

CURRICULUM VITAE
January 2013
EUGENE CURTIS NELSON

PERSONAL

Date of Birth:	December 8, 1947	Marital Status:	Married, three children
Place of Birth:	Elgin, Illinois	Work Address:	35 Centerra Parkway, Suite 300
Home Address:	P.O. Box 1046 Norwich, Vermont 05055		Lebanon, New Hampshire 03766 (603) 650-6670

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

2010 – on	Director, Population Health Measurement Program at The Dartmouth Institute for Health Policy and Clinical Practice
2010 – on	Director, Population Health and Measurement, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire
1992 – 2009	Director, Quality Administration, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire
1995 – on	Senior Faculty Member, Center for Leadership and Improvement, at The Dartmouth Institute for Health Policy and Clinical Practice, Geisel School of Medicine, Hanover, New Hampshire
1992 – on	Professor, Department of Community and Family Medicine Geisel School of Medicine, Hanover, New Hampshire

- 1990 – on Adjunct Professor, Division of Hearing and Speech Sciences
Vanderbilt University School of Medicine, Nashville, Tennessee
- 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

OTHER SELECTED PROFESSIONAL ACTIVITIES

- 2012 Member, Patient-Reported Outcomes Expert Panel for the Patient-Reported Outcomes Project,
National Quality Foundation
- 2011 – on Population Health Subject Matter Expert: Measures Application Partnership: (M.A.P.)
Clinician Workgroup; National Quality Foundation
- 2011 – on Member, Health Information Technology (H.I.T.): Clinical Quality Workgroup;
Office of the National Coordinator (O.N.C.)
- 2011 Improvement Science Development Group, Faculty, The Health Foundation, UK
- 2010 National Priorities Partnership, Population Health Convening Group
- 2009 Director, Realist Evaluation of Premier-IHI QUEST Program
- 2008 Institute of Medicine Committee on Engineering a New Health Care System
- 2004 Institute of Medicine Performance Measurement Workshop Presenter
- 2004 – on Judge, AHA-McKesson National Quality Quest Award, American Hospital Association
- 1998 – on Board of Trustees: Health Assessment Lab and Medical Outcomes Trust
- 1992 – on Senior Faculty: Institute for Healthcare Improvement
- 1999 – 2001 Member of IOM Sub-Committee that produced book: “Crossing the Quality Chasm”
- 2005 – 2006 Consultant to Malcolm Baldrige Quality Award on Healthcare case study
- 2003 – 2008 Task Force Leader: Whole Systems Measures, Institute for Healthcare Improvement
- 2000 – on Editorial Board: Quality Management in Health Care
- 1992 – 1998 Board of Trustees: Institute for Healthcare Improvement
- 1986 – 1992 Senior Investigator: The Medical Outcomes Study, RAND Corporation

PROFESSIONAL ORGANIZATIONS

American Public Health Association

Association for Health Services Research

Institute for Healthcare Improvement

SELECTED PUBLICATIONS

Journal Articles

Kreindler SA, Larson BK, Wu FM, Carluzzo KL, Gbemudo JN, Struthers A, Van Citters AD, Shortell SM, Nelson EC, Fisher ES (2012), Interpretations of Integration in Early Accountable Care Organizations. *Milbank Quarterly*, 90:457-483. doi: 10.1111/j.1468-0009.2012.00671.x

Meyer GS, Nelson EC, Pryor DB, James B, Swensen SJ, Kaplan GS, Weissberg JI, Bisognano M, Hunt GC, Yates GR, Hunt GC: More quality measures versus measuring what matters: a call for balance and parsimony. *BMJ Quality and Safety Journal August 2012*. Published Online First: 14August 2012 doi: 10.1136/bmjqs-2012-001081

Wasson JH, Forsberg HH, Lindblad S, Mazowita G, McQuillen K, Nelson EC. The Medium Is the (Health) Measure- Patient Engagement Using Personal Technologies. *Journal of Ambulatory Care Management*. 35 (2); 109-117April-June 2012, doi: 10.1097/JAC.0b013e31823a235e

Brown JR, McCullough PA, Splaine ME, Davies L, Ross CS, Dauerman HL, Robb JF, Boss R, Goldberg DJ, Fedele FA, Kellett MA, Phillips WJ, Ver Lee PM, Nelson EC, MacKenzie TA, O'Connor GT, Sarnak MJ, Malenka DJ. How do centers begin the process to prevent CI-AKI: A report from a new regional collaborative. *BMJ Quality & Safety Journal* 2012;21:54-62. doi:10.1136/bmjqs-2011-000041

Swensen SJ, Kaplan GS, Meyer GS, Nelson EC, Hunt GC, Pryor DB, Weissberg JI, Daley J, Yates GR, Chassin MR: Controlling Healthcare Costs by Removing Waste: What American Doctors Can Do Now. *BMJ Quality and Safety Journal* 2011;20:534-537 Published Online First: 21February 2011 doi: 10.1136/bmjqs.2010.049213.

Hvitfeldt H, Carli C, Nelson EC, Mortenson DM, Ruppert BA, Lindblad S. Feed Forward Systems for Patient Participation and Provider Support; Adoption Results from the Original US Context to Sweden and Beyond. *Quality and Safety in Health Care*, 18(4); 247-256, October-December 2010.

Govindan M, VanCitters AD, Nelson EC, Kelly-Cummings J, Suresh G. Automated detection of harm in healthcare with information technology: a systemic review. *BMJ Quality and Safety Journal*: 2010, 19:1-11 originally published online July 29, 2010. doi:10.1136/qshc.2009.033027

Swensen SJ, Meyer GS, Clancy CM, Nelson EC, Hunt, Jr GC, Pryor DB, Weissberg JI, Kaplan GS, Daley JD, Yates GR, Chassin MR, James BC, Berwick DM: Cottage Industry to Post-Industrial — The Revolution in Health Care Delivery. *New England Journal of Medicine*, e12(1)-e12(4) 10.1056/nejmp0911199 nejm.org, February 2010.

McKinley KE, Berry SA, Laam LA, Doll MC, Brin KP, Bothe AB, Godfrey MM, Nelson EC, Batalden PB: Clinical Microsystems Series: Clinical Microsystems, Part 4. Building Innovative Population -Specific Mesosystems. *Joint Commission Journal on Quality and Patient Safety*, 34(11); 655-663, November 2008.

Godfrey MM, Melin CN, Muething SE, Batalden PB, Nelson EC: Clinical Microsystems Series: Clinical Microsystems Part 3. Transformation of Two Hospitals Using Microsystem, Mesosystem, and Macrosystem Strategies. *Joint Commission Journal on Quality and Patient Safety*, 34(10); 591-603, October 2008.

- Homa K, Regan-Smith MG, Foster TC, Nelson EC, Liu SK, Kirkland KB, Heimarck J, Batalden PB: Coaching Physicians In-training to Lead Improvement in Clinical Microsystems: A Qualitative Study on the Role of the Clinical Coach. *The International Journal of Clinical Leadership*, 16, 37-48, October 2008.
- Wasson JH, Anders SG, Moore LG, Ho L, Nelson EC, Godfrey MM, Batalden PB: Clinical Microsystems Series: Clinical Microsystems Part 2. Learning from Micro Practices About Providing Patients the Care They Want and Need. *Joint Commission Journal on Quality and Patient Safety*, 34(8); 445-452, August 2008.
- Nelson EC, Godfrey MM, Batalden PB, Berry SA, Bothe Jr AE, McKinley KE, Melin CN, Muething SE, Moore LG, Wasson JH, Nolan TW: Clinical Microsystems Series: Clinical Microsystems Part 1. The Building Blocks of Health Systems. *Joint Commission Journal on Quality and Patient Safety*, 34(7); 367-378, July 2008.
- Foster TC, Johnson JK, Nelson EC, Batalden PB: Using a Malcolm Baldrige Framework to Understand High-Performing Clinical Microsystems. *Quality & Safety in Health Care* 16; 334-341, November 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. *Annals of Thoracic Surgery* 75:1849-1855, 2003.
- 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.

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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.

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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.

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- 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.
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- 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.
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- 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.
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- 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.
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