Work:

1500 E. Medical Center Drive Ann Arbor, MI 48109 734-647-7794 stkent@umich.edu

PROFESSIONAL EXPERIENCE

Jun 2015 to present Chief Pharmacy Officer

Michigan Medicine

Ann Arbor, Michigan

- Integrated health system (1,059 licensed beds); 450 FTE's
- Expense and revenue budgets of \$600 million and \$1.5 billion, respectively
- Committees: Pharmacy & Therapeutics; Health System Clinical Quality; IT Executive Committee;
 Safety Event Review; Pharmacy Executive Council
- 2021 formed analytics division within the pharmacy department
- 2021 optimized specialty pharmacy business yielding additional \$50 million in margin for MM
- 2020 Co-Chair of COVID Vaccine and Therapeutics Taskforce for University of Michigan
- 2020 consolidated satellite pharmacy operations to main pharmacy large culture change
- 2020 responded to COVID-19 pandemic staffing and drug supply demands; opened field hospital
- 2019 completed \$22 million construction project in 20 compounding areas for USP compliance
- 2019 converted from Omnicell to Pyxis technology
- 2019 received clearance from FDA settling findings from 483 observations and warning letter
- 2018 settled memorandum of agreement with DEA
- 2018 conducted review of pharmacy technology resulting in the award of a \$12 million contract
- 2018 conversion from self-contracting to membership in the Vizient GPO for drug purchases
- 2018 completed comprehensive assessment of compounding facilities and processes
- 2017 established a new organizational structure for the pharmacy department
- 2017 achieved The Joint Commission compounding certification for the health system
- 2016 established practice model committee to determine best model for the future
- 2016 established controlled substances diversion prevention program
- 2015 established formal method for tracking and reporting pharmacy cost savings

Jun 2015 to present University of Michigan College of Pharmacy Ann Arbor, Michigan Associate Dean for Clinical Sciences

Committees: Executive; Budget; Administrative Operations; Residency Advisory

Jan 2000 to Jun 2015 NorthShore University HealthSystem Evanston, Illinois Assistant Vice President – Pharmacy Services

- Four-hospital integrated delivery system (796 licensed beds); 210 FTE's; 21 cost centers
- Expense and revenue budgets of \$133 and \$365 million, respectively
- Corporate Committees: Pharmacy & Therapeutics; Performance Improvement; Joint Commission; Epic Operations; Medical Home; Medical Group Prescription Management
- 2013 increased generic drug prescribing rates in the NorthShore medical group to 75% qualifying the organization for a \$2 million incentive award
- 2013 negotiated a new Pyxis agreement resulting in all new equipment and \$360,000/yr savings

- 2013 expanded pharmacy resident training to physician offices as a strategy for future medication management under accountable care models
- 2013 implemented labor reductions (5%) in response to healthcare financing reform revenue cuts
- 2012 opened 2 oncology specialty pharmacies at Glenbrook Hospital and Highland Park Hospital
- 2012 started 2 new PGY2 residencies: Pharmacy Informatics and Pharmacy Administration
- 2012 opened a new outpatient pharmacy at Glenbrook Hospital
- 2012 opened a new outpatient pharmacy at Skokie Hospital
- 2011 expanded NorthShore's residency program from 4 to 18 positions
- 2011 formalized pharmacist involvement in the medication reconciliation process at NorthShore
- 2010 opened an oncology specialty pharmacy at Evanston Hospital
- 2010 implemented web-based product recall system for corporation
- 2010 added pharmacy residency to Skokie hospital
- 2010 implemented new business model for retail pharmacies positively impacting bottom line
- 2009 integrated Skokie Hospital pharmacy operations into NorthShore system
- 2009 implemented bar-coded medication administration system in outpatient cancer care units
- 2008 helped lead corporate customer loyalty initiative trained as instructor for health-system
- 2008 corporate Supply Chain Initiative committee identified \$4 million in drug-related savings
- 2008 successful accreditations for PGY1; PGY1-Community; and PGY2-Oncology residencies
- 2007 implemented bar-coded medication administration system on all NorthShore inpatient units
- 2006 achieved over \$2 million in savings as part of the value improvement program
- 2005 ASHP Research & Education Foundation Excellence in Medication-Use Safety Award
- 2005 received approval for community pharmacy residency program
- 2004 planned and implemented Clinical Technician program to assist with nursing shortage
- 2004 implemented employee prescription program saved \$800,000
- 2003 opened retail pharmacy in Sunset Foods store Northbrook, IL
- 2003 implemented EpicRx as part of EMR at 3 sites
- 2002 developed pharmacy application (EpicRx™) in conjunction with Epic Systems Corporation
- 2002 implemented medication cost savings initiative over \$3 million saved
- 2001 converted inpatient computer systems at Highland Park Hospital
- 2001 implemented decentralized pharmacy services at Highland Park Hospital
- 2000 coordinated pharmacy–related merger efforts with Highland Park Hospital
- 2000 implemented Pyxis distribution at Highland Park Hospital

July 1993 to December 1999 Evanston Northwestern Healthcare Corporate Director of Pharmacy

Evanston, Illinois

- Two-hospital integrated delivery system (500 licensed beds); 69 FTE's; 7 cost centers
- Expense and revenue budgets of \$13 and \$35 million
- Secretary of the Pharmacy and Therapeutics Committee
- 1999 opened retail pharmacy in Sunset Foods store Libertyville, IL
- 1999 added oncology specialty residency training program
- 1998 developed corporate partnership agreement with Cardinal Health
- 1998 opened retail pharmacy in Sunset Foods store Lake Forest, IL
- 1998 implemented Pyxis distribution system in two hospitals

- 1997 expanded decentralized, clinical pharmacy services
- 1996 reengineered pharmacy services to improve productivity
- 1995 started ASHP accredited pharmacy practice residency program
- 1994 implemented computerized physician order entry system for medications
- 1993 coordinated institution-wide effort to reduce medication costs

February 1988 to July 1993 Milwaukee County Medical Complex Milwaukee, Wisconsin Director of Pharmacy

- 400 licensed beds; 52 FTE's; 4 pharmacy locations
- Expense and revenue budgets of \$10 and \$33 million
- Secretary of the Pharmacy and Therapeutics Committee
- 1993 member of organization CQI development team
- 1992 started ASHP accredited pharmacy practice residency program
- 1991 computerized purchasing and inventory procedures reduced inventory by \$800,000
- 1990 added 14 FTE's and started clinical pharmacy services

July 1983 to February 1988 University of Wisconsin Hospital and Clinics Madison, Wisconsin Assistant Director of Pharmacy - Clinical Services

- 500 bed tertiary care, university teaching hospital
- Managed 36 FTE clinical pharmacists and medication administration technicians
- Responsible for critical care, transplant, and cardiac pharmacy services
- Instructed pharmacy students, interns and residents

July 1980 to July 1983 Good Samaritan Medical Center Milwaukee, Wisconsin Clinical Coordinator/Clinical Manager

- 2 hospital/400 bed community hospital system
- Managed all pharmacists and clinical pharmacy services
- 1982 started pharmacokinetic dosing service
- 1981 implemented decentralized pharmacists

June 1978 to June 1980 University of Wisconsin Hospital and Clinics Madison, Wisconsin Pharmacy Resident

- This ASHP accredited residency was under the direction of David A. Zilz
- Elective rotations were in clinical practice areas.
- Performed clinical pharmacist duties including administration of chemotherapy and other IV drugs.

June 1976 to May 1978 Erie County Medical Center Buffalo, New York Pharmacy Intern

- Learned fundamentals of hospital pharmacy practice working part-time while in pharmacy school.
- Experience was primarily in a surgical ICU satellite pharmacy.

ACADEMIC APPOINTMENTS

2015 to present	University of Michigan College of Pharmacy Assistant Clinical Professor	Ann Arbor, MI
2010 to 2015	Rosalind Franklin University College of Pharmacy Assistant Clinical Professor	North Chicago, IL
2002 to 2015	University of Illinois at Chicago-College of Pharmacy Assistant Clinical Professor	Chicago, IL
1995 to 2002	University of Illinois at Chicago-College of Pharmacy <i>Preceptor</i>	Chicago, IL
1988 to 1993	University of Wisconsin-School of Pharmacy Preceptor	Madison, WI
1983 to 1988	University of Wisconsin-School of Pharmacy Assistant Clinical Professor	Madison, WI
EDUCATION		
1978 – 1980	University of Wisconsin – Madison M.S Hospital Pharmacy	Madison, WI
1973 – 1978	State University of New York at Buffalo B.S Pharmacy	Buffalo, NY

PHARMACY LICENSES

Illinois-051-039533 New York-31739 Wisconsin-10065 Michigan-5302044048

PROFESSIONAL ACHIEVEMENTS AND COMMUNITY ACTIVITIES

- ASHP Task Force on Opioid Crisis Oct-Dec 2019
- Vizient Pharmacy Executive Committee 2017 to 2020
- Dean's Advisory Committee Rosalind Franklin University College of Pharmacy 2010- 2015
- Associate faculty member. ASHP Foundation Leadership Academy 2009 2010
- Novation Pharmacy Executive Council member 2008-2011 (Chair 2009-10)
- Volunteer pharmacist at Healthreach Clinic-Waukegan, IL 2008-2012
- Joint Commission International Standards Subcommittee 2006 to 2015
- Coordinator Chicagoland Residency Networking Forum 2004 to 2008

- University of Illinois College of Pharmacy Dean's Advisory Committee 1999 to 2003
- Professional Advisory Committee ENH Home Health Services 1997 to 2001
- Pharmacy Leadership Institute Boston University May 1999
- Abbott Laboratories Hospital Products Division Pharmacy Advisory Committee 1996-1998
- Coordinator Chicago Area Directors of Pharmacy Networking Forum 1995-97; 2010-15
- Illinois Pharmacy Foundation Vice President of Board of Trustees 1996 to 1998
- Village of Germantown Health Advisory Committee appointed member 1992-93
- University of Wisconsin School of Pharmacy Student Mentor Program -Volunteer mentor 1992-94
- University of Wisconsin School of Pharmacy Board of Visitors member 1993-95
- Health Services Corporation of America Pharmacist Advisory Committee 1990 to 1991
- Executive Management Seminar ASHP University of North Carolina 1989

RESIDENTS PRECEPTED

2020-2022 - David Jackson - PGY1/2 Health System Pharmacy Administration Resident - Univ. of Michigan

2020-2022 – Jalen Evans - PGY1/2 Health System Pharmacy Administration Resident – Univ. of Michigan 2019-2021 – Christian Carlson - PGY1/2 Health System Pharmacy Administration Resident – Univ. of Michigan

2019-2021 - Adam Jones - PGY1/2 Health System Pharmacy Administration Resident - Univ. of Michigan

2018-20 - Corina Spanu - PGY1/2 Health System Pharmacy Administration Resident - Univ. of Michigan

2018-20 - Emily Chen - PGY1/2 Health System Pharmacy Administration Resident - Univ. of Michigan

2017-19 – Jenn Erley - PGY1/2 Health System Pharmacy Administration Resident – Univ. of Michigan

2017-19 - David Dakwa - PGY1/2 Health System Pharmacy Administration Resident - Univ. of Michigan

2016-18 - Casey Spitzer, PGY1/2 Health System Pharmacy Administration Resident – Univ. of Michigan

2018 April – Heena Patel – PGY1 Pharmacy Resident - Univ. of Michigan

2018 - Jacqueline Vonderhaar - PGY1 Community Pharmacy Resident - Univ. of Michigan

2018 - Taylor Weis - PGY1 Pharmacy Resident - Univ. of Michigan

2015-17 - Anthony Boyd, PGY2 Health System Pharmacy Administration Resident - Univ. of Michigan

2017 March – David Dadiomov – PGY1 Pharmacy Resident - Univ. of Michigan

2016 – Jessica Fennelly – PGY1 Community Pharmacy Resident - Univ. of Michigan

1995-2015 – Multiple residents at NorthShore University HealthSystem – Evanston, IL

1990-1993 – Multiple residents at Milwaukee County Medical Complex – Milwaukee, WI

1983-1988 - Multiple residents at the University of Wisconsin Hospital - Madison, WI

STUDENTS PRECEPTED

2021 May – Christabel Lo – University of Michigan

2020 June - Emily Ingalls - University of Michigan

2020 May - Khalil Beidoun - University of Michigan

2019 June – Alexis Hamelink – University of Michigan

2019 March – Kurtis Redmond – University of Michigan

2018 November – David long – University of Michigan

2018 October - Ryan Tarpey - University of Michigan

- 2018 July Brooke Collins University of Michigan
- 2018 June Lauren Aschermann University of Michigan
- 2018 May Joshua Linton University of Michigan
- 2018 March Zachary Norris University of Michigan
- 2017 July Katherine Yang University of Michigan
- 2017 May Natalia Kusior University of Michigan
- 2016 September Jennifer Kolberg University of Michigan
- 2016 August Caroline Quinn University of Michigan
- 2016 June Jennifer Erley University of Michigan
- 1995-2015 Multiple students at NorthShore University HealthSystem Evanston, IL
- 1990-1993 Multiple students at Milwaukee County Medical Complex Milwaukee, WI
- 1983-1988 Multiple students at the University of Wisconsin Hospital Madison, WI

PROFESSIONAL ORGANIZATION INVOLVEMENT

- Michigan Pharmacists Association MSHP Division 2015 to present
 - SMSHP Chair Bylaws Committee 2017 to 2019
- Illinois Council of Health-System Pharmacists 1993 to 2015
- Wisconsin Society of Hospital Pharmacists 1978 to 1996
 - o Presidential Officer 1990-93
 - o Chair Industry Relations Committee 1990-91
 - o Chair Committee on Technicians 1989-90
 - Member Professional Affairs Committee 1980-1984
- American Society of Health-System Pharmacists 1978 to present
 - Appointed to ASHP Pharmacy Practice Accreditation Commission June 2021
 - Member of the ASHP Opioid Task Force Oct-Dec 2019.
 - Member of the Forecast Survey Panel for the ASHP Foundation's *Pharmacy Forecast* report published in *AJHP* February 2018.
 - Member of the ASHP Diversion Prevention Guidelines development task force published in AJHP March 2017.
 - Presidential Officer 2010 2013
 - FASHP Recognition Committee Board Liaison 2009
 - Section of Pharmacy Informatics and Technology Board Liaison 2008-2009
 - Council on Public Policy Board Liaison 2008-2009
 - Chair Treasurer nominating committee 2007
 - Member Board of Directors 2006-2009
 - Council on Pharmacy Management Board Liaison 2007-2008
 - Section of Clinical Specialists and Scientists Board Liaison 2007-2008
 - New Practitioner Forum Board Liaison 2006 2007
 - Member Commission on Credentialing 2002 2005
 - Chair Commission on Credentialing Practitioner Recognition Subcommittee 2005
 - Reviewer for revision of Minimum Standard for Pharmacies in Hospitals April 2003
 - Reviewer for revision of ASHP National Survey of Pharmacy Practice August 1997
 - Member Council on Legal and Public Affairs 1993-1996

AWARDS AND RECOGNITION

- Michigan Society of Health System Pharmacists Pharmacist of the Year Award 2020
- Inducted as Honorary Member Phi Lambda Sigma University of Michigan 2016
- Julius W. Sturmer Memorial Award Rho Chi Honor Society University of the Sciences Philadelphia – April 2012
- Illinois Council of Health System Pharmacist's Health-System Pharmacist of the Year Award 2008
- Recipient Winston Durant Lecture Award University of Wisconsin 2007
- Recipient Abbott National Hospital Pharmacy Quality Award 1997
- Wisconsin Society of Hospital Pharmacists President's Award 1992

PUBLICATIONS

- Chen E, Goold SD, Harrison S, Ali I, Makki I, Kent SS, Shuman AG. Drug shortage management: a qualitative assessment of a collaborative approach. PLOS One. 2021 Apr 23;16(4):e0243870. PMID 33891609
- Lucarotti A, Kent SS, Strickland J, Desmond JS. Impact of Enhanced Compounding Vigilance: Three Perspectives. American Journal of Health-System Pharmacy. 2020; 77(13):1071-6. PMID 32382741
- Chaffee BW, Tharp J, Clark JS, Kent SS. A Compounding Compliance Team at an Academic Medical Center. American Journal of Health-System Pharmacy. 2020; 77 (11): 882-90. PMID 32318700
- Vermeulen LC, Kent SS, et al. ASHP Foundation Pharmacy Forecast 2019: Strategic Planning Advice for Pharmacy Departments in Hospitals and Health Systems. American Journal of Health-System Pharmacy. 2019; 76 (2): 71–100. PMID 30373935
- Boyd AB, Clark JS, **Kent SS**. Strategic Thinking in Pharmacy. *American Journal of Health-System Pharmacy*. 2017; 74 (14): 1103-8. PMID 28522644
- Philip W. Brummond, David F. Chen, William W. Churchill, John S. Clark, Kevin R. Dillon, Doina Dumitru, Lynn Eschenbacher, Toni Fera, Christopher R. Fortier, Kristine K. Gullickson, Kristen Jurakovich, Stan Kent, Jennifer Keonavong, Christine Marchese, Tricia Meyer, Lee B. Murdaugh, Richard K. Ogden, Brian C. O'Neal, Steve Rough, Rafael Saenz and Jacob S. Smith. ASHP Guidelines on Preventing Diversion of Controlled Substances. American Journal of Health-System Pharmacy March 2017, 74 (5) 325-348. PMID 28052859

- Kent S, Kelley L, Choe HM. Ambulatory Pharmacy and Provider Status. MPA Journal. July 2016.
- **Kent S.** Strategy and mission: ASHP's focus on the future. *American Journal of Health-System Pharmacy*, Volume 69, Issue 16, 15 August 2012, Pages e23–e26.
- **Kent S.** Inaugural address of the President-elect: 10,000 hours. *Am J Health Syst Pharm* August 15, 2011 68:1550-1554.
- Kent S. Closing the residency training gap. Am J Health Syst Pharm July 15, 2011 68:1293-1294. PMID 21719587
- Thiel J, Kent S. Case Studies of Organizations' Approaches to Medication Management in Mansur J, ed. A Guide to The Joint Commission's Medication Management Standards. 2nd ed. Joint Commission Resources; 2009: 64-75.
- Michener L, **Kent S.** Employing a 360-Degree Performance Tool: Around the Pharmacy in 360 Degrees in Swartwood Ash D, ed. ASHP's Management Pearls. 1st ed. ASHP; 2008: 11-22.
- **Kent S**, Boecler L. Medication Safety chapter in Dumitru D, ed. The Pharmacy Informatics Primer. 1st ed. ASHP; 2008: 167-77.
- **Kent S.** Update on Joint Commission International Hospital Standards. FIP Hospital Pharmacy Section Newsletter. February 2008.
- Suseno M, Tedeski L, **Kent S** et al. Impact of Documented Pharmacists' Interventions on Patient Care and Cost. Hospital Pharmacy. 1998;33:676-81.
- Agarwal P, Haupert C, **Kent S.** Tailoring Residency Programs to Fit New ASHP Standards Stressing Pharmaceutical Care. AJHP.1994;51;984-8.

PRESENTATIONS

- <u>Diversion Prevention</u> Management Case Presentation ASHP Midyear Meeting Las Vegas.
 Dec 2019
- <u>Pharmacy Services at University of Michigan Health System</u> Presented to pharmacy directors in Wuhan, Chongqing, Hangzhou, Nanjing, Beijing, and Guangzhou China. Nov 1-8, 2019.
- <u>Establishing a Controlled Substances Diversion Prevention Program: From Leadership to the Frontlines</u> ASHP Webinar. March 29, 2017.
- <u>Diversion Prevention: What's A Pharmacy To Do?</u> Presented at the ASHP Midyear Clinical Meeting, Las Vegas, NV. Dec 6, 2016.
- <u>Pharmacy Manpower: 2016 and Beyond....</u> Ohio Northern University Pharmacy Leadership Summit. Feb 11, 2016.
- Keynote speaker University of Michigan Phi Lambda Sigma induction ceremony Pharmacy Leadership Society September 2015.

- Keynote speaker Chicago State University College of Pharmacy White Coat Ceremony Sept 8, 2014.
- <u>Managing the Consulting Engagement</u> 17th Annual ASHP Conference for Pharmacy Leaders Chicago. October 21-2, 2013.
- Keynote speaker White Coat Ceremony Rosalind Franklin University College of Pharmacy, North Chicago, IL. September 28, 2012.
- <u>So Many Pharmacists, So Few Jobs</u> presented to the Kansas-Missouri HealthSystem Pharmacists Annual Meeting, Kansas City, Missouri, April 21, 2012.
- Julius Sturmer Award Acceptance Lecture, Rho Chi Induction University of the Sciences Philadelphia, April 14, 2012
- ASHP Pharmacy Practice Model Initiative presented at DUPHAT 2012, Dubai, UAE, March 14, 2012.
- The Pharmacy Workforce: Implications of Pharmacy School Expansion in the United States presented at DUPHAT 2012, Dubai, UAE, March 12, 2012.
- How Did I Get Here? presented to Purdue University College of Pharmacy, West LaFayette, Indiana, March 5, 2012.
- <u>Professional Leadership</u> presented to Ohio Northern University College of Pharmacy, Ada, Ohio, February 22, 2012.
- <u>ASHP Pharmacy Practice Model Initiative</u> presented at the 2nd Qatar International Pharmaceutical Conference, Doha, Qatar, January 28, 2012.
- <u>So Many Pharmacists, So Few Jobs</u> presented to the Illinois Council of HealthSystem Pharmacists, Oakbrook, Illinois, September 14, 2011.
- <u>ASHP's CareerPharm</u> presented at the International Pharmacy Federation meeting, Hyderabad, India, September 6, 2011.
- ASHP Pharmacy Practice Model Initiative presented at the International Pharmacy Federation meeting, Hyderabad, India, September 6, 2011.
- <u>ASHP Pharmacy Practice Model Initiative</u> presented to the Florida Society of HealthSystem Pharmacists, Orlando, Florida, August 6, 2011.
- ASHP Pharmacy Practice Model Initiative presented to the Georgia Society of HealthSystem Pharmacists, Amelia Island, Florida, July 22, 2011.
- ASHP Pharmacy Practice Model Initiative presented to the Louisiana Society of HealthSystem Pharmacists, New Orleans, Louisiana, May 28, 2011.
- <u>ASHP Pharmacy Practice Model Initiative</u> presented to the Southeastern Michigan Society of HealthSystem Pharmacists, Novi, Michigan, May 11, 2011.
- ASHP Pharmacy Practice Model Initiative presented to the Pharmacy Society of Wisconsin, Madison, Wisconsin, April 20, 2011.
- <u>ASHP Pharmacy Practice Model Initiative</u> presented to the South Carolina Society of HealthSystem Pharmacists, Hilton Head, South Carolina, March 14, 2011.

- IVIG usage and opportunities for cost control at NorthShore University HealthSystem. Poster presentation at ASHP Midyear Clinical Meeting, Anaheim, CA, 12/10.
- Medication Reconciliation and Continuity of Care presented at the HIMSS Conference, Atlanta, Georgia, Feb 28, 2010.
- Medication Process, Closing the Loop (Joint Pharmacy/Nursing Session) presented at the HIMSS Conference, Atlanta, Georgia, Feb 28, 2010.
- <u>Pharmacy Residency Training in the US</u> presented at the Peking Union Medical College Conference, Beijing, China, 04/09.
- Hospital Pharmacy Services in the United States presented at the Peking Union Medical College Conference, Beijing, China, 04/09.
- <u>Dealing Effectively with Pharmaceutical Representatives</u> presented as noon conference to Internal Medicine Residents of NorthShore University HealthSystem, Evanston, IL, 03/09.
- Pharmacy Leadership presented to UIC student members of ASHP, Chicago, IL, 02/09.
- <u>Pharmacy Services in the United States: Assuring Safety and Quality</u> presented at the Jiangsu Pharmaceutical Association Annual Meeting, Nanjing, China, 04/08.
- Winston Durant Lecture presented at UW Residency Program Luncheon, Las Vegas, NV, 12/07.
- Leadership Development presented at ICHP Annual Meeting, Oak Brook, IL, 09/06.
- <u>Planning for Electronic Medical Record/Computerized Prescriber Order Entry Implementation</u> presented at ASHP Summer Meeting, 06/06.
- <u>Utilizing the Electronic Medical Record with Computerized Physician Order Entry to Meet the</u>
 <u>JCAHO National Patient Safety Goals Related to Medication Use</u> poster presented at the
 Chicago Patient Safety Forum 03/05.
- Implementation of a Pharmacy Computer System Integrated with Computerized Physician Order Entry and an Electronic Medical Record presented at ASHP Midyear Meeting, Orlando, FL, 12/04.
- <u>Implementing Medication Ordering: CPOE in the Perioperative Setting</u> presented at EpicSystems User Group meeting; Madison, WI, 09/04.
- "Rational Resident Selection" presented at ASHP Resident Preceptor's Conf., San Diego, CA, 8/04.
- <u>Narcotic Waste Documentation Compliance: Enhancement Using Continuous Quality Improvement</u> poster presentation at ASHP Midyear Clinical Meeting, New Orleans, LA, 12/03.
- Epic Rx Implementation at Evanston Northwestern Healthcare presented at EpicSystems User Group meeting; Madison, WI, 09/03.
- <u>Connecting Physician Order Entry with Pharmacy Dispensing</u> presented at EpicSystems User Group meeting; Madison, WI, 09/03.
- <u>"A Novel Method for Meeting Staffing Commitment by Pharmacy Practice Residents"</u> poster at ASHP Resident Preceptor's Conference, San Diego, CA, 8/02.
- "Finding and Keeping the Best Pharmacists" presented at ICHP Annual Meeting, 9/01.
- <u>"A Community Hospital Network's Response to the Institute of Medicine Report, 'To Err is Human'"</u> presented at ASHP Midyear Meeting, 12/00.
- <u>"Error in Medicine: Focus on Medications"</u> Health Services Committee Evanston Northwestern Healthcare Board of Directors, 4/00.
- "Implementation of Pyxis Medstation RX 2000" Pyxis Sponsored Seminar; Oak Brook, Illinois, 10/99.
- "Business Proposals for Clinical Pharmacy Service" Intermountain Healthcare Spring Conf. 5/98.
- "Strategies for Medication Use Cost Reduction" presented at ASHP Midyear Meeting, 12/95.
- "Use of New Cardiac Medications" presentation to the Mended Hearts Club. 8/95.

- "Cost Effective Prescribing" presentation to medical residents at Glenbrook Hospital, 4/94.
- "Computerized Medication Delivery Systems" to Evanston Hospital Corporation Dept Heads, 3/94.
- "Stress Reduction: Applying CQI Concepts in an Outpatient Setting" at ASHP Annual Meeting, 6/93.
- "ASHP Residency Accreditation: Meeting the New Standards" at the ASHP Annual Meeting, 6/93.
- "Preparing for Internship-Practical Prescribing" to Medical College of Wis (MCOW) students, 5/93.
- "The Entry Level PharmD Degree Administrative Perspectives" WSHP Annual Meeting, 5/93.
- "Ethics and the Pharmaceutical Industry" presented to MCOW Second Year class, 4/93.
- "Prescribing Drugs" presented to Medical College of Wisconsin Second Year class, 7/92 and 8/92.
- "National Health Insurance: Impact on Pharmacy Practice" to MCMC pharmacy staff, 6/92.
- "High Cost of Pharmaceuticals" presented to Germantown Rotary Club, 2/92.
- "Seventy-two Hour Microbial Stability of Automix Transfer Sets" at the ASHP Annual Meeting, 6/91.
- "Lidocaine Use: Toxicity and Serum Concentrations" poster at the WSHP Annual Meeting, 4/91.
- "Relationships Between Health Care Professionals and Pharmaceutical Industry" to MCOW, 2/91.
- "Commonly Used Medications in the Elderly" to Social Workers -Milwaukee County, 10/89.
- "Pulmonary Drug Therapies" to pulmonary nurses at UW-Madison, 8/86.
- "Immunosuppressives in Heart and Liver Transplantation" transplant nurses at UW-Madison, 3/85.
- "Administrative Duties of a Clinical Coordinator" to attendees of WSHP Annual Meeting, 5/83.
- "Development of a Productivity Utilization Index" poster at WSHP Annual Meeting, 5/82.
- "Rational Use of Antihypertensive Agents" to public health nurses in Darlington, Wisconsin, 1/80.
- "Reimbursement for Pharmacy Services" to University of Wisconsin pharmacy students, 10/79.
- "Benzodiazepine Pharmacokinetics" to pharmacy residents and faculty at UW-Madison, 9/79.
- "Digoxin Pharmacokinetics" to pharmacy residents and faculty at UW-Madison, 9/78.

PERSONAL INTERESTS

Golf; skiing; reading; travel