surg* 2003;75:1849-1855.

Mohr JJ, Barach P, Cravero JP, Blike GT, Godfrey MM, Batalden PB, Nelson EC: Microsystems in Health Care: Part 6. Designing Patient Safety into the Microsystem *Joint Commission Journal on Quality and Safety*, August 2003.

Batalden PB, Nelson EC, Mohr JJ, Godfrey MM, Huber TP, Kosnik L, Ashling K: Microsystems in Health Care: Part 5. How Leaders are Leading *Joint Commission Journal on Quality and Safety*, June 2003.

Wasson JH, Godfrey MM, Nelson EC, Mohr JJ, Batalden PB: Microsystems in Health Care: Part 4. Planning Patient-Centered Care *Joint Commission Journal on Quality and Safety*, May 2003.

Godfrey MM, Nelson EC, Wasson JH, Mohr JJ, Batalden PB: Microsystems in Health Care: Part 3. Planning Patient-Centered Services. *Joint Commission Journal on Quality and Safety*, April 2003.

Nelson EC, Batalden PB, Homa K, Godfrey MM, Campbell C, Headrick LA, Huber TP, Mohr, JJ, Wasson JH: Data and Measurement in Clinical Microsystems: Part 2. Creating a Rich Information Environment. *Joint Commission Journal on Quality and Safety*, 29(1) 5-15, January 2003.

Nelson EC, Batalden PB, Huber TP, Mohr JJ, Godfrey MM, Headrick LA, Wasson JH: Microsystems in Health Care: Part 1. Learning from High-Performing Front-Line Clinical Units. *The Joint Commission Journal on Quality Improvement*, 28(9):472-497, September 2002.

Frank JE, Kim TM, Nelson EC: Promoting Quality Research. *The Joint Commission Journal on Quality Improvement*, 28(8):451-452, August 2002.

Blike G, Cravero J, Nelson EC: Same Patients, Same Critical Events---Different Systems of Care, Different Outcomes: Description of a Human Factors Approach Aimed at Improving the Efficacy and Safety of Sedation/Analgesia Care. *Quality Management in Health Care*, 10(1):17-36, Fall 2001.

Gustafson DH, Arora NK, Nelson EC, Boberg EW: Increasing Understanding of Patient Needs During and After Hospitalization. *The Joint Commission Journal on Quality Improvement*, 27(2):81-92, February 2001.

Nelson EC, Splaine ME, Godfrey MM, Kahn V, Hess AR, Batalden PB, Plume SK: Using Data to Improve Medical Practice by Measuring Processes and Outcomes of Care. *The Joint Commission Journal on Quality Improvement*, 26(12):667-685, December 2000.

Weinstein JN, Brown PW, Hanscom B, Walsh T, Nelson EC: Designing an Ambulatory Clinical Practice for Outcomes Improvement: From Vision to Reality - The Spine Center at Dartmouth-Hitchcock, Year One. *Quality Management in Health Care*, 8(2):1-20, Winter 2000.

Hamby LS, Colacchio TA, Nelson EC: Application of quality improvement to surgical practice. *Surgery*, 128:836-44, November 2000.

Hess AM, Nelson EC, Johnson DJ, Wasson JH: Building an Idealized Measurement System to Improve Clinical Office Practice Performance. *Managed Care Quarterly*, 7(3):22-34, Summer 1999.

Wasson JH, Stukel TA, Weiss JE, Hays RD, Jette AM, Nelson EC: A Randomized Trial of the Use of Patient Self-Assessment Data To Improve Community Practices. *American College of Physicians-American Society of Internal Medicine*, 2(1):1-10, January/February 1999.

Connor JM, Nelson EC: Neonatal Intensive Care: Satisfaction Measured From a Parent's Perspective. *Evidence-Based Quality Improvement in Neonatal and Prenatal Medicine*, 103(1):336-349, January 1999.

Nelson EC, Batalden PB, Mohr JJ, Plume SK: Building a Quality Future. *Frontiers of Health Services Management*, 15(1):3-32, Fall 1998.

Splaine ME, Batalden PB, Nelson EC, Plume SK, Wasson JH: Looking at Care from the Inside Out: A Conceptual Approach to Geriatric Care. *The Journal of Ambulatory Care Management*, 21(3), July 1998.

Nelson EC, Splaine ME, Batalden PB, Plume SK: Building Measurement and Data Collection into Medical Practice. *Annals of Internal Medicine*, 128(6):460-466, March 15, 1998.

Nelson EC, McHorney CA, Manning WG, Rogers WH, Zubkoff M, Greenfield S, Ware JE, Tarlov AR: A Longitudinal Study of Hospitalization Rates for Patients with Chronic Disease: Results from the Medical Outcomes Study. *Health Services Research*, 32(6):759-774, February 1998.

Levine AS, Plume SK, Nelson EC: Transforming Patient Feedback into Strategic Action Plans. *Quality Management in Health Care*, 5(3):28-38, Spring 1997.

Batalden PB, Mohr JJ, Nelson EC, Plume SK, Baker GR, Wasson JH, Stoltz PK, Splaine ME, Wisniewski JJ: Continually Improving the Health and Value of Health Care for a Population of Patients: The Panel Management Process. *Quality Management in Healthcare*, 5(3):41-51, Spring 1997.

Johnson LC, Batalden PB, Corindia JT, Marrin CA, Nelson EC, Plume SK: Clinical Process Cost Analysis: A Promising Tool for Clinical Improvement. *Quality Management in Healthcare*, 5(3):52-62, Spring 1997.

Cohn KH, Walsh DB, Farrell TM, Batalden PB, Nelson EC, Dow RJ, Mohr JJ, Barthold J, Crichlow RW: The Odyssey of Residency Education in Surgery: Experience with a Total Quality Management Approach. *Current Surgery*, 54(4):218-224, May 1997.

Plume SK, Nelson EC, Batalden PB, Splaine ME: Choosing What to Measure in Healthcare. *New Medicine*, 1:1-4, 1997.

Wasson JH, Jette MA, Johnson DJ, Mohr JJ, Nelson EC: A Replicable and Customizable Approach to Improve Ambulatory Care and Research, *Journal of Ambulatory Care Management* 20(1):17-27, January 1997.

Batalden PB, Mohr JJ, Nelson EC, Plume SK: Improving Health Care, Part 4: Concepts for Improving Any Clinical Process. *The Joint Commission Journal on Quality Improvement*, 22(10):651-659, October 1996.

Mohr JJ, Mahoney CC, Nelson EC, Batalden PB, Plume SK: Improving Health Care, Part 3: Clinical Benchmarking for Best Patient Care. *The Joint Commission Journal on Quality Improvement*, 22(9):599-616, September 1996.

Nelson EC, Batalden PB, Plume SK, Mohr JJ: Improving Health Care, Part 2: A Clinical Improvement Worksheet and Users' Manual. *The Joint Commission Journal on Quality Improvement*, 22(8):531-548, August 1996.

Epstein KR, Laine C, Farber NJ, Nelson EC, Davidoff F: Patients' Perceptions of Office Medical Practice: Judging Quality through the Patients' Eyes. *American Journal of Medical Quality*, 11(2):73-80, Summer 1996.

Niles N, Tarbox G, Schults WC, Swartz W, Wolf E, Robb J, Plume SK, Nelson EC, Nugent WC: Using Qualitative and Quantitative Patient Satisfaction Data to Improve the Quality of Cardiac Care. *The Joint Commission Journal on Quality Improvement*, 22(5):323-335, May 1996.

Nelson EC, Mohr JJ, Batalden PB, Plume SK: Improving Health Care, Part 1: The Clinical Value Compass. *The Joint Commission Journal on Quality Improvement*, 22(4):243-258, April 1996.

Nelson EC: Measuring For Improvement: Why, What, When, How, For Whom? *Quality Connection*, 4(2):1-3, Spring 1995.

Gustafson DH, Helstad CP, Hung CF, Nelson EC, Batalden PB: The Total Costs of Illness: A Metric for Health Care Reform. *Hospital & Health Services Administration*, Special Issue, 40(1):154-171, Spring 1995.

Nelson EC, Batalden PB, Plume SK, Mihevc NT, Swartz WG: Report Cards or Instrument Panels: Who Needs What? *The Joint Commission Journal on Quality Improvement*, 21(4):155-166, April 1995.

Nelson EC, Greenfield S, Hays RD, Larson CO, Leopold B, Batalden PB: Comparing Outcomes and Charges for Patients with Acute Myocardial Infarction in Three Community Hospitals: An Approach for Assessing "Value". *International Journal for Quality in Health Care*, 7(2):95-108, February 1995. ****1996 Winner of the Peter Reizenstein Prize awarded by the International Society for Quality in Health Care.**

Wasson JH, Kairys SW, Nelson EC, Kalishman N, Baribeau P, Wasson E: Adolescent Health and Social Problems: A Method for Detection and Early Management. *Archives of Family Medicine*, 4:51-56, January 1995.

Nugent WC, Schults WC, Plume SK, Batalden PB, Nelson EC: Designing an Instrument Panel to Monitor and Improve Coronary Artery Bypass Grafting. *Journal of Clinical Outcomes Management*, 1(2):57-64, December 1994.

Nelson EC, Greenfield S: Guest Editorial: Outcomes Matter Most. *Journal of Clinical Outcomes Management*, 1(1):9-10, October 1994.

Nelson EC, Wasson JH: Using Patient-Based Information to Rapidly Redesign Care. *Healthcare Forum Journal*, 37(4):25-29, July/August 1994.

Nelson EC, Ferreira PL, Cleary PD, Gustafson DH, Wasson JH: Do Patients' Health Status Reports Predict Future Hospital Stays for Patients with an Acute Myocardial Infarction? *Family Practice Research Journal*, 14(2):119-126, June 1994.

Wasson JH, Kairys SW, Nelson EC, Kalishman N, Baribeau P: A Short Survey for Assessing Health and Social Problems of Adolescents. *The Journal of Family Practice*, 38(5):489-494, May 1994.

Batalden PB, Nelson EC, Roberts JS: Linking Outcomes Measurement to Continual Improvement: The Serial "V" Way of Thinking about Improving Clinical Care. *The Joint Commission Journal on Quality Improvement*, 20(4):167-180, April 1994.

Hays RD, Nelson EC, Larson CO, Batalden PB: Short-Form Measures of Physician and Employee Judgments about Hospital Quality. *The Joint Commission Journal on Quality Improvement*, 20(2):66-77, February 1994.

Nelson EC, Batalden PB: Patient-based quality measurement systems. *Quality Management in Health Care*, 2(1):18-30, Fall 1993.

- Nelson EC, Larson CO: Patients' Good and Bad Surprises: How Do They Relate to Overall Patient Satisfaction? *Quality Review Bulletin*, 19(3):89-94, March 1993.
- Nelson EC, Rust RT, Zahorik A, Rose RL, Batalden PB, Siemanski BA: Do Patient Perceptions of Quality Relate to Hospital Financial Performance? *Journal of Health Care Marketing*, 12(4):6-13, December 1992.
- Nelson EC, Larson CO, Hays RD, Nelson SA, Ward D, Batalden PB: The Physician and Employee Judgment System: Reliability and Validity of a Hospital Quality Measurement Method. *Quality Review Bulletin*, 18(9):284-292, September 1992.
- Larson CO, Hays RD, Nelson EC: Do the Pictures Influence Scores on the Dartmouth COOP Charts? *Quality of Life Research*, 1:247-249, 1992.
- Greenfield S, Nelson EC: Recent Developments and Future Issues in the Use of Health Status Assessment Measures in Clinical Settings. *Medical Care*, 30(5):MS23-MS41, May 1992.
- Greenfield S, Nelson EC, Zubkoff M, Manning W, Rogers W, Kravitz RL, Keller A, Tarlov AR, Ware JE: Variations in Resource Utilization Among Medical Specialties and Systems of Care: Results from the Medical Outcomes Study. *Journal of the American Medical Association*, 267(12):1624-1630, March 1992. ****1993 AHSR (Association for Health Services Research) Article-of-the-Year Award, Washington, DC.**
- Kravitz RL, Greenfield S, Rogers WH, Manning WG, Zubkoff M, Nelson EC, Tarlov AR, Ware JE: Differences in the Mix of Patients among Medical Specialties and Systems of Care: Results from the Medical Outcomes Study. *Journal of the American Medical Association*, 267(12):1617-1623, March 1992.
- Landgraf JM, Nelson EC: Summary of the WONCA/COOP International Health Assessment Field Trial. *Australian Family Physician*, 21(3):255-269, March 1992.
- Nelson EC, Larson CO, Davies AR, Gustafson DH, Ferreira PL, Ware JE: The Patient Comment Card: A System to Gather Customer Feedback. *Quality Review Bulletin*, 17(9):278-286, September 1991.
- Hays RD, Larson CO, Nelson EC, Batalden PB: Hospital Quality Trends: A Short-Form Patient-Based Measure. *Medical Care*, 29(7):661-668, July 1991.
- Nelson EC, Caldwell C, Quinn D, Rose RL: Gaining customer knowledge: Obtaining and using customer judgments for hospitalwide quality improvement. *Topics in Health Record Management*, 11(3):13-26, March 1991.
- Nelson EC, Landgraf JM, Hays RD, Wasson JH, Kirk JW: The Functional Status of Patients: How Can It Be Measured in Physicians' Offices? *Medical Care*, 28(12):1111-1126, December 1990.
- Batalden PB, Nelson EC: Hospital Quality: Patient, Physician and Employee Judgments. *International Journal of Health Care Quality Assurance*, 3(4):7-17, November 1990.
- Nelson EC, Ware JE, Batalden PB: Pilot Study Methods: Design of Study. *Medical Care* (supplement), 28(9): S15-S17, September 1990.
- Rubin HR, Ware JE, Nelson EC, Meterko M: The Patient Judgements of Hospital Quality (PJHQ) Questionnaire. *Medical Care* (supplement) 28(9): S17-S18, September 1990.
- Nelson EC, Rubin HR, Hays RD, Meterko M: Response to a Questionnaire. *Medical Care* (supplement), 28(9): S18-S22, September 1990.

Simmons JJ, Nelson EC, Roberts E, Salisbury ZT, Kane-Williams E, Benson L: A Health Promotion Program: Staying Healthy After Fifty. *Health Education Quarterly*, 16(4):461-472, Winter 1989.

Benson L, Nelson EC, Napps SE, Roberts E, Kane-Williams E, Salisbury ZT: Evaluation of Staying Healthy After Fifty Educational Program: Impact on Course Participants. *Health Education Quarterly*, 16(4):485-508, Winter 1989.

Tarlov AR, Ware JE, Greenfield S, Nelson EC, Perrin E, Zubkoff M: The Medical Outcomes Study: An Application of Methods for Monitoring the Results for Medical Care. *The Journal of the American Medical Association*, 262(7):925-930, August 18, 1989.

Nelson EC, Hays RD, Larson CO, Batalden PB: The Patient Judgment System: Reliability and Validity. *Quality Review Bulletin*, 15(6):185-191, June 1989.

Nelson EC, Berwick DM: The Measurement of Health Status in Clinical Practice. *Medical Care*, 27(3):S77-S90, March 1989.

Bess FH, Lichtenstein MJ, Logan SA, Burger CM, Nelson EC: Hearing Impairment as a Determinant of Function in the Elderly. *Journal of the American Geriatric Society*, 37:123-128, February 1989.

Dietrich AJ, Nelson EC, Kirk JW, Zubkoff M, O'Connor GT: Do Primary Physicians Actually Manage Their Patients' Fee-for-Service Care? *The Journal of the American Medical Association*, 259(21):3145-3149, June 1988. ****1989 Research Paper Award, Society of Teachers of Family Medicine.**

Wasson JH, Sauvigne AE, Balestra D, Mogielnicki RP, Nelson EC, Frey WG, Webster S: Capitation for Medical Care: The Importance of Health Status in Older Patients. *Medical Care*, 25(10):1002-1006, October 1987.

Conger B, Nelson EC, Dietrich AJ, Blanchard C, McHugo GJ, Simmons JJ, Vernon P, Secker-Walker R, Wasson JH: Effectiveness of Physician Antismoking Advice. *American Journal of Preventative Medicine*, 3(4):223-226, 1987.

Nelson EC, Wasson JH, Kirk JW, Keller A, Clark D, Dietrick A, Stewart A, Zubkoff M: Assessment of Function in Routine Clinical Practice: Description of the COOP Chart Method and Preliminary Findings. *Journal of Chronic Diseases*, 40(S1):55S-63S, 1987.

Nelson EC, Kirk JW, McHugo G, Douglass R, Ohler J, Wasson JH, Zubkoff M: Chief Complaint Fatigue: A Longitudinal Study From the Patient's Perspective. *Family Practice Research Journal*, 6(4):175-188, Summer 1987.

Howland J, Nelson EC, Barlow PB, McHugo G, Meier FA, Brent P, Laser-Wolston N, Parker HW: Chronic Obstructive Airway Disease: Impact of Health Education. *Chest*, 90(2):233-238, August 1986.

O'Connor GT, Gaylor MS, Nelson EC: Health Counseling: Two Strategies. *Physician Assistant*, 9(5):39-52, May 1985.

O'Connor GT, Gaylor MS, Nelson EC: Health Counseling: Building Patient Rapport. *Physician Assistant*, 9(3):154-155, March 1985.

Nelson EC, McHugo G, Schnurr P, Devito C, Roberts E, Simmons J, Zubkoff W: Medical Self-care Education for Elders: A Controlled Trial to Evaluate Impact. *American Journal of Public Health*, 74(12):1357-1362, December 1984.

Hale FA, Stone KC, Siebert DJ, Nelson EC: A Clinical Cost-Consciousness Learning Packet for Community-Based Clerkships. *Family Medicine*, XVI(4):131-133, July-August 1984.

Nelson EC, Bise BW, Vernon P: Are Computerized Billing Systems an Asset for Small Practices? *MD Computing*, 1(5):16-23, 1984.

Nelson EC, Green LA: The Evolution of Medical Practice Network Computer Systems: Lessons From Two Regional Projects. *Journal of Family Practice*, 19(1):59-65, 1984.

Barlow PB, Nelson EC, Howland J, Meier FA, Brooks AH, Brent PL, Parker HW, Secker-Walker RH: Locating Community Residents with Chronic Airway Obstruction. *American Review of Respiratory Disease*, 129:361-365, 1984.

Nelson EC, Conger, B, Douglass R, Gephart D, Kirk JW, Page R, Clark A, Johnson K, Stone K, Wasson JH, Zubkoff M: Functional Health Status Levels of Primary Care Patients. *The Journal of the American Medical Association*, 249(24):3331-3338, June 24, 1983.

Simmons JJ, Roberts E, Nelson EC: Self-Care: Tools, Strategies, and Methods. *Generations*, 46-47, Spring 1983.

Nelson EC, Simmons JJ: Health promotion--the second public health revolution: promise or threat? *Family and Community Health*, 5(4):1-15, February 1983.

Stamps PL, Kirk JW, Catino D, Clark D, Yuskaitis AJ, Nelson EC, Arnold J: Use of Antibiotics in Primary Care. *Quality Review Bulletin*, 16-21, July 1982.

Bise BW, Hale FA, Nelson EC, Willie TM, Weaver C: Use of a medical information network for practice management. *Journal of Ambulatory Care Management*, 5(1):47-54, February 1982.

Hale FA, Nelson EC, Gephart DS, Stone KC: Education: Use of an Interpractice Medical Information System to Develop a Data-Based Clinical Cost-Consciousness Curriculum in Primary Care Settings. *Medical Decision-Making*, 2(2):217-223, 1982.

Nelson EC, Kirk JW, Bise BW, Chapman RJ, Hale FA, Stamps PL, Wasson JH: The Cooperative Information Project: Part 1: A Sentinel Practice Network for Service and Research in Primary Care. *Journal of Family Practice*, 13(5):641-649, 1981.

Nelson EC, Kirk JW, Bise BW, Chapman RJ, Hale FA, Stamps PL, Wasson JH.: The Cooperative Information Project: Part 2: Some Initial Clinical, Quality Assurance, and Practice Management Studies. *Journal of Family Practice*, 13(6):867-876, 1981.

Bise BW, Hale P, Kirk JW, Nelson EC, Stamps PL, Zubkoff M: Spotlight on drug audits in primary practice. *Patient Care*, December 15, 1980.

Nelson EC, Stason WB, Neutra RR, Solomon HC: Identification of the Noncompliant Hypertensive Patient. *Preventative Medicine*, 9:504-517, 1980.

Nelson EC, Stason WB, Neutra RR, Solomon HS, McArdle PJ: Impact of Patient Perceptions on Compliance with Treatment for Hypertension. *Medical Care*, 16(11):893-906, November 1978.

Nelson EC, Johnson KG, Jacobs AR: Impact of Medex on Physician Activities: Redistribution of Physician Time After Incorporating a Medex into the Practice. *Journal of Family Practice*, 5(4):607-612, 1977.

Nelson EC, Jacobs AR, Cordner K, Johnson KG: Financial Impact of Physician Assistants on Medical Practice. *New England Journal of Medicine*, 293(11):527-530, September 1975.

Nelson EC, Jacobs AR, Breer PE, Johnson KG: Impact of Physician's Assistants on Patient Visits in Ambulatory Care Practices. *Annals of Internal Medicine*, 82(5):608-612, 1975.

Nelson EC, Jacobs AR, Breer PE: A Study of the Validity of the Task Inventory Method of Job Analysis. *Medical Care*, 13(2):104-111, February 1975.

Breer PE, Nelson EC, Bosson IE: Perceptions of Role by MEDEX Physician's Assistants: An Interview Study. *Bulletin NY Academy of Medicine*, 51(2):295-305, February 1975.

Nelson EC, Jacobs AR, Nelson JP: A Change in the Characteristics of MEDEX Applicants and Trainees. *P.A. Journal*, 4(3):54-64, Fall 1974.

Jacobs AR, Johnson KG, Breer PE, Nelson EC: Comparison of Tasks and Activities in Physician-MEDEX Practices. *Public Health Reports*, 89:339-343, July-August 1974.

Nelson EC, Jacobs AR, Johnson KG: Patients' Acceptance of Physician's Assistants. *The Journal of the American Medical Association*, 228(1):63-67, April 1, 1974.

Books and Monographs

Nelson EC, Batalden PB, Lazar J: *Practice-Based Learning and Improvement: Using the Clinical Improvement Action Guide*, Joint Commission Resources, in press June 2007.

Nelson EC, Batalden PB, Godfrey M: *Quality by Design: A Microsystems Approach*. Jossey-Bass, March, 2007.

Shannon KC, Dysinger WS, Nelson EC, et al. *Office of the Future*. FP Essentials, Edition No. 295, AAFP Home Study. Leawood, Kan: American Academy of Family Physicians, December 2003.

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Nelson EC, Roberts E, Simmons J, Tisdale W: *Your Medical and Health Logbook*, Glenview IL: AARP/Scott Foresman and Co., 1989.

Nelson EC, Tisdale A, Roberts E, Simmons JJ: *Medical and Health Guide for People Over Fifty*, Glenview, IL: AARP Books/Scott Foresman and Co., January 1986.

Kane-Williams E, Kauffman CK, Nelson EC, Roberts E, Salisbury ZT, Simmons JJ: *Staying Healthy After Fifty* (Instructor's Manual and Health Planner), Hanover, NH: American Association of Retired Persons/The American National Red Cross/Dartmouth College, 1986.

Book Chapters

Batalden PB, Nelson EC, Gardent, PB, Godfrey MM: Chapter 1. *Leading the Macrosystem and Mesosystem for Microsystem Peak Performance*. Joint Commission Resources, 2005.

- Nelson EC, Batalden PB: Knowledge for Improvement: Improving Quality in the Micro-systems of Care in *Providing Quality of Care in a Cost-Focused Environment*, Goldfield N, Nach DB (eds.), Aspen Publishers, Inc., Gaithersburg, Maryland, 75-88, 1999.
- Nelson EC: Public Disclosure: A Brief Commentary in *Physician Profiling and Risk Adjustment*, Norbert Goldfield, Second Edition, Aspen Publishers, Inc., Gaithersburg, Maryland, 129-132, 1999.
- Nelson EC, Splaine ME, Batalden PB, Plume SK: Measuring Clinical Outcomes at the Front Line in *The Handbook for Managing Change in Healthcare*, ASQ Healthcare Series, Milwaukee, WI, 225-247, 1998.
- Nelson EC, Mihevc NT, Gentry M, Kehne D, Levine A, Batalden PB, Plume SK: Measuring Healthcare System Quality and Performance in *The Handbook for Managing Change in Healthcare*, Chip Caldwell, ASQ Healthcare Series, Milwaukee, Wisconsin, 249-262, 1998.
- Nelson EC, Wasson JH, Johnson DJ, Hays RD: Dartmouth COOP Functional Health Assessment Charts: Brief Measures for Clinical Practice in *Quality of Life and Pharmacoeconomics in Clinical Trials*, New York, NY: Raven Press, Ltd, 161-168, 1995.
- Nelson EC: What is Quality Improvement: A Report from the Field in *Putting Research to Work in Quality Improvement and Quality Assurance*, Grady ML, Bernstein J, Robinson S, (eds.): Washington, District of Columbia: U.S. Department of Health and Human Services, Public Health Service, Agency for Health Care Policy and Research, AHCPR Pub. No. 93-0034, 105-108, July 1993.
- Ware JE Jr, Nelson EC, Sherbourne CD, Stewart AL: Preliminary Tests of a 6-Item General Health Survey: A General Population Application in *Measuring Functioning and Well-Being*, Stewart AL, Ware JE Jr, (eds), Durham and London: Duke University Press, 291-303, 1992.
- Rogers WH, McGlynn EA, Berry SH, Nelson EC, et al.: Methods of Sampling in *Measuring Functioning and Well-Being*, Stewart AL, Ware JE Jr, (eds), Durham and London: Duke University Press, 27-47, 1992.
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