

PATRICIA CLANCY KIENLE

HOME ADDRESS

106 Elmwood Drive
Lafin, Pennsylvania 18702

Cell: 570-947-4271
E-mail: pckienle@comcast.net

BUSINESS ADDRESS

Cardinal Health
Innovative Delivery Solutions
13651 Dublin Court
Stafford, Texas 77477

Cell: 570-947-4271
E-mail: patricia.kienle@cardinalhealth.com

EXPERIENCE

Cardinal Health

Innovative Delivery Solutions

Director, Accreditation and Medication Safety, July 2008 – present

Center for Safety and Clinical Excellence

Director, Accreditation and Medication Safety, January 2007 – June 2008

Integrated Medication Solutions

Safety and Quality Lead, October 2005 – December 2006

Pharmacy Management (formerly Owen Healthcare)

Operations Director, Accreditation and Medication Safety

July 2004 – September 2005

Medication Safety Manager

September 2000 – June 2004

System Director of Pharmacy Services, Mercy Health Partners, Northeastern Pennsylvania

February 1999 – August 2000

Mercy Health Partners, Northeastern Pennsylvania

Regional Director of Pharmacy Services

April 1995 – January 1999

Mercy Hospital, Wilkes-Barre, Pennsylvania

Director of Pharmacy Services and Materials Management

November 1994 - April 1995

Director of Pharmacy Services and Central Supply

September 1992 - October 1994

Director of Pharmacy Services

April 1988 - August 1992

Assistant Director of Pharmacy

June 1982 - March 1988

Pharmacy Manager

June 1976 - May 1982

Staff Pharmacist

June 1975 - May 1976

EDUCATION - ACADEMIC DEGREES

M.P.A. Health Service Administration (1979 - 1983)
Marywood College, Scranton, Pennsylvania

B.Sc. Pharmacy (1970 - 1975)
Philadelphia College of Pharmacy and Science, Philadelphia, Pennsylvania

EDUCATION - OTHER

Executive Fellowship in Patient Safety (2003)
Medical College of Virginia, Department of Health Administration
Virginia Commonwealth University, Richmond, Virginia

Certificate (October 1994)
Leonard Davis Institute of Health Economics
University of Pennsylvania, Wharton School of Business, Philadelphia, Pennsylvania

Certificate (February 1991)

Hospital Pharmacist Development Institute
Duke University, Fuqua School of Business, Durham, North Carolina

Certificate (May 1989)

ASHP Executive Management Program
University of North Carolina, Chapel Hill, North Carolina

Internship (1975)

Mercy Hospital
Wilkes-Barre, Pennsylvania

LICENSURE – REGISTERED PHARMACIST

Pennsylvania
New Jersey
Florida

SPECIALTY CERTIFICATION

Board Certified Sterile Compounding Pharmacist (BCSCP): 2020-2026

ACADEMIC APPOINTMENTS

Wilkes University, Wilkes-Barre, Pennsylvania
Adjunct Clinical Faculty: 2020 – 2023
Adjunct Associate Professor: 1996 - 2020
Pharmaceutical Care Lab Committee: 1998 - 1999
Clinical Faculty Search Committee: 1996 - 1998
Curriculum Committee: 1996 - 1998
Pharmacy Advisory Council: 1996 - 1997
Health Sciences Committee: 1993 - 1996
Advisory Team, Pharmacy Curriculum: 1993

Philadelphia College of Pharmacy, University of the Sciences in Philadelphia, Philadelphia, Pennsylvania
Site Coordinator, Continuing Education: 1983 - 2014
Clinical Assistant Professor: 1994 - 2000
Clinical Instructor in Pharmacy Practice: 1981 - 1994

Duquesne University, Pittsburgh, Pennsylvania
Adjunct Instructor of Pharmacy: 1976 - 2000

CARDINAL HEALTH COMMITTEES

Cardinal Health Patient Safety Grant Program Review Committee
Member: 2007 - 2019

Cardinal Health Foundation E3 Learning Community Steering Committee
Member: 2016-2018

Clinical Council
Member: 2007 – 2008

Clinical and Safety Council
Member: 2004 – 2005

HOSPITAL/HEALTH SYSTEM COMMITTEES

Pharmacy and Therapeutics Committee
Wilkes-Barre: Member and Secretary, 1975 - 2000
Scranton: Member, 1995 to 2000; Secretary, 1998
Nanticoke: Member, 1999

Corporate Compliance Committee
Regional: Member, 1997 - 2000

Expense Reduction Team

Scranton: Member, 2000
Wilkes-Barre: Member, 2000

Forms Review Committee

Wilkes-Barre: Member, 2000
Regional: Member, 1998 - 1999

Pharmacy/Nursing/Dietary Services Committee

Wilkes-Barre: Chair, 1976 - 1998
Mercy Health Care Center: Member, 1991 - 1998
Scranton: Chair, 1995 - 1998
Nanticoke: Chair, 1996 - 1999

JCAHO Continuous Survey Readiness Program

Regional: Member, 1998 - 1999

Hospital Negotiating Team

Scranton: Member, 1999

Supply Expense Reduction Team

Regional: Member, 1999

Process Improvement Teams

Scranton: Emergency Medication Team; Member, 1996 - 1999
Scranton: Medication Process Improvement Committee; Member, 1999
Wilkes-Barre: Medication Use Improvement; Leader, 1999
Regional: Charge Description Master Team; Member, 1999

Capital Expenditure Oversight Committee

Regional: Member, 1998

Reengineering Resource Team

Scranton: Member, 1995

High Performance Team

Wilkes-Barre: Chair, 1989

Task Force on Hazardous Substances

Wilkes-Barre: Chair, 1989

Work Environment Committee

Wilkes-Barre: Member, 1980 - 1982

Infection Control Committee

Wilkes-Barre: Member, 1976 - 1979

PROFESSIONAL INFORMATION**American Society of Health-System Pharmacists**

Content Matter Expert: BCSCP Recertification Program, 2019-2021
Participant, Forecast Survey Panel, 2018-2022
Reviewer, MidYear Clinical Meeting presentations: 2013-2021
John W. Webb Lecture Award Selection Committee: Chair, 2020
House of Delegates: Delegate: 1987-1993, 1998-2004, 2008-2018; Alternate: 1987, 1997, 2005-2007
Member, Sterile Products Workgroup, 2018-2019
Section of Pharmacy Practice Managers Compounding Workgroup: 2017-2019
Medication Management Accountability Measures Workgroup: Member, 2011-2015
Foundation Insourcing Sterile Products Tool Expert Panel: 2014
Reviewer, MidYear Clinical Meeting Management Case Studies: 2014
Program Chair: Benchmarking and Improving Your Compounding Practice, December 2020; Compounding Sterile Preparations Intensive Studies, June 2020; Reviewing the Evidence Behind USP <797>, December 2019; Sterile Compounding Workshop, June 2019; USP <797>: Let's Tackle the Non-Compliant Elements, December 2018; Chapter Tales: Practical USP Updates for 2018; USP <797> Alert: React and Remediate When Something is Growing in Your IV Room, December 2017; How Do I Do

An Assessment of Risk?, June 2017; USP <800>: Strategies for Compliance with Handling Hazardous Drugs, December 2016; Unforeseen Dangers: Managing Hazardous Drugs Outside the Pharmacy, June 2016; Hazardous Drugs: USP, NIOSH, and OSHA. Oh, My!, December 2015; USP <797> Update: A Town Hall with the Specialists, December 2015; Hazardous Drugs – Protecting Patients and Practitioners: New Information from NIOSH and USP, December 2014; What has the Compounding Tragedy Taught Us?, June 2013

Leaders (formerly Leadership) Conference Steering Committee: Member, 2005-2015

Sterile Preparations Guidelines Expert Panel: Chair, 2008-2013

Insulin Safety Expert Panel: Chair, 2012

Reviewer, Management Case Studies, 2012 MidYear Clinical Meeting

Meeting Programming Associate: Strategies for Reducing Anesthesia Medication Errors, December 2013; Compounding Conundrums, December 2013; Do You Det Norske Veritas? Understanding DNV's NIAHO Accreditation, ISO Quality Standards and other Accrediting Organizations, June 2010; Developing a Safety Agenda for Your Organization: A Common-Sense Approach, 2001; Talking Safety: How to Effectively Communicate Your Agenda to Administrators and Clinicians, 2001; Dealing Effectively with Staff Shortages, 2000; Practical Management Skills for New Supervisors, 1999 and 1998; Redeploying Pharmacists within Health Systems, 1997

Educational Programming Committee: Member, 2011

Quality Improvement Initiatives Expert Panel: Chair, 2006 – 2010

Reviewer, ASHP Guidance Documents: ASHP Statement on the Pharmacist's Role in Antimicrobial Stewardship and Infection Prevention and Control, 2010; ASHP Statement on the Pharmacist's Role in National Health Care Quality Initiatives, 2010; ASHP Guidelines on Remote Medication Order Processing, 2010; ASHP Guidelines on Managing Drug Product Shortages in Hospitals and Health Systems, 2009; Reviewer, ASHP Guidance Document on the Pharmacist Role in Public Health, 2007; ASHP Guidance Document on Medication Use Policy Development, 2007; ASHP Guidance Document on Formulary Management, 2007

FASHP Recognition Committee: Member, 2007; Chair, 2008

Section of Inpatient Care Practitioners Nominating Committee: Member, 2005, 2006, 2007; Chair, 2004

Advisory Committee on the USP Convention: Member, 2005

Reviewer, MidYear Clinical Meeting posters: 2005, 2004

Qualified Provider Model Committee: Member, 2005

JCAHO-ASHP Expert Advisory Committee on USP 797: Member, 2004

Leading Edge Program: Faculty, 2002, 2003

Foundation Board Development Committee: Member, 2003

Management/Leadership Community: Design Team, 2002-2003

Practice Gaps Project: Member, 2003

Expert Panel, Minimum Standards for Pharmacies in Hospitals: Member, 2003

Medication Safety Checklist Review Committee: Member, 2002

Pharmacy Practice Management Advisory Group: Member, 2000 - 2001, Board Liaison, 1995 - 1996

Leadership Advisory Panel: Member, 1999

ASHP Advantage Advisory Panel: Member, 1999

Ad Hoc Committee on Policy Development: 1998

Board of Directors: Member, 1993 – 1996

Council Liaison: Educational Affairs, 1995 - 1996; Professional Affairs, 1994 - 1995; Administrative Affairs, 1993 - 1994

Productivity Measurement Advisory Group: Member, 1996

Search and Screen Committee: Member, 1994 to 1995

Council on Legal and Public Affairs: Chair: 1992-1993; Vice-Chairman: 1991-1992; Member: 1990-1993

Writers' Group, Technical Assistance Bulletin on the Institutional Use of Controlled Substances: Leader, 1992

PharmaTrend Ad Hoc Advisory Group: Member, 1992

Committee on Nominations: Member, 1989 - 1990; Alternate, 1988 - 1989

Ad Hoc Panel on Cost-Effectiveness Initiatives: Member, 1989

State Chapter Grants Selection Panel: Member, 1989

Commission on Goals: Vice-Chairman, 1987 - 1988

Working Group on State Chapter Affiliates: Member, 1987

Council on Organizational Affairs: Chairman, 1986 - 1987; Member, 1983 – 1987

United States Pharmacopeia

Compounding Expert Committee

Member, 2010-2015, 2015-2020, and 2020-2025

Vice-Chair, 2015-2017

Chair, Expert Panel – <800> Compounding with Hazardous Drugs, 2010 - 2016

<800> Subcommittee – Member 2020-2025, Chair 2010-2020

<797> Subcommittee – Member 2010-2025

Radiopharmaceutical Standards Expert Panel
Member, 2020-2025
Radiopharmaceutical Expert Panel
Member, 2017-2020
Packaging, Storage and Distribution Expert Committee
Non-voting Expert, 2013-2016
Good Distribution Practices Expert Committee
Member, Subcommittee, 2013-2016

Institute for Safe Medication Practices
Member, National Medication Safety Targets Advisory Panel: 2013-2021
Member, High Alert Drug Expert Advisory Committee: 2016
Member, Board of Directors: 1994 - 1997
Advisory Board, Hospital Pharmacy Practice: 1995 – 1996

American Institute of the History of Pharmacy
Committee on Awards, Member: 2018-2020
Investment Committee, Member: 2021-2024

Pharmacy Technician Accreditation Board
Hazardous Drug Management Task Force, 2019--2020
Sterile Compounding Advanced Certification Program Task Force, 2015-2017

Board of Pharmaceutical Specialties
Member, Compounded Sterile Preparations Pharmacy Specialty Council: 2018
Reviewer, Sterile Compounding Role Delineation: 2015
Member, Specialty Council on Pharmacotherapy: 2000 – 2005
Panel for Domain III Questions: 2002 – 2005

Joint Commission on Accreditation of Healthcare Organizations
Medication Compounding Technical Advisory Panel: 2015-2016
Hospital Professional and Technical Advisory Committee, Member representing ASHP: 2000 – 2005

International Pharmaceutical Federation
Member, Working Group on Pharmacist Role in the Supply Chain: 2015-2017

Florida State Board of Pharmacy
Member, Special Compounding Panel: 2013

National Patient Safety Foundation
Member, Board of Governors: 2006 – 2007

National Quality Forum
National Voluntary Consensus Standards Maintenance Committee on Serious Reportable Events, Member
2005-2006

Pennsylvania Patient Safety Authority
Member: 2002 - 2004

Pennsylvania Society of Health-System Pharmacists
PPA-PSHP Work Group on Compounding Regulations for Pennsylvania, 2013
Member, Finance Committee: 2007 – 2011
Member, Task Force to Select Board of Pharmacy Candidate - 2011
Member, Management Firm Search Committee – 2010 - present
Member, Center for Proper Medication Use, Grant Selection Panel, 2002
Member, Strategic Planning Committee, 2001 - 2003
Facilitator, Strategic Reengineering Retreat, 2001
Chair: JCHAO Standards Update Seminar, 2001
Executive Vice President Search Committee: 1997, 1986
Educational Advisory Panel: 1995, 1999
Program Committee, Annual Assembly: 1994
Presidential Offices: 1988 – 1991
Treasurer: 1979 - 1988, 1989
Board of Directors: 1978 – 1991

Lambda Kappa Sigma International Pharmacy Fraternity
Trustee, Trust Liaison Committee: 1994 – 2008
Fraternity Advisor, Alpha Phi Chapter (Wilkes University): 2004-2005
Advisor: 1988 - 1990
President: 1984 – 1988
Vice-President: 1978 - 1984
Eastern Regional Supervisor: 1976 – 1978

Lackawanna County Pharmaceutical Association
Member, Board of Directors: 1983 - 1984
Chairman, Continuing Education: 1976 - 1979

Northeastern Pennsylvania Society of Hospital Pharmacists
Presidential Offices: 1977 - 1980

MEMBERSHIP

American Society of Health-System Pharmacists
American Pharmacists Association
Pennsylvania Society of Health-System Pharmacists
Lambda Kappa Sigma International Pharmacy Fraternity
American Institute of the History of Pharmacy

COMMUNITY ACTIVITIES

Wilkes (Pennsylvania) University Council
Member: 1995 - 2001

Media Information Services
Participant: 1987 -1993

Boy Scouts of America, Penn Mountains (Pennsylvania) Council
Member, Speakers Bureau: 1987 - 1990

American Diabetes Association - Wilkes-Barre (Pennsylvania) Area Chapter
Member, Board of Directors: 1978 - 1981

Juvenile Diabetes Foundation - Northeastern Pennsylvania Chapter
Member, Board of Directors: 1976 – 1978

HONORS AND AWARDS

USP, Thomas S. Foster Award, 2020

USP Award for Outstanding Contribution to the Standards, recognition of <825> Expert Panel, 2019

ASHP, John W. Webb Lecture Award, 2018

University of the Sciences, Annual Alumnus Award, 2017

Lambda Kappa Sigma Award of Merit, 2016

ASHP Award for Distinguished Leadership in Health-System Pharmacy Practice, 2014

FDA Leveraging/Collaboration Award, State Compounding Pharmacy Training Group, 2014

Collaborative Excellence Team Award for Nuclear and Pharmacy Solutions, Cardinal Health, 2013

USP Award for Outstanding Contribution to the USP Standards-setting Process, USP Compounding Expert Committee, 2013

Customer Service Award, Cardinal Health Pharmacy Solutions, 2011

Sister Gonzales Duffy Lecture Award, Pennsylvania Society of Health-System Pharmacists, 2003

Key Legal and Regulatory Issues in Institutional Pharmacy Practice (with J Uselton, L Murdaugh and D Holdford) in *Introduction to Hospital and Health System Pharmacy Practice*, ASHP, 2010

Uselton J, Kienle P, and Murdaugh L, *Assuring Continuous Compliance with Joint Commission Standards: A Pharmacy Guide*, 8th edition. Co-editor and author, ASHP, 2010

Compounding Sterile Preparations: *ASHP's Visual Guide to Chapter <797>, video and Companion Guide*, ASHP, 2008

Preventing Medication Errors (with J Santell), in *Medication Use: A Systems Approach to Reducing Errors*, Second Edition, Joint Commission Resources, 2008

Assuring Continuous Compliance with Joint Commission Standards: A Pharmacy Guide, 7th edition. Contributor, 2008

Preparing the Pharmacy for Continuous Compliance with Joint Commission Standards, 6th edition, Contributor, 2006

Understanding JCAHO Requirements for Hospital Pharmacies, Editor, Facts and Comparisons, June 2005

Preparing to Meet Joint Commission Patient Safety Goals, Contributing Author, ASHP, May 2004

Medication Errors, in Peterson AM (editor), *Managing Pharmacy Practice: Principles, Strategies, and Systems*. CRC Press, March 2004

Iron supplements, thrombolytic enzymes and anticoagulants. *Physician's 1990 Drug Handbook*, 1990. Revised: *Physician's 1991 Drug Handbook*, 1991. Revised: *Physician's 1992 Drug Handbook*, 1992. Revised: *Physician's Drug Handbook*, 5th Edition, 1993. Springhouse Corporation

Iron supplements, thrombolytic enzymes and anticoagulants. *Handbook of Pediatric Drug Therapy*. Springhouse Corporation 1990

Hematologic Agents. *Springhouse Drug Reference*. Springhouse Corporation 1988.

PUBLICATIONS

Kienle's 10 New Building Blocks of Compounding Safety, Pharmacy Practice News, 2021 Compounding Special Edition, June 2021, pp 18-20, , <https://www.pharmacypracticenews.com/Operations-and-Management/Article/06-21/Kienle-s-10-New-Building-Blocks-of-Compounding-Safety/63539>

Best Practices for HD Handling, Pharmacy Purchasing and Products, May 2021, 18(5), <https://www.pppmag.com/digitalmag/Main.php?MagNo=299&PageNo=1>

Identify Gaps in USP <800> Compliance, Pharmacy Purchasing and Products, May 2021, 18(5), pp 2, 4, www.pppmag.com/article/2741

Gabay M, Johnson P, Fanikos J, et al, Report on 2020 Safe to Touch Consensus Conference on Hazardous Drug Surface Contamination, Am J Health-Sys Pharm, published online in advance of print, <https://doi.org/10.1093/ajhp/zxab134>

Ensuring Safety in the IV Process, Pharmacy Purchasing and Products, November 2020, 17(11):42-43, <https://www.pppmag.com/digitalmag/Main.php?MagNo=284&PageNo=44#page/44>

ASHP Tech CE Monograph, Meeting the Standards for Radiopharmaceuticals in USP Chapter <825>: What You Need to Know to Get Started, August 2020

Kienle PC, Conducting Effective HD Spill Drills, Pharmacy Purchasing & Products, July 2020, 17(7):12,14-15, <https://www.pppmag.com/digitalmag/Main.php?MagNo=274&PageNo=14#page/14>

Kienle PC, Kienle's 10 New Building Blocks of Compounding Safety, Pharmacy Practice News Special Edition, June 2020, pp 18-19, bit.ly/3f1ZCNc

Kienle PC, Sterile compounding safety: the pharmacist's responsibility. Am J Health-Syst Pharm. 2020(Jun 1), 77(11):811-813. <https://doi.org/10.1093/ajhp/zxaa055>

Kienle PC, USP General Chapter <797> 2019 Update: A Guide to Sterile Compounding for Pharmacy Personnel, PowerPak, October 2019, <https://www.powerpak.com/course/preamble/118836>

McDiarmid MA, Polovich M, Power LA, Connor TH, Kienle PC, Criticisms of Cochrane Review on closed-system transfer devices remain valid, American J of Health Syst Pharm 2019 (Sep 1), 75(17); 1269-1271, <https://doi.org/10.1093/ajhp/zxz137>

Kienle PC, Nimble Leadership: A Framework for Future Success, Am J HealthSyst Pharm. 2019(Feb 15), 76(4):221-224. DOI 10.1093/ajhp/zxy044.

Kienle PC, Unforeseen Dangers: Drugs That are Hazardous to Health Care Personnel, J of Infusion Nursing 42(1):44-48, 2019 Jan/Feb

AJHP Jan 15, 2019 Ride Along - ASHP, Pharmacy Quick Reference Guide: Hazardous Drug Safety and Compliance with USP Chapter <800> in the Health System, planner and reviewer, 2018

Ganio MC, Kienle PC, and McEvoy GK. The evolution of hazardous drug safety: Thirty-five years of protecting healthcare personnel. American J Health Syst Pharm. 2018(Dec 15), 75(24):1970-1. <https://doi.org/10.2146/ajhp180731>.

McDiarmid MA, Polovich M, Power L, Connor T, Kienle PC, Published review of closed-system drug-transfer devices: Limitations and implications. Am J Health Syst Pharm. 2018(Dec 15), 75(24):1982-5. <https://doi:10.2146/ajhp180631>.

Kienle PC. USP <797> Proposed Revisions, Pharmacy Purchasing and Products, October 2018, v 15, no 10, supplement, pp S 1-2, 4, 20; also available at <https://www.pppmag.com/article/2303>

Power LA, Polovich M, McDiarmid MA, Kienle PC, Cochrane Review on CSTDs Misses the Mark, Pharmacy Practice News, September 2018, V 45, No 9, pp 15, 25, also available at <https://www.pharmacypracticenews.com/Clinical/Article/09-18/Cochrane-Review-on-CSTDs-Misses-the-Mark/52639>

The risk of surface contamination, Pharmacy Purchasing and Products, V 15, No 5, pp 21-22, May 2018

Guzman O, Shea K, Spencer D, Bariteau J, Kienle P. Alternative Administration Techniques for the SVP Shortage, Pharmacy Purchasing and Products, V 15, No 4, pp 20-24, April 2018, also available at https://www.pppmag.com/download.php?article=2199&file=documents/V15N4/pdfs/ppp_1804_svp_shortages_cs.pdf

Kienle PC, Compounding nonsterile preparations: USP <795> and <800>, Pharmacy Today, 2017, v 23, no 10, 56-72, also available at [http://www.pharmacytoday.org/article/S1042-0991\(17\)31481-0/fulltext?elsca1=etoc&elsca2=email&elsca3=1042-0991_201710_23_10_&elsca4=Health%20Professions%7CPharmacy%7CHealth%20Policy](http://www.pharmacytoday.org/article/S1042-0991(17)31481-0/fulltext?elsca1=etoc&elsca2=email&elsca3=1042-0991_201710_23_10_&elsca4=Health%20Professions%7CPharmacy%7CHealth%20Policy)

USP General Chapter <800>: A Pharmacy Professional's Guide to Handling and Compounding Hazardous Drugs (with Angela Long), PowerPak, www.powerpak.com

The Scope and Background of Medication Safety and Setting the Medication Safety Agenda (with M Cohen), ASHP Medication Safety Certificate Program. ASHP, 2017.

USP General Chapter <797>: A Guide to Sterile Compounding for Pharmacy Personnel (with A Long). PowerPak, April 2017.

Preparing for USP <800> (with E Kastango, M Polovich, and E Kessler), www.readyfor800.com. bbraun, May 2017.

Perform an Assessment of Risk to Comply with USP <800> (with K Douglass). Pharmacy Purchasing and Products March 2017, v 14 no 3, pp 26,38-39, <https://www.pppmag.com/article/2012>.

Ensuring <800> Compliance Beyond Pharmacy, Pharmacy Purchasing and Products, September 2016, volume 13, number 9, available at <http://www.pppmag.com/digitalmag/Main.php?MagNo=169&PageNo=4#page/4>

New Standards for the Safe Handling of Hazardous Drugs, Infusion, May/June 2016, pp 46-52

Handling Hazardous Drugs is About Protecting Healthcare Personnel and Patients, USP Quality Matters, February 2016, available at <http://qualitymatters.usp.org/handling-hazardous-drugs-about-protecting-healthcare-personnel-and-patients>

Preparing for USP <800> Hazardous Drugs – Handling in Healthcare Settings, Pharmacists Mutual, Risk Management, 2015 Commercial Lines Edition IV, December 2015; also available at https://apps.phmic.com/RMNLFlipbook/12_2015/.

ASHP Guidelines on Outsourcing Sterile Compounding Services, Am J Health Syst Pharm 2015 (Oct 1),72:1664-75, also available at www.ashp.org/DocLibrary/Bestpractices/MgmtGdlOutsourcingSterileComp.aspx

An Update on Protecting Health Care Practitioners and Patients from Hazardous Drugs, ASHP Advantage, April 2015, available at <http://www.ashpadvantagemedia.com/usp800/> .

Update on Proposed Chapter USP <800> - Pharmacy Purchasing and Products, 2015 (Feb), Vol12, No 2, pp 2,4. Also available at http://www.pppmag.com/article/1636/February_2015/Update_on_Proposed_USP_Chapter_800/

Are you ready for USP 800?, Clinical Perspectives in Compounding, Pharmacy One Source, March 2015, available at, <http://blog.pharmacyonesource.com/compounding/are-you-ready-for-usp-800> ,

The Drug Quality and Security Act: A New Reality for the Practice of Outsourcing Compounded Sterile Preparations, Pharmacy Practice News Special Report, November 2014, Donnelly AJ, Kienle PC, Lake RT, Stevenson JG, Viscusi ER, also available at http://www.pharmacypracticenews.com/download/SR1425PharMEDium_WM.pdf

Understanding the New Proposed USP Chapter <800>, Pharmacy Purchasing and Products, 2014 (June) V 11, No 6, pp 6-7, 24, also available at <http://pppmag.com/digitalmag/Main.php?MagID=2&MagNo=119&PageNo=12&n&PageNo=6>

New Proposed USP <800>: Hazardous Drug Handling, Pharmacy Purchasing and Products, 2014 (May) V 11, no 5, pp 34-36, 38, also available at http://www.pppmag.com/article/1511/May_2014/New_Proposed_USP_800_Hazardous_Drugs_Handling/

Quality Assurance and Quality Control of Sterile Compounding, in: *Concepts in Sterile Preparations and Aseptic Technique*, March 2014, ISBN 978-1-284-03572-8

ASHP Guidelines on Compounded Sterile Preparations, Am J Health-Syst Pharm, 2014 (Jan 15);71:145-66, also available at www.ashp.org/DocLibrary/BestPractices/PrepGdlCSP.aspx

Cobaugh DJ, Maynard G, Cooper L, Kienle PC, Vigersky R, Childers D, Weber R, Carson SL, Mabrey ME, Roderman N, Blum F, Burkholder R, Dortch M, Grunberger G, Hays D, Henderson R, Ketz J, Lemke T, Varma SK, Cohen M. Enhancing insulin-use safety in hospitals: Practical recommendations from an ASHP Foundation expert consensus panel. Am J Health Syst Pharm. 2013 Aug 15;70(16):1404-1413. PubMed PMID: 23903479.

Quality Management Overview, ASHP, April 2013, available at www.pharmacytechce.com

Tips for Managing Radiopharmaceuticals, Pharmacy Purchasing and Products, 2013 (March), v 10 no 3, pp 30,32, also available at <http://pppmag.com/digitalmag/Main.php?MagID=2&MagNo=84&PageNo=30>

Experts offer survey, audit survival tips, Pharmacy Practice News, Volume 40, January 2013, available at http://www.pharmacypracticenews.com/ViewArticle.aspx?d=Operations%2b%26%2bManagement&d_id=53&i=January+2013&i_id=921&a_id=22429

Ensuring Safe Medication Distribution, Pharmacy Purchasing and Products, 2012 (Oct) v 9 no 10, pp 24-25, also available at <http://pppmag.com/digitalmag/Main.php?MagID=2&MagNo=75&PageNo=24>

Meeting Medication Distribution Compliance, Pharmacy Purchasing and Products, July 2012 S4 Drug Distribution; also available at www.pppmag.com/article/1170/July_2012_Drug_Distribution/Meeting_Medication_Distribution_Compliance/?kienle

Nursing Best Practices Using Automated Dispensing Cabinets: Nurses' Key Role in Improving Medication Safety, Mandrack M, Cohen M, Featherling J, Gellner L, Judd K, Kienle P, and Vanderveen T, Med Surg Nursing, 2012: Volume 21, Number 3, pp 134-9 and 144; also available: www.medsurgnursing.net/archives/12jun/124.pdf

Fast Track Approval Process for Shorted Drugs, Pharmacy Purchasing and Products, Volume 9, Number 5, Pages 44-45 and http://www.pppmag.com/article/1128/May_2012/Fast_Track_Approval_Process_for_Shorted_Drugs/, May 2012

Reporting Medication Errors, Pharmacy Purchasing and Products, IV Safety, Pharmacy Purchasing and Products, <http://pppmag.com/digitalmag/Main.php?MagID=4&MagNo=62&PageNo=6>, Ridgewood Medical Media LLC, March 2012

Patient Safety and Compliance Issues with the Medication Use System in Radiology, Continuing Education for Nuclear Pharmacists and Nuclear Medicine Professionals, University of New Mexico, Albuquerque, New Mexico, March 2012

Regulatory Agencies and Accreditation Organizations, Pharmacy Purchasing and Products, Volume 8, Number 12, Ridgewood Medical Media LLC, December 2011

USP's New Requirements for Nonsterile Compounding, Pharmacy Purchasing and Products, Volume 8, Number 10 Supplement, Ridgewood Medical Media LLC, October 2011

Speaking of Accreditation Options, Pharmacy Purchasing and Products, Volume 7, Number 12, Ridgewood Medical Media LLC, December 2010

Analysis of a Medication Error – Medication Safety Roundtable, www.mmee.com, Phenol, August 2010; Administering drugs to moms, July 2010; Dilantin, July 2010

Bringing the Nuclear Medicine and Pharmacy Departments in Concert, Pharmacy Purchasing and Products, Volume 7, Number 1, Ridgewood Medical Media LLC, January 2010

Ten Neglected Medication Safety Problems and Solutions, Medication Management Error Elimination, www.mmee.com, November 2009

Cleaning the Cleanroom Following Hazardous Drug Compounding, Pharmacy Purchasing and Products, Volume 6, Number 9, Ridgewood Medical Media LLC, September 2009

High-Alert, High-Risk, and Hazardous Drugs, Pharmacy Purchasing and Products, Volume 6, Number 7, Ridgewood Medical Media LLC, July 2009

Navigating the Joint Commission Performance Improvement Standards: Issues for Pharmacy, Quality Improvement Initiatives Issue Brief, ASHP, 2009

Improving Heparin Safety – A Pharmacy Perspective, in Proceedings from Improving Heparin Safety, Ninth Invited Conference, Cardinal Health Center for Safety and Clinical Excellence, 2009

Maintaining Compliance with Joint Commission Medication Management Standards (with J Uselton), Patient Safety and Quality Healthcare, July/August 2008, <http://www.psqh.com/julaug08/medication.html>

Understanding Beyond-Use Dating for Compounded Sterile Preparations, Pharmacy Purchasing and Products, Volume 4, Number 3, Ridgewood Medical Media LLC, March 2007

Meeting the Standards for Emergency Medications and Labeling, Hospital Pharmacy 2006, September (41): 888, 890-892.

QA Processes for Your Compounding Equipment, Pharmacy Purchasing & Products, Volume 2, Number 7, Ridgewood Medical Media, LLC, November 2005

Ensuring the Sterility, Stability, and Safety of Sterile Preparations, Pharmacy Purchasing & Products, Volume 2, Number 6, Ridgewood Medical Media, LLC, October 2005

QA/QC Requirements: Ensuring Staff Compliance, Pharmacy Purchasing & Products, Volume 2, Number 5, Ridgewood Medical Media, LLC, September 2005

Effective Decision-making: Perspectives of a Pharmacy Director in an Integrated Health System. Achieving Optimal Outcomes in Acute Coronary Syndromes. Symposium Highlights. March 2000

Preconference Survey Reactor Panel, Proceedings of Pharmacy in Managed Care: Vision for the Future, American Journal of Health-System Pharmacy 1998 July 15; 55(14) 1490-1492 (with JH Allen and HR Manasse)

Making Tomorrow's Leaders, Management Talk, Hospital Pharmacist Report, 1998 April; 12(4)61

Consolidation of Pharmacy Departments in a Regional Health System. American Journal of Health-System Pharmacy 1997 May 1; 54(9)1076-1079.

Interventions to Optimize Management of Congestive Heart Failure in Long-Term Care, editor. Medical Education Systems, Inc., Philadelphia, Pennsylvania. July 1995.

Understanding Corporate Culture. Journal of Pharmacy Practice 1994 October; VII (5):210-212.

Incidence of CHF in Long Term Care Facilities. ASCP 1993 Annual Meeting - Symposia Highlights. Medical Association Communications 1994.

Medication Use Indicators. P&T 1993 June;18(6):227.

Quinolone pearls. P&T 1992 July;17(7):1197.

Contributor, Productivity Management, ACCRUE Level II. American Society of Hospital Pharmacists 1991.

Eliminating the Printed Formulary: A Cost-Effective Alternative. Hospital Pharmacy 1990 June;25(6):534-537.

PharmaTrend as a Management Tool: Capturing Workload Data. American Journal of Hospital Pharmacy 1989 October; 46(10):2014-2015.

PHARMIS Software Review. American Journal of Hospital Pharmacy 1987 June; 44(6):1492.

Methods of Administration of Blood and Its Components. Infusion 1978 January/February;2(1):26-32.

Spirolactone interference with digoxin serum level assay. Hospital Pharmacy 1976 November;11(11):490.

EDITORIAL BOARD AND REVIEWER PANELS

Reviewer, Infusion Therapy Standards of Practice, 8th edition, Journal of Infusion Nursing, volume 44, Jan/Feb 2021 supplement

The Pharmacists Letter, Specialty Consultants Panel, 2019 - current

State Oversight of Sterile Compounding, Reviewer, PEW Charitable Trusts, 2017

Infusion Therapy Standards of Practice, Reviewer, Infusion Nurses Society, 2015

Hospital Pharmacy, Reviewer, November 2008 to present

AJHP, Reviewer: 2005, 2004, 2003, 1998, 1991, 2006, 2013

Joint Commission Journal on Quality and Patient Safety, Reviewer, December 2006

Anesthesia Today, Member, Editorial Review Board: November 1994 to December 2006

Pharmacy Department Compliance Manual, Member, Editorial Board: 2003 edition; Fourth edition, 2002; Third edition, 2001; 1998 edition

PREP: Pharmacists' Role in Executing Prescriptions, Reviewer, 1997 to 2001

Continuing Education Series in Pharmacy and Managed Care, Member, Editorial Board: 1992 to 2000

Achieving Pharmaceutical Care Through Personal Skills Development; Associate Editor: 1997 to 2000; Consultant: 1994 to 1997

P&T, Review Panel Member: February 1992 to 1999

IDN Strategies, Member, Advisory Board: 1997 to 1998

American Druggist, Reviewer: 1992

PROFESSIONAL PRESENTATIONS

Compounding Update: USP <797>, USP <800>, and NIOSH Hazardous Drug List, Innovatix, June 2021

Understanding Your Certification Report, Cardinal Health webinar, June 2021

Sterile Compounding: 2020 Update, FreeCE webinar, June 2021, April 2021, March 2021, January 2021, December 2020, September 2020, July 2020, June 2020, May 2020

Practice Administration and Development module, in ASHP Critical Care Specialty Review Course, May 2021, April 2019

Assessment of Risk for Community Pharmacies, FreeCE Webinar, May 2021, March 2021, February 2021, December 2020, November 2020, September 2020, August 2020, June 2020

Building Consensus: Experience from the Safe to Touch Conference in the US, International Society of Oncology Pharmacy Practitioners, April 2021

Compounding and Regulatory Challenges of a Crisis or Pandemic, ASHP Crisis and Pandemic Management Certificate, <https://elearning.ashp.org/products/8799/crisis-and-pandemic-management-certificate>, March 2021

Navigating the Unknown in the COVID-19 Pandemic: Lessons Learned, ASHP Webinar, April 2021

Emerging from the COVID-19 Pandemic: Planning for the Future, ASHP Webinar, April 2021

Medication Safety in Imaging Areas, Cardinal Health, April 2021

Identifying Gaps to Achieve USP <800> Compliance, Pharmacy Purchasing and Products webinar, February 2021

Best Practices for Handling Hazardous Drugs, Critical Point, Totowa, New Jersey; February 2021, December 2020, October 2020, August 2020 (recorded), October 2019, September 2019, July 2019, May 2019, March 2019, November 2018; October 2017, July 2018; June 2018, May 2018; April 2018; November 2017; October 2017, July 2017, June 2017, May 2017, June 2016, May 2016, April 2016, November 2016, October 2016, September 2016, May 2016, April 2016, March 2016, December 2015

2021 Compounding Update, Cardinal Health, January 2021

Best Practices for Monitoring Surfaces for Hazardous Drug Contamination, ASHP Midyear Virtual Clinical Meeting, December 2020, also available at <https://symposia.ashp.org/lms/content/safesurfaces/>

CMS Conditions of Participation, in Accreditation Surveys Have You Singing the Blues?, ASHP Virtual Midyear Clinical Meeting, December 2020

Sterile Compounding: Benchmarking and Improving Your Practice, ASHP Virtual Midyear Clinical Meeting, December 2020

Ensure Compliance with USP <800>: Nonsterile and Sterile Requirements, Compounding Compliance Virtual Conference, November 2020

Sterile Compounding: Planning for 2021 Best Practices, Acurity, November 2020

Keeping Patients and Practitioners Safe, Northeast Regional Hematology Oncology Pharmacists Symposium, October 2020

USP Compounding Chapter Update: Focus on Assessment of Risk, Premier Alternate Site Virtual Meeting and Expo, October 2020

USP <797> and <800> Compounding Course, United States Pharmacopeia, Rockville, Maryland, September 2020, April 2020, June 2019

Hazardous Drugs – Using Closed Systems, Cardinal Health webinar, September 2020

ASHP Podcast, Proactive Practice Advancement: Strengths of Being Nimble During A Global Pandemic, September 2020

ASHP Podcast, Nimble Leadership, August 2020

ASHP Therapeutic Thursdays Podcast, Hazardous Drugs: A Discussion on the Draft NIOSH List of Hazardous Drugs in Healthcare Settings, July 2020

Best Practices for Compounding Standards: USP <795>, <797>, <800>, and <825>, Innovatix webinar, June 2020

USP Compounding Chapters: Status and Strategies for Success, ASHP Summer Meeting recorded session, May 2020

Sterile Compounding: USP <797> Update, FreeCE webinar; April 2020, February 2020, January 2020, December 2019, November 2019, September 2019, August 2019

Key Medication Safety Strategies, Philadelphia College of Pharmacy 41st Annual Advances in Pharmacy Practice; Philadelphia, February 2020; Harrisburg, February 2020

2020 Compounding Update, Cardinal Health, Houston, Texas, February 2020

Compounding Engineering Controls and Equipment, Cardinal Health webinar, February 2020

Reviewing the Evidence Behind USP <797>, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2019

Willing to Bet You're Prepared? Don't Gamble with The Joint Commission, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2019

Meeting the Standards for Radiopharmaceuticals in USP Chapter <825>: What You Need to Know to Get Started, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2019

Preparing Your Pharmacy for Updated Compounding Standards; Maryland Society of Health-System Pharmacists, Ellicott City, Maryland, November 2019; Arkansas Association of Health-System Pharmacy, Little Rock, Arkansas, October 2019; NABP/AACP Districts 1 and 2 meeting, September 2019; Innovatix webinar, July 2019; Intelare Elevate 2019, Denver, Colorado, May 2019; AdventHealth 2019 Pharmacy Summit, Orlando, Florida; Pennsylvania Society of Health-System Pharmacists Compounding Summit, Hershey, Pennsylvania, April 2019, Premier Pharmacy Meeting, Anaheim, California, December 2018

Revisions to USP <797> and Tips on USP <800>: What You Need to Know Before "Go Live" Date, Innovatix National Meeting, Atlanta, Georgia, October 2019

USP <797> Requirements: Personnel and Facility Monitoring, Cardinal Health webinar, October 2019

USP Chapter Standards Update, ASHP Webinar, October 2019

United States Compounding Standards, GERPAC (Group of Evaluation and Research for Protection in Areas Under Control) Conference, Hyeres, France, October 2019

USP Compounding Chapters: Preparing Small and Rural Hospitals for Compliance, ASHP webinar, September 2019

2019 Compounding Update, Cardinal Health, Houston, Texas, September 2019

Dispelling USP <800> Myths, Becker's Webinar, August 2019

Nimble Leadership, Lambda Kappa Sigma Convention, Milwaukee, Wisconsin, August 2019

USP <797> Revision: What Changed, Pennsylvania Society of Health-System Pharmacists webinar, July 2019; Cardinal Health webinar, July 2019

USP <800>: Considerations for Community Pharmacy, Cardinal Health RBC, Nashville, Tennessee, July 2019

USP <800>: Understanding the Key Elements, University of Texas 2019 Hospital Practice Seminar, Austin, Texas, June 2019

Sterile Compounding Workshop: Standards, Regulatory, and Accreditation Compliance; and Active and Proactive Strategies, ASHP Summer Meeting, Boston, Massachusetts, June 2019

Update on USP Chapter <797>: Strategies for Ensuring Compliance by the December 2019 Deadline, ASHP Summer Meeting, Boston, Massachusetts, June 2019

Yikes! There's Something Growing in My IV Room, Cardinal Health webinar, May 2019

Hazardous Drugs module, in ASHP Sterile Product Preparation Certificate Program, April 2019

USP <800> Handling Hazardous Drugs Safely, Current Concepts in Medication Safety, Geisinger Health System, Wilkes-Barre, Pennsylvania, March 2019

USP <800> Deciphering Requirements, American Pharmacists Association Annual Meeting, Seattle, Washington, March 2019

Preparing Your Pharmacy for USP <800>, South Carolina Society of Health-System Pharmacists Annual Meeting, Charleston, South Carolina, March 2019

Focus on Approaches to Addressing Surface Contamination in Healthcare Settings, ASHP MidYear Clinical Meeting, Anaheim, California, December 2018

Preparing for Joint Commission – Keep It on Track!, ASHP MidYear Clinical Meeting, Anaheim, California, December 2018
USP <797>: Let's Tackle the Non-Compliant Elements, ASHP MidYear Clinical Meeting, Anaheim, California, December 2018

Quality and Regulatory, in ASHP BPS Review Course for Pharmacotherapy, ASHP MidYear Clinical Meeting, Anaheim, California, December 2018; ASHP MidYear Clinical Meeting, Orlando, Florida, December 2017; ASHP Summer Meeting, Minneapolis, Minnesota, June 2017, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016

Medication Safety, in ASHP BPS Review Course for Pharmacotherapy, ASHP MidYear Clinical Meeting, Anaheim, California, December 2018; ASHP MidYear Clinical Meeting, Orlando, Florida, December 2017; ASHP Summer Meeting, Minneapolis, Minnesota, June 2017, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016

Preparing for USP <800>: Handling Hazardous Drugs, Pennsylvania Society of Health-System Pharmacists Annual Meeting, Valley Forge, Pennsylvania, November 2018; Northeast Regional Hematology Oncology Pharmacists Symposium, Burlington, Massachusetts, October 2018

What's New in Proposed Revised USP <797>, Cardinal Health webinar, October 2018

Nimble Leadership: A Framework for Future Success, John Webb Lecture, Northeastern University, Boston, Massachusetts, October 2018; ASHP Leaders Conference, Dallas, Texas, October 2018

Preparing Your Pharmacy for Updated Compounding Standards, California Society of Health-System Pharmacists Seminar 2018, San Diego, California, October 2018

USP <800>: Are You Ready?, Oncology Knowledge Forum, Houston, Texas, October 2018

USP <800> Hazardous Drugs: Handling in Healthcare Settings, Health Connect Partners Fall Hospital Pharmacy Conference, Los Angeles, California, October 2018

Compounding Courses, USP <795>, <797>, and <800>, USP, Rockville, Maryland, September 2018, March 2018, September 2017, June 2017, March 2016

Getting Ready for USP <800>, National Association of Chain Drug Stores Pharmacy Compliance Roundtable, Denver, Colorado, August 2018

2018 Compounding Update, Cardinal Health, Houston, Texas, August 2018

Handling Hazardous Drugs: USP <800>, Riverside Health System, Newport News, Virginia, June 2018; New Jersey Society of Health System Pharmacists Annual Meeting, Long Branch, New Jersey, April 2018

Chapter Tales: Practical USP Updates for 2018, ASHP Summer Meeting, Denver, Colorado, June 2018

Revisiting Best Practices in IV Preparation and Administration Post Shortages: Coming Out of the Storm, ASHP Summer Meeting, Denver, Colorado, June 2018

Preparing Your Hospital Pharmacy for <800> and Revised <797>, BuxMont affiliate of the Pennsylvania Society of Health-System Pharmacists, Gwynedd, Pennsylvania, May 2018

USP <800> Hazardous Drug Handling: Meeting the Deadline for Compliance, Infusion Nurses Society, INS2018, Cleveland, Ohio, May 2018

USP Chapter <800> - A Thumbnail Sketch, Critical Point webinar, May 2018

Nonsterile Compounding Update, Cardinal Health webinar, May 2018

Preparing Your Pharmacy for Current and Upcoming Compounding Standards, Connecticut Compounding Conference, Cromwell, Connecticut, May 2018

Preparing Your Hospital Pharmacy for <800> and Revised <797>, and Performing an Assessment of Risk to Meet USP <800>, North Dakota Annual Pharmacy Conference, Fargo, North Dakota, April 2018

Taming the Jungle: Completing an Assessment of Risk in a Community Pharmacy to Comply with USP <800>, Webinar for Pennsylvania Pharmacists Association, April 2018, Pennsylvania Pharmacists Association Annual Meeting, Pocono Manor, Pennsylvania, September 2017

Nonsterile Compounding: USP and Best Practices for Community Pharmacists, APhA Annual Meeting and Exposition, Nashville, Tennessee, March 2018

Preparing for USP <800>: Best Practices for Handling Hazardous Drugs, ASHP TechCE webinar, March 2018

2018 Joint Commission Update, ProCE Webcast, February 2018; Acuity Directors of Pharmacy Webcast, January 2018

Overview of Sterile Compounding Regulations, Cardinal Health Webinar, February 2018

Compounding Update, Central Florida Directors of Pharmacy meeting, Orlando, Florida, January 2018

USP <797> Alert: React and Remediate When Something is Growing in Your IV Room, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2107

Joint Commission: Tackling the Top Ten Survey Risks, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2017

Addressing Surface Contamination for USP Chapter <800>, ASHP Advantage, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2017

Addressing the Standards: Meeting USP <797> Requirements in Small and Rural Hospitals, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2017

Ready or Not: Safety First – USP Chapter <800> is Going to Be Enforceable, ASHP Advantage, ASHP Midyear Clinical Meeting, Orlando, Florida, December 2017

USP <800> - Handling Hazardous Drugs, Albany College of Pharmacy Law Day, Albany, New York, November 2017

Perspectives on USP <800>, BD National Sales Meeting, Orlando, Florida, November 2017

Assessment of Risk to Meet USP <800> ASHP webinar, also available at elearning.ashp.org, November 2017

Chapter <800>: Tips for the Senior Care Pharmacist When Handling Hazardous Drugs, American Society of Consultant Pharmacists Annual Meeting, Orlando, Florida, November 2017

Unforeseen Danger: Drugs That are Hazardous to Us, and Pulling It All Together, Infusion Nurses Society National Academy, Atlanta, Georgia, November 2017

USP <800> Hazardous Drug Compliance and Protections, HCPro webinar, October 2017

Radiology Medication Safety, Cardinal Health webinar, October 2017

Anesthesia Medication Safety, Cardinal Health webinar, October 2017

Completing an Assessment of Risk for Hazardous Drugs, Innovatix webinar, October 2017

USP <797> and <800> Update, Maine Pharmacists Association, Portland, Maine, October 2017

USP <800> Hazardous Drugs: Keeping Us Safe, Innovatix National Meeting, Austin, Texas, October 2017

USP <800> Handling Hazardous Drugs, Latiolais Leadership Symposium, Ohio State University, Columbus, Ohio, October 2017

2017 Compounding Update, Cardinal Health, Houston, Texas, August 2017

Compounding Update: Nonsterile Preparations, Cardinal Health webinar, August 2017

Compounding Update, Florida Board of Pharmacy Inspectors, Orlando, Florida, July 2017

How do I do an Assessment of Risk?, ASHP Summer Meeting, Minneapolis, Minnesota, June 2017

USP Compounding Chapters: <795>, <797>, and <800>. ProCE webinar, May 2017.

USP <800> Hazardous Drugs: It's a Small, Dangerous World, National Association of Boards of Pharmacy Annual Meeting, Orlando, Florida, May 2017.

Compounding Update, Alpha Zeta Omega Continuing Education Program, Philadelphia College of Pharmacy, Philadelphia, Pennsylvania, May 2017

CMS Regulations for Pharmacy and Medication Use. Greater New York Hospital Association webinar, March 2017

Medication Safety Watch: Updates from USP. American Pharmacist's Association, San Francisco, California, March 2017.

Joint Commission Medication Management Update 2017. ProCE webinar, March 2017.

USP Compounding Chapters. Coastal Health Alliance webinar. March 2017

USP <797> Requirements for Environmental Monitoring, Cardinal Health webinar, February 2017

Sterile Compounding: Are We Complying with Standards?, PowerPack webinar, December 2016

USP Essentials: Implementing Compounding and Hazardous Drug Standards: USP <795>, <797>, and <800>, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016 and webinar

USP <800> Strategies for Compliance with Handling Hazardous Drugs, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016

Joint Commission: Don't Roll the Dice – Be Prepared, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016

Best Practices in Ensuring the Quality of Compounded Sterile IV Preparations, ASHP MidYear Clinical Meeting, Las Vegas, Nevada, December 2016

Contemporary Challenges in Medication Compounding: A National Perspective, Joint Commission Medication Compounding Certification Overview, Lansing, Michigan, November 2016

Compliance with USP <800>, PCCA International Seminar, Houston, Texas, November 2016

USP <800> and NAPRA Standards, Oncology Pharmacists of the Toronto Regional Area (OPTRA), Toronto, Ontario, November 2016

Update on Sterile Compounding, Baxter Pharmacy Customer Advisory Board, Chicago, Illinois, October 2016

Strategies to Prepare for USP <800>, Vizient MidAtlantic Pharmacy Directors, Raleigh, North Carolina, October 2016; PSHP Annual Meeting, Valley Forge, Pennsylvania, October 2016

Compounding Update for Account Managers, Cardinal Health, Houston, Texas, October 2016

Hazardous Drugs, Sterile Compounding Inspector Training, Critical Point, Totowa, New Jersey, October 2016 and July 2016

Practical Strategies for Compliance with USP <800>: Performing an Assessment of Risk, ASHP Leaders Conference, Chicago, Illinois, October 2016

USP <797>: What's on the Radar?, ProCE webinar, October 2016

USP <800>: Creating Your Assessment of Risk, Cardinal Health webinar, October 2016

USP <800>, United States Pharmacopeia, Rockville, Maryland; September 2016, April 2016

2016 Compounding Update, Cardinal Health, Houston, Texas, August 2016

Assessment of Risk, webcast for Dignity Health, August 2016

USP <800>: What You Need to Know and Tools to Support Your Journey, webcast for Joint Commission Resources, August 2016

Regulatory and Quality Issues, ASHP BPS Pharmacotherapy Review Course; Fort Sam Houston, San Antonio, Texas, July 2016; Baltimore, Maryland, June 2016

Medication Safety, ASHP BPS Pharmacotherapy Review Course; Fort Sam Houston, San Antonio, Texas, July 2016; Baltimore, Maryland, June 2016

Unforeseen Dangers: Managing Hazardous Drugs Outside the Pharmacy, ASHP Summer Meeting, Baltimore, Maryland, June 2016

Strategies to Prepare for USP <800>, Michigan Society of Hematology and Oncology, Lansing, Michigan, May 2016; Northeastern Pennsylvania Society of Health-System Pharmacists, May 2016; Maryland Society of Health-System Pharmacists Spring Seminar, Hanover, Maryland, April 2016

Safe Handling of Hazardous Drugs in the Pharmacy and in the Home, National Home Infusion Association, New Orleans, Louisiana, April 2016

What Could Go Wrong? Preventing Medication Errors, Wilkes University Continuing Education Program, Wilkes-Barre, Pennsylvania, April 2016

Practical Strategies for Compliance with USP <800>, Quality and Safety in Childrens Health Conference, Childrens Hospital Association, New Orleans, Louisiana, March 2016

How Has Section 503B of the Drug Quality and Security Act Changed Practice?, ProCE Webinar, March 2016

2016 Joint Commission Update, Greater New York Hospital Association webinar, March 2016

Essential Strategies for Compliance with USP <800>, Institute for Safe Medication Practices webinar, March 2016

Are You Ready? USP <800> is Almost Here, ACA/IACP/ACVP Annual Conference, San Diego, California, February 2016

USP Sterile Compounding Requirements, Cardinal Health webcast, February 2016

Danger, Will Robinson (Part 2), Illinois Council of Health-System Pharmacists webinar, February 2016

Handling Non-Oncology Hazardous Drugs, Cardinal Health webcast, January 2016

The Missing Link: Practical Tips to Prepare for USP <800>, Pharmacy One Source webinar, January 2016

Practical Tips to Prepare for USP <800>, Dignity HealthCare, February 2016; Tampa Area Directors of Pharmacy, February 2016; Baptist Miami Health System Directors of Pharmacy, February 2016; Central Florida Directors of Pharmacy, Orlando, Florida, January 2016

Hazardous Drugs: USP, NIOSH, and OSHA. Oh, My!, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

USP <797> Update: A Town Hall Session with the Specialists, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

Joint Commission: Kick It Up a Notch!, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

USP Chapter <800>: Start Preparing Now, Moving Targets – An Update on Legislation and Standards Aimed at Ensuring the Quality of Pharmaceutical and Compounded Drug Products in the US, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

Pharmacists as Providers: Disruptive Innovations for New Practice and Payment Models, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

Preparing for USP Chapter 800 – Now Is the Time to Get Ready, ASHP Midyear Clinical Meeting, New Orleans, Louisiana, December 2015

Best Practices for Handling Hazardous Drugs, Critical Point, Totowa, New Jersey, December 2015

USP Chapters in Our Practices, American Society of Clinical Oncology, Workshop on Safe Handling of Hazardous Drugs, Alexandria, Virginia, November 2015

A Practical Approach to Prepare for USP <800>, MedStar Directors of Pharmacy Retreat, Olney, Virginia, October 2015; ISMP, Horsham, Pennsylvania, October 2015; Virginia Society of Health-System Pharmacists, Williamsburg, Virginia, October 2015; Husson University, Bangor, Maine, October 2015

Compounding NonSterile Preparations, Cardinal Health webinar, September 2015

Medication Safety Primer, Ardent Risk Management Annual Meeting, Dallas, Texas, September 2015

Medication Management in the Ambulatory Surgical Center, Continuum Healthcare Consultants, Marietta, Georgia, September 2015

Danger Will Robinson, Illinois Council of Health-System Pharmacists Annual Meeting, Oak Brook, Illinois, September 2015

USP <800> How We Got To Where We Are, USP Compounding Expert Committee Webinar, August 2015

USP <795> Nonsterile Compounding, PowerPak Webinar, August 2015

2015 Sterile Compounding Update, Cardinal Health, Houston, Texas, August 2015

Cleaning Your Compounding Areas, Cardinal Health Webinar, August 2015

Safe Handling of Sterile Medications in Clinics and Office Practices, Amerinet Webinar, August 2015

Preparing for USP <800>, Virginia Society of Health-System Pharmacists Webinar, August 2015, Georgia Society of Health-System Pharmacists, Amelia Island, Florida, July 2015; Duke University Cancer Network webinar, July 2015

USP <795> Training for Southeastern Boards of Pharmacy, Charlotte, North Carolina, June 2015

USP General Chapter <797>: Applying Safe and Effective Compounding Practices, PowerPak Webinar, June 2015

USP <795> Compounding Nonsterile Preparations, United States Pharmacopoeia, Rockville, Maryland; June 2015, July 2014, March 2014

USP <797> Compounding Sterile Preparations, United States Pharmacopoeia, Rockville, Maryland; June 2015, July 2014

USP <800>: Strategies for Compliance, ASHP Summer Meeting, Denver, Colorado, June 2015

Hazardous Drugs, Florida Department of Health Inspectors, Orlando, Florida, May 2015

2015 Sterile Compounding Update, Florida Department of Health Senior Pharmacists, Orlando, Florida, May 2015

Preparing for USP <800> Handling Hazardous Drugs; New England Pharmacy Collaborative, Fairlee, Vermont, May 2015; Central Florida Society of Health-System Pharmacists, Lake Nona, Florida, May 2015; Cardinal Health Webcast, February 2015

Medication Safety: Protecting Patients and Practitioners, American Pharmacists Association Annual Meeting, San Diego, California, March 2015

Safe Handling of Hazardous Drugs in the Home Infusion Pharmacy, National Home Infusion Association Annual Conference, Phoenix, Arizona, March 2015

Smart Pumps Aren't Smart on Their Own, Geisinger Medical Center, Current Concepts in Medication Safety, Wilkes-Barre, Pennsylvania, March 2015

USP Open Microphone: USP <800> Hazardous Drugs – Handling in Healthcare Settings, February 2015

2015 Joint Commission Update, ProCE Webinar, February 2015

Patient Safety, Philadelphia College of Pharmacy Advances in Pharmacy Practice, Philadelphia, Pennsylvania, February 2015

Preparing for USP General Chapter <800> Hazardous Drugs – Handling in Healthcare Settings: What the Pharmacist Needs to Know, ASHP MidYear Clinical Meeting, Anaheim, California, December 2014

Hazardous Drugs – Protecting Patient and Practitioners: New Information from NIOSH and USP, ASHP MidYear Clinical Meeting, Anaheim, California, December 2014

Radiopharmaceuticals in Health Systems: Your Role and Responsibilities, ASHP MidYear Clinical Meeting, Anaheim, California, December 2014

Joint Commission is Coming: Let's Talk Strategy, ASHP MidYear Clinical Meeting, Anaheim, California, December 2014

Hazardous Drug Medication Safety, Adventist Pharmacy Leadership Meeting, Anaheim, California, December 2014

Preventing Readmissions: Pharmacists ARE Making a Difference, ASHP MidYear Clinical Meeting, Anaheim, California, December 2014

Compounding CSPs Outside the Pharmacy, Cardinal Health Webcast, November 2014

Hazardous Drugs: Protecting Patients and Practitioners, VHA Mid-America Services Solutions, Kansas City, Missouri, October 2014; VHA Empire Metro, 4th Annual Pharmacy Educational Retreat, Skaneateles, New York, October 2013

Hazardous Drugs, Pharmacy One Source Webinar, October 2014

Quality in Healthcare: Who Oversees Hospitals and How It Applies to You, ProCE Webinar, October 2014

Med Safety Stew, Wilkes University Continuing Education Program, Wilkes-Barre, Pennsylvania, September 2014

Sterile Compounding and USP <797>, ProCE Webcast, September 2014

USP <800> Hazardous Drugs, IU Health, Pharmacy Enterprise Statewide Meeting, Indianapolis, Indiana, August 2014

Critical Point Sterile Compounding Boot Camp, Faculty, Englewood, Colorado, June 2014

USP <800>: What Does It Mean for Compounding Pharmacies, Compounding Pharmacy Consortium, June 2014

Insourcing IV Parenteral Nutrition in the Health System: Tools and Strategies for Success, ASHP Summer Meeting, Las Vegas, Nevada, June 2014

Sterile Compounding: Where Do We Stand?, ASHP Summer Meeting, Las Vegas, Nevada, June 2014

Emerging Practice Issue: Small Bore Connector Standards on the Near Horizon, ASHP Summer Meeting, Las Vegas, Nevada, June 2014

Compounding Requirements for Aseptic Admixtures, New York State Council of Health-System Pharmacists, Saratoga Springs, New York, May 2014

Sterile Compounding: Reporting to Your Infection Control Committee, Cardinal Health Webcast, May 2014

Ten Ways to Prevent Insulin-Use Errors in Your Hospital, ASHP Webcast, May 2014

Adapting Your Compounding Practice to the Current Regulatory Environment, APhA Annual Meeting, Orlando, Florida, March 2014

Strategies to Prevent Errors When Using Automated and Electronic Health Records, APhA Annual Meeting, Orlando, Florida, March 2014

March to Results, Joint Commission Resources HEN webinar, March 2014

Accreditation and Regulatory Update: Hot Issues in Joint Commission and DNV Healthcare Surveys, Georgia Society of Health-System Pharmacists, Savannah, Georgia, March 2014

Compounding Update, Georgia Society of Health-System Pharmacists, Savannah, Georgia, March 2014; Philadelphia College of Pharmacy Advances in Pharmacy Practice, Philadelphia, Pennsylvania and Harrisburg, Pennsylvania, March 2014

Compounding Update for Nuclear Pharmacy, Cardinal Health Nuclear Pharmacy Services webcast, March 2014

Section 503B of the FDC Act: What Does It Mean?, ProCE webcast, March 2014

Joint Commission 2014 Update, ProCE Webcast, February 2014

Compounding with Hazardous Drugs, Cardinal Health Webcast, February 2014

Looking Ahead: The Potential Changes and the Role of Standardization in the Prevention of Future Mishaps, Crucial Considerations to Ensure the Safety of IV Therapy, ASHP Advantage, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Hazardous Drugs: And the Mess Goes On, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Mango Bajito: Finding the Compounding Low-Hanging Fruit in Your Health System, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Insulin Use in Hospitals: Recommendations for Decreasing Preventable Adverse Drug Events, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Preparing for Joint Commission: Are You in the Loop?, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Current State of Pharmacy Compounding, New and Emerging Strategies for Minimizing Errors in IV Preparation: Focus on Safety and Workflow Efficiencies, ASHP Advantage, ASHP MidYear Clinical Meeting, Orlando, Florida, December 2013

Transitions of Care: Your Role in Medication Safety, ASHP MidYear Clinical Meeting Orlando, Florida, December 2013

Safe Compounding Practices, Wilkes University Continuing Education, Wilkes-Barre, Pennsylvania, September 2013

Perils of Medication Safety with the Electronic Health Record, Ardent Risk Managers Annual Educational Conference, Dallas, Texas, September 2013

Sterile Compounding Work Practices: Maintaining Your Cleanroom, Cardinal Health Innovative Delivery Solutions, September 2013

Assessing Sterile Compounding in Health-Systems, Cardinal Health, Houston, Texas, August 2013

Sterile Compounding in the Limelight: Will Crisis Lead to Reform; American Society of Health-System Pharmacists Summer Meeting, Minneapolis, Minnesota, June 2013

What Has the Compounding Tragedy Taught Us, American Society of Health-System Pharmacists Summer Meeting, Minneapolis, Minnesota, June 2013

Challenges of Medication Management in Nuclear Medicine, ROi Webcast, June 2013 Amerinet National Conference, Orlando, Florida, May 2013

Nuclear Pharmacy Basics for the Hospital Pharmacist; Cardinal Health Webcast, June 2013; Ohio Society of Health-System Pharmacists, Columbus, Ohio, May, 2013; Southwest Florida Society of Health-System Pharmacists, Tampa, Florida, November 2012; Georgia Society of Health-System Pharmacists, Young Harris, Georgia, October 2012; Pennsylvania Society of Health-System Pharmacists, Lancaster, Pennsylvania, October 2012; Health Connect Partners Hospital, Pharmacy Fall 2012 Conference, Dallas, Texas; Florida Society of Health-System Pharmacists Annual Meeting, Orlando, Florida, August 2012

Sterile Compounding Work Practices: Garb, Cardinal Health Pharmacy Solutions Webinar, May 2013

Best Work Practices for Aseptic Admixtures, Greater New York Hospital Association, May 2013; Southwest Florida Society of Health-System Pharmacists, Tampa, Florida, February 2013

USP <797>, workshop for Maryland Board of Pharmacy, Baltimore, Maryland, March 2013

Teamwork, Northeastern/Central Pennsylvania Collaborative Care Summit, The Commonwealth Medical College, March 2013

Medication Safety in Imaging, Delaware Valley Society of Health-System Pharmacists, Conshohocken, Pennsylvania, March 2013

Regulatory Aspects of Compliance with USP <797>, FDA Northeast Region Compounding Seminar, Worcester, Massachusetts, March 2013

Preventing Medication Errors in a Changing Healthcare System, American Pharmacists Association Annual Meeting, Los Angeles, California, March 2013

Outsource Validation for Nuclear Pharmacies, American Pharmacists Association Annual Meeting, Los Angeles, California, March 2013

Joint Commission Update – 2013, CHS Directors of Pharmacy Webcast, February 2013; Greater New York Hospital Association Webcast, January 2013

Quality Management Overview, ASHP Pharmacy Technician Webinar CE series, February 2013

Compounding Work Practices: Overview, Cardinal Health Pharmacy Solutions Webinar, February 2013

Compounding Landscape: What's in the Crystal Ball?, EMD Millipore, Dallas, Texas, February 2013

Behind the Yellow Sign, ISMP, Horsham, Pennsylvania, February 2013

Non-Sterile Compounding: USP <795>: Cardinal Health Pharmacy Solutions Webcast, January 2013 and August 2011

Are You Prepared? Excelling in Joint Commission Surveys; American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2012

Medication Safety: Simplicity, Complexity & Culture, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2012

Compounding and Outsourcing – Ensuring Patient Safety for Health System Pharmacy, ASHP Webcast, November 2012, archived at <http://www.ashp.org/menu/Education/Webinars/WebinarArchive.asp>

Medication Safety: Protecting Patients and Practitioners, Wilkes University CE Program, Wilkes-Barre, Pennsylvania, November 2012

IV Certification Course for Pharmacists and Technicians, Cardinal Health, Houston, Texas, October 2012

CSSI: Compliance Strategies for Survival and Influence, ASHP Leaders Conference, Chicago, Illinois, October 2012

Accreditation: What's Hot and What's Not, ASHP Leaders Conference, Chicago, Illinois, October 2012

Medication Management Update – 2012, Ardent Risk Managers Annual Meeting, Dallas, Texas, September 2012

So Little Time: Prioritizing Your Medication Safety Efforts, American Society of Health System Pharmacists Summer Meeting, Baltimore, Maryland, June 2012

CMS Requirements for Medication Administration Timing, Cardinal Health Webinar, April 2012

Pharmacy Services and Radiology Partnership, American Pharmacists Association Annual Meeting, New Orleans, Louisiana, March 2012

Joint Commission and CMS Update – 2012, CHS Pharmacy Leadership, February 2012; Baptist Miami Pharmacy Leadership, February 2012

CMS and State Surveys: Tips for Sailing Through, Cardinal Health Webinar, February 2012

Medication Safety Update – 2012, Southwest Florida Society of Health-System Pharmacists, Tampa, Florida, February 2012

Anatomy of an Interventional Patient Tracer, in Surviving a Joint Commission Survey: An Accreditation Boot Camp, American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2011

Transitions of Care: Building Bridges between the Hospital and the Community, American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2011

Compliance Tools and Aseptic Certification, Faculty for USP <797>, Baxa Corporation STAR Center, September 2011, September 2010 and May 2009

Medication Safety Update, Ardent Health Services, Risk Management Educational Conference, Dallas, Texas, September 2011

Joint Commission 2011 Update, Medstar Directors of Pharmacy, Columbia, Maryland, October 2011; New Mexico Society of Health-System Pharmacists Annual Balloon Fiesta Meeting, October 2011; Catholic Health East Directors of Pharmacy, Nashville, Tennessee, August 2011; Northshore University Health System, Chicago, Illinois, June 2011; Georgia Society of Health-System Pharmacists Spring Meeting, Pine Mountain, Georgia, March 2011; ASHP Foundation Webcast, February 2011

Jail Time for a Medication Error: Lessons Learned from a Pharmacy Compounding Error, Lambda Kappa Sigma Annual Convention, Detroit, Michigan, July 2011

Preparing Your Pharmacy for an Accreditation Visit from AOA's HFAF or DNV's NIAHO, American Society of Health-System Pharmacists Annual Meeting, Denver, Colorado, June 2011

Juggling Multiple Priorities: Roadmap to Safe and Efficient Barcode Point of Care, unSummit, Louisville, Kentucky, April 2011

Medication Safety in Radiology: Pharmacy Roles and Responsibilities, Cardinal Health Pharmacy Solutions Webcast, April 2011

Beyond the White Coat: What Makes a Leader?, Ochsner Medical Center Pharmacy Residents, April 2011; Student APhA Chapter, Nesbit School of Pharmacy, Wilkes University, Wilkes-Barre, Pennsylvania, March 2011

Medication Safety in Anesthesia: Beyond the OR Doors, Georgia Society of Health-System Pharmacists Spring Meeting, Pine Mountain, Georgia, March 2011; Cardinal Health Pharmacy Solutions Webcast, January 2011

Enhancing Medication Safety with Technology: Strategies for Best Practices, Medication Safety and Technology Regional Summit 2011, Lahey Clinic, Waltham, Massachusetts, March 2011

Radiopharmaceuticals, New Jersey Council of Teaching Hospitals, Pharmacy Webcast, January 2011

Patient Safety: Requirements and Best Practices, Southwestern Florida Society of Health-System Pharmacists, January 2011; Northeastern Florida Society of Health-System Pharmacists, Jacksonville, Florida, October 2010

Surviving A Joint Commission Survey: A Preparation Boot Camp, American Society of Health-System Pharmacists MidYear Clinical Meeting, Anaheim, California, December 2010

Diversion: Practical Approaches to Prevention and Management, Moderator, American Society of Health-System Pharmacists MidYear Clinical Meeting, Anaheim, California, December 2010; available at www.proce.com/drug_diversion.cfm, March 2011

Joint Commission Preparedness: Medication Management Tips, Greater New York Hospital Association Pharmacy Directors Seminar, New York, New York and Newark, New Jersey, October 2010 Pharmacy Impact on Quality and Outcomes: New Era for Measuring Value, ASHP Leaders Conference, Chicago, Illinois, October 2010

Hospital and Health System Accreditation: What's Hot and What's Not, ASHP Leaders Conference, Chicago, Illinois, October 2010

Medication Safety: What are the Priorities, Ardent Health Services, Risk Management Educational Conference, Dallas, Texas, September 2010

Medication Reconciliation: An Important Safety Step, Lambda Kappa Sigma Biennial Convention, Pittsburgh, Pennsylvania, July 2010

Pharmacy through the Looking Glass: What the Future May Hold, Penn State Hershey 25th Anniversary Pharmacy Residency Conference, Hershey, Pennsylvania, June 2010

Joint Commission Medication Management Tips, Philadelphia Pharmacists Guild, Philadelphia, Pennsylvania, June 2010; New Jersey Pharmacy Leaders, Parsippany, New Jersey, March 2010

ISO Quality Standards, American Society of Health-System Pharmacists Summer Meeting, Tampa, Florida, June 2010

Accreditation, Meet the Experts, American Society of Health-System Pharmacists Summer Meeting, Tampa, Florida, June 2010

Safety Strategies for High Alert Medications, Current Concepts in Medication Safety, Geisinger Health System, Danville, Pennsylvania, March 2010; South Carolina Society of Health-System Pharmacists Annual Meeting, Hilton Head, South Carolina, March 2010; Northeastern Florida Society of Health-System Pharmacists Annual Seminar, Jacksonville, Florida, October 2009

Nursing: Key to Successful Accreditation Surveys, Stamford Hospital Nursing Grand Rounds, Stamford, Connecticut, March 2010

Time for a New Paradigm: Standardization, Technology, Pharmacy, Culture; Medication Safety in the Operating Room, Anesthesia Patient Safety Foundation, Phoenix, Arizona, January 2010

Strategies for Promoting Compliance and Safety with Radiopharmaceuticals in the Hospital Setting, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2009; also available at www.edu-review.org/radio/

Creating a Culture of Safety, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2009

Continuous Compliance: Preparing the Pharmacy for a Joint Commission Survey in 2010, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2009

Quality Improvement, Meet the Experts, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2009

DNV, HFAP and ISO Quality Standards: What Do They Mean?, ASHP Leaders Conference, Chicago, Illinois, October 2009

Using Standardization and Technology to Improve IV Medication Safety, PDI2009: Parenteral Drug Industry Congress, Beijing, China, September 2009

Services and Supplies to Meet USP <797> Requirements, Pharmacy Purchasing Network Annual Meeting, Las Vegas, Nevada, August 2009

Safe Medication Storage, Pharmacy Purchasing Network Annual Meeting, Las Vegas, Nevada, August 2009

Compliance Strategies for the National Patient Safety Goals, Florida Society of Health-System Pharmacists Annual Meeting, Orlando, Florida, August 2009

Establishing Your QA Plan for 797, Georgia Society of Health-System Pharmacists Spring Meeting, Young Harris, Georgia, March 2009

Quality Improvement Does Impact Your Practice: QI Basics for Pharmacists, ASHP Webcast, March 2009

Best Practices: Compliance with Regulatory and Accreditation Standards, South Carolina Society of Health-System Pharmacists, Myrtle Beach, South Carolina, March 2009

Medication Safety: Practical Strategies, Cardinal Health Webcast, March 2009

Best Practices for Automated Dispensing Cabinets, Cardinal Health Center for Safety and Clinical Excellence Webcast, February 2009

Continuous Compliance: Preparing the Pharmacy for a Joint Commission Survey in 2009, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 2008

Rev Up Your Presentation Skills, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 2008; Las Vegas, Nevada, December 2007; Anaheim, California, December 2006

Impacting Quality in Health Systems: Spotlight on Medication-Related National Quality Initiatives, American Society of Health-System Pharmacists Leaders Conference, Chicago, Illinois, October 2008

Best Practices: Compliance with Joint Commission Medication Management Standards and National Patient Safety Goals; Community Health Systems Directors of Pharmacy Conference, Nashville, Tennessee, October 2008; Northeastern Florida Society of Health-System Pharmacists Annual Meeting, Jacksonville, Florida, October 2008

Turning Your Medication Data into Answers, American Society of Healthcare Risk Managers, Boston, Massachusetts, October 2008

Anticoagulant Therapy: Reducing Patient Harm, Trinity Medical Center, Rock Island, Illinois, September 2008

Beyond Core Measures: What Quality Initiatives are on Pharmacy's Radar Screen?; Mississippi Society of Health-System Pharmacists, Biloxi, Mississippi, August 2008; American Society of Health-System Pharmacists Leaders Conference, Chicago, Illinois, October 2007

The Pharmacist - A Vital Component to Medication Safety, National Rural Health Association Quality and Clinical Conference, San Diego, California, July 2008

Medication Reconciliation: Key to Continuity of Care, Luzerne County Pharmacists Association, Wilkes-Barre, Pennsylvania, June 2008

Joint Commission International: Patient Safety Goals, Webcast for Pyxis International, April 2008

Preparing Your Hospital for Compliance with the Medication Management Standards, Bux-Mont Pennsylvania Society of Health-System Pharmacists, Ambler, Pennsylvania, April 2008; Greater New York Hospital Association, East Elmhurst, New York, April 2008; Webcast, January 2008

USP <797> Compounding Sterile Preparations, Georgia Society of Health-System Pharmacists Spring Meeting, Pine Mountain, Georgia, March 2008

Best Practices: Medication Reconciliation, Georgia Society of Health-System Pharmacists Spring Meeting, Pine Mountain, Georgia, March 2008

Improving Heparin Safety – Pharmacy Perspectives, Improving Heparin Safety, Cardinal Health Center for Safety and Clinical Excellence, San Diego, California, March 2008

Continuous Compliance: Preparing the Pharmacy for a Joint Commission Survey in 2008, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2007

Practice Challenges and Medication Safety, Trinity Medical Center/ Iowa Health System, Rock Island, Illinois, October 2007; Ardent Risk Managers, Nashville, Tennessee, September 2007

Joint Commission Preparedness, Mississippi Society of Health-System Pharmacists, Philadelphia, Mississippi, July 2007

Accreditation Update 2007, Cardinal Health, Houston, Texas, April 2007

USP <797> Update, Cardinal Health, Houston, Texas, April 2007; Virginia Society of Health-System Pharmacists Annual Meeting, Wintergreen, Virginia, April 2007

Addressing the Increase in Regulatory Requirements, Health Connect Partners Hospital Pharmacy Conference, Nashville, Tennessee, April 2007

Medication Safety: Protecting Our Patients, Trinity Medical Center/ Iowa Health System, Rock Island, Illinois, March 2007; Westchester County Medical Center, Valhalla, New York, November 2006

Meeting the Challenge of Continuous Compliance: Preparing the Pharmacy for a Joint Commission Survey in 2007, American Society of Health-System Pharmacists MidYear Clinical Meeting, Anaheim, California, December 2006; Cardinal Health, Houston, November 2006

Complying with USP 797: Compounding Sterile Preparations, Cardinal Health, Houston, Texas, November 2006 and March 2006

Effective Planning and Execution of USP <797>: Quality Assurance and Quality Control, Texas Society of Health System Pharmacists Annual Meeting, Galveston, Texas, April 2006; American Society of Health-System Pharmacists Summer Meeting, Boston, Massachusetts, June 2005

Medication Safety, Cardinal Health, Houston, Texas, March 2006

Promoting Medication Safety, Iowa Health System/Trinity, Rock Island, Illinois, January 2006; Luzerne County (Pennsylvania) Pharmacists Association, Wilkes-Barre, Pennsylvania, June 2005

Preparing the Hospital Pharmacy for a Joint Commission Survey in 2006, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2005

Speaking for Impact: Rev Up Your Presentation Skills, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2005

USP 797, Roundtable at ASHP Leadership Conference, Chicago, Illinois, October 2005

JCAHO Update for 2006; Pennsylvania Society of Health-System Pharmacists, Champion, Pennsylvania, October 2005; Northeastern Florida Society of Health-System Pharmacists, Jacksonville, Florida, October 2005

PCA: Best Practices to Reduce Harm, National Patient Safety Foundation Patient Safety Congress, Orlando, Florida, May 2005

JCAHO and USP 797 Update; Western Michigan Society of Health-System Pharmacists, Grand Rapids, Michigan, May 2005; Treasure Coast Chapter of the Florida Society of Health-System Pharmacists, Vero Beach, Florida, February 2005

Complying with USP 797: Compounding Sterile Preparations; Current Issues in Drug Dispensing and Administration, Cardinal Health Center for Medication Safety and Clinical Improvement, San Diego, California, April 2005; Delaware Valley Society of Health-System Pharmacists, Philadelphia, Pennsylvania, February 2005; Medication Safety Update 2004, Cardinal Health, Orlando, Florida, December 2004; Northeastern Pennsylvania Society of Health-System Pharmacists, Scranton, Pennsylvania, November 2004; Maine Society of Health-System Pharmacists, Augusta, Maine, October 2004; Louisiana Society of Health-System Pharmacist, Shreveport, Louisiana, October 2004; Pennsylvania Association for Professionals in Infection Control and Epidemiology, Wilkes-Barre, Pennsylvania, September 2004; Connecticut Society of Health-System Pharmacists, Cromwell, Connecticut, June 2004

Preparing the Hospital Pharmacy for a Joint Commission Survey in 2005, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 2004

Strategies for a Successful JCAHO Survey, ASHP Leadership Conference, Chicago, Illinois, October 2004; Catholic Healthcare Partners, Findlay, Ohio, October 2004; Pennsylvania Society of Health-System Pharmacists, White Haven, Pennsylvania, October 2004

Could Privileging be a Means of Assessing Competence in Health-System Pharmacy?, ASHP Summer Meeting, Las Vegas, Nevada, June 2004

New Standards – Challenges for Health-System Pharmacy, ASHP Staff Seminar, Bethesda, Maryland, May 2004

JCAHO 2004 Standards – A Progress Report, Massachusetts Society of Health-System Pharmacists, Marlborough, Massachusetts, April 2004

The Future of Medication Safety, Astra Zeneca Hospital Pharmacy Advisory Board, Orlando, Florida, March 2004

Preparing the Pharmacy for a Joint Commission Survey for 2004, American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2003

JCAHO Accreditation Standards and Level of Pharmacy Services, Pharmacy Practice Managers Networking Forum, American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2003

2004 JCAHO Medication Management Standards, Michigan Society of Health-System Pharmacists Annual Meeting, Lansing, Michigan, November 2003; Delaware Valley Pharmacists, Philadelphia, Pennsylvania, October 2003; North Shore Pharmacy Directors Meeting, Peabody, Massachusetts, September 2003; MRMI Pharmacy Directors, Chicago, Illinois, August 2003

Practical Strategies for Implementing the 2004 JCAHO Medication Management Standards, American Society of Health-System Pharmacists Leadership Conference, Dallas, Texas, October 2003

Adjusting Pharmacy's Horizon, Pennsylvania Society of Health-System Pharmacists Annual Meeting, Champion, Pennsylvania, October 2003

Medication Management: An Introduction to the New Joint Commission Standards, Current Concepts in Pharmacy Management (video), Volume 12, July 2003

Assessing Compliance with the 2004 JCAHO Medication Management Standards, Executive Fellowship in Patient Safety, Richmond, Virginia, May 2003

Pharmacy Law Update: 2003, Northeastern Pennsylvania Society of Health-System Pharmacists, Scranton, Pennsylvania, April 2003

Medication Safety and JCAHO Readiness, Pennsylvania Society of Health-System Pharmacists MidYear Meeting, Atlantic City, New Jersey, February 2003; Mercy Hospital, Miami, Florida, January 2003

Promoting Medication Safety, Crittenton Hospital, Rochester, Michigan, January 2003; Arizona Society of Health-System Pharmacists – Maricopa District, Phoenix, Arizona, November 2002; Luzerne-Lackawanna Chapter of the American Association of Critical Care Nurses, Wilkes-Barre, Pennsylvania, March 2002; Mercy Hospital, Pittsburgh, Pennsylvania,

September 2001; New London Hospital, New London, Connecticut; Main Line Health System, Philadelphia, Pennsylvania, April 2000

Developing a Strategic Plan for Medication Safety, Pharmacy Managers' Networking Forum, American Society of Health-System Pharmacists MidYear Clinical Meeting, Atlanta, Georgia, December 2002; American Society of Health-System Pharmacists, Leadership Conference, Washington, DC, October 2002

Focus on Small and Rural Hospitals: Managing Effectively with Limited Resources, Medication Safety Improvement, American Society of Health-System Pharmacists MidYear Clinical Meeting, Atlanta, Georgia, December 2002

Preparing the Pharmacy for a Joint Commission Survey: Patient Safety: Issues for 2003, American Society of Health-System Pharmacists MidYear Clinical Meeting, Atlanta, Georgia, December 2002

Linking the Elements of Medication Safety to JCAHO Standards, Arizona Pharmacy Practice Management Group, Phoenix, Arizona, November 2002; American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2001

JCAHO: 2003 Update, Florida Society of Health-System Pharmacists, Jacksonville, Florida, November 2002; Pennsylvania Society of Health-System Pharmacists, Lancaster, Pennsylvania, October 2002

The New Code of Ethics and Corporate Compliance, New Jersey Society of Health-System Pharmacists, Parsippany, New Jersey, November 2002

Act 13: Medical Care Availability and Reduction of Errors Act, Pennsylvania Society of Health-System Pharmacists, Lancaster, Pennsylvania, October 2002

Misadventures in Insulin Therapy: Optimizing Patient Management Strategies, American Academy of Nurse Practitioners Annual Conference, Reno, Nevada, June 2002

Pharmaceutical Packaging in Hospital Pharmacy: A View from the Trenches, Optimizing Medication Safety through Special Packaging, National Symposium on Patient Compliance, Healthcare Compliance Packaging Council, Philadelphia, Pennsylvania, May 2002

Risk Management: Reducing Medication Errors, 2002 Annual Indian Health Service Seminar, Oklahoma City, Oklahoma, March 2002

Performance Improvement and Medication Safety, How to Prepare for a Joint Commission Survey, American Society of Health-System Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 2001

The Cost of Drug Errors and Adverse Events: a Critical Approach in Reducing Medication Errors, Ensuring Patient Care by Reducing Medication Errors, Tulsa, Oklahoma, October 2001; Oklahoma City, Oklahoma, November 2000

Stories of Professional Stewardship, From Management to Leadership: The Building Blocks of Professionalism, American Society of Health-System Pharmacists Annual Leadership Conference on Pharmacy Practice Management, Chantilly, Virginia, October 2001

Issues in Medication Error Prevention, New London Hospital, New London, New Hampshire, July 2001; Manatee Memorial Hospital, Bradenton, Florida, April 2000; Mercy Hospital Cardiothoracic Conference, Scranton, Pennsylvania, April 2000; Mercy Hospital Grand Rounds, Wilkes-Barre, Pennsylvania, February 2000; Veterans' Administration Medical Center, Cleveland, Ohio, September 1998

Interprofessional Communication for Pharmacists, Alabama Society of Health-System Pharmacists Summer Meeting, Destin, Florida, June 2001; Allina Health System Pharmacists, Minneapolis, Minnesota, April 2001; Luzerne County Pharmacists' Association, Wilkes-Barre, Pennsylvania, April 1999; Clinical Drug Review Training, Torrance, Pennsylvania, April 1999; Alabama Pharmacy Association Annual Convention, Destin, Florida, June 1999

How to Develop an Effective Medication Safety Plan, Developing a Safety Agenda for Your Organization: A Common-Sense Approach American Society of Health-System Pharmacists Annual Meeting, Los Angeles, California, June 2001

Mentoring, Minnesota Society of Health-System Pharmacists Annual Meeting, Minneapolis, Minnesota, April 2001

Team Building, Minnesota Society of Health-System Pharmacists Annual Meeting, Minneapolis, Minnesota, April 2001

2001 Standards: An Overview of Pharmacy-Related Changes, JCAHO Standards Update, Pennsylvania Society of Health-System Pharmacists, March 2001

Medication Safety, Allied Technical Careers, Forty Fort, Pennsylvania, March 2001

J-code Issues for Pharmacy, Directors' Networking, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2000

Performance Improvement, Medication Use Indicators and Medication Safety, How to Prepare for a Joint Commission Survey, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2000

Staffing Challenges of a Suburban System, Dealing Effectively with Staff Shortages, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2000

Pharmacy Succession Planning, Dealing Effectively with Staff Shortages, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 2000

Promoting Safe Medication Use through Automation, Pyxis Technology Symposium: Responding to Contemporary Issues in Medication Management, King of Prussia, Pennsylvania, November 2000

Never Make the Same Medication Error Twice, PHTS, Columbia, South Carolina, October 2000; Memorial Hospital, Colorado Springs, Colorado, August 2000; MMI Knowledge Exchange Forum, Orlando, Florida, June 1999; Mercy Special Care Hospital, Nanticoke, Pennsylvania, June 1999

Documenting the Medication Use Process, Technology for the Future, Harrisburg, Pennsylvania, September 2000

Networking within the Health System, Allina Health System, Minneapolis, Minnesota, September 2000; Director of Hospital Pharmacy Management Development Program; Marina del Rey, California, March 1999 and November 1998; Orlando, Florida, March 1998; Philadelphia, Pennsylvania, March 1998; Orlando, Florida, September 1997, May 1997, April 1997 and January 1997

Developing a Pharmacy Business Plan, Allina Health System, Minneapolis, Minnesota, September 2000

Negotiation Skills, HMO/PPO Symposium: A Managed Care Program for the Pharmaceutical Industry, Dana Point, California, May 2000

Medication Error Reduction Strategies, Novartis Health System Fellowship, Englewood, Colorado, September 2000; Manatee Memorial Hospital, Bradenton, Florida, March 2000; St. Elizabeth's Medical Center, Covington, Kentucky, March 2000

Managing Networking and Marketing, Practical Management Skills for New Supervisors, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 1999

Pharmacy Department Strategies, Initiatives, and Staff Development, Developing Your Staff: Motivation and Competency, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 1999

Managing in a Newly Unionized Environment, American Society of Health-System Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 1999; Mercy Resource Management Annual Meeting, St. Petersburg Beach, Florida, October 1999

Member, Reactor Panel, Pennsylvania Student Leadership Conference, Philadelphia, Pennsylvania, September 1999

Developing Medication Error Strategies Outside the Pharmacy, Florida Society of Health-System Pharmacists Annual Meeting; Jacksonville, Florida November 1999, Orlando, Florida, August 1999

Effective Decision-Making for Pharmacists: Perspectives from a Health-System Pharmacy Director, Achieving Optimal Outcomes in Acute Coronary Syndromes: Combining Therapeutic Strategies, Reno, Nevada, June 1999

Pharmacy Law Review for Technicians, Northeastern Pennsylvania Society of Health-System Pharmacists, Scranton, Pennsylvania, May, 1999; American Association of Pharmacy Technicians Regional Meeting, Lake Harmony, Pennsylvania, March 1997; Northeastern Pennsylvania Society of Health-System Pharmacists, Scranton, Pennsylvania, October 1996

Managing Data, Practical Management Skills for New Supervisors, American Society of Health-System Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 1998

Current Practices in the Formulary Review Process: A Focus on Anesthetic Agents, Chirocaine National Hospital Pharmacy Advisory Board, Las Vegas, Nevada, December 1998

Tools for Successful Antibiotic Formulary Management, South Carolina Society of Health-System Pharmacists Winter Seminar, Greenville, South Carolina, November 1998

Using Order Sheets to Improve Formulary and Therapeutic Compliance, Mercy Resource Management Annual Meeting, St. Petersburg Beach, Florida, October 1998

Future Corporate Pharmacy Directors, Panel Discussion in Optimizing the Medication Use Process, American Society of Health-System Pharmacists Leadership Conference on Pharmacy Practice Management, Chicago, Illinois, October 1998

Basic Principles of Intravenous Product Preparation, Pennsylvania Pharmacy Association Annual Meeting, Mars, Pennsylvania, July 1998

A Regional Community-Based Integrated Health System, Understanding the Diversity of Managed Care Practice, American Society of Health-System Pharmacists Annual Meeting, Baltimore, Maryland, June 1998

Evaluating Quinolones: Critical Elements for Formulary Decision-Making, Current and Future Fluoroquinolones: What You Need to Know Before Making a Formulary Decision, Baltimore, Maryland, June 1998

Moderator, Positioning Integrated Health Systems for Success: Expanding Ambulatory Care Services, Baltimore, Maryland, June 1998

Organizational Approaches to Reducing Medication Errors, MMI Knowledge Exchange Forum, Atlanta, May 1998

The Emerging Power of the Pharmacist as a Decision-Maker, Targeting the New Elite: Non-MDs with Power Over the Prescription Pad, Healthcare Businesswomen's Association, Philadelphia, Pennsylvania, March 1998

Case Study: Redeploying Pharmacists within Two Community Health Systems, Redeploying Pharmacists within Health Systems: Nuts and Bolts Management Strategies, American Society of Health-System Pharmacists MidYear Clinical Meeting, Atlanta, Georgia, December 1997

Administrative Pearls, Directors' Networking Forum, American Society of Health-System Pharmacists Meeting; Workload and Productivity Monitoring, Atlanta, Georgia, December 1997; From Cocoon to Butterfly: Staff Metamorphosis, New Orleans, Louisiana, December 1996; "Integration of Information Systems, San Diego, California, June 1996

Directors' Roundtable, American Society of Health-System Pharmacists Meeting, Workload and Productivity Monitoring, Atlanta, Georgia, December 1997, Working Effectively with Health Care Consultants, Minneapolis, Minnesota, June 1997, Education and Retooling of Pharmacy Managers: Assuring Your Professional Marketability" New Orleans, Louisiana, December 1996

Managing the Risks of Medication Use, Updates in Risk Management, Orlando Regional Healthcare System, Orlando, Florida, October 1997

Pharmacists' Staff Development for Pharmaceutical Care, MRMI Annual Meeting, St. Petersburg Beach, Florida, October 1997

Pharmaceutical Care from the Trenches, New York City Society of Health-System Pharmacists, New York, New York, April 1997; Northeastern Pennsylvania Society of Health-System Pharmacists, Wilkes-Barre, Pennsylvania, October 1996; Northeastern Pennsylvania Directors of Pharmacy, Hawley, Pennsylvania, July 1995; Medical Center of Delaware, New Castle, Delaware, October 1993; MidEastern Pennsylvania Society of Hospital Pharmacists, Bethlehem, Pennsylvania, October 1993

Merger Mania: Perspectives from a Regional System, New York State Council of Health-system Pharmacists, Buffalo, New York, April 1997; Pennsylvania Society of Health-System Pharmacists Annual Assembly, Hershey, Pennsylvania, October 1996; American Society of Health-System Pharmacists Annual Meeting, San Diego, California, June 1996

Cutting Edge Strategies in Clinical Resource Management, Congress on Integrated Clinical Systems Management, Dallas, Texas, March 1997

Focused Topic Workshop, MMI Risk Management: Managing the Risks of Medication Use, Chicago, Illinois, February 1997; "Managing the Clinical Risks of Pharmacy Services, Arlington Heights, Illinois, May 1996 and Oak Brook, Illinois, August 1995; Risk Management Perspectives on Support Services - Pharmacy, Istaka, Illinois, May 1994; Risk Management Perspectives on Ancillary Services - Pharmacy, Oak Brook, Illinois, November 1993

Restructuring the Acute Care Pharmacy Department to Meet the Needs of an Integrated Health Organization, Positioning the Pharmacy in an Integrated Health Organization, San Diego, California, June 1996

Medication Error Prevention, Internal Medicine Department Meeting, Mercy Hospital, Scranton, Pennsylvania, May 1996; Mercy Hospital, Scranton, Pennsylvania, May 1995; Mercy Special Care Hospital, Nanticoke, Pennsylvania, November 1994; Mercy National Purchasing Annual Meeting, Tampa, Florida, October 1994; Luzerne-Lackawanna Chapter of the American Association of Critical Care Nurses, Wilkes-Barre, Pennsylvania, March 1994; Southern Tier (New York) Society of Hospital Pharmacists, Sayre, Pennsylvania, March 1994; American Pharmaceutical Association Regional Meeting, Boston, Massachusetts, October 1993; Wyoming Valley Long Term Care Practitioners, Harveys Lake, Pennsylvania, October 1993; Rhode Island Society of Hospital Pharmacists Annual Seminar, Providence, Rhode Island, October 1993; Clarksburg Veterans Administration Medical Center, Clarksburg, West Virginia, October 1993; Illinois Council of Hospital Pharmacists Annual Meeting, Oakbrook Terrace, Illinois, May 1993

Staff Accountability: Improved Patient Care through Empowered Pharmacists, Pharmacy Practice in Evolving Health-Care Systems: Meeting the Challenge, Dearborn, Michigan, March 1996

Pharmacy Electronic Bulletin Board Services, Mercy National Purchasing Annual Meeting, Tampa, Florida, October 1995

Managed Care, Exhibitor Seminar, Pennsylvania Society of Hospital Pharmacists Annual Assembly, Champion, Pennsylvania, October 1995; Bayer Northeast Regional Meeting, Wilkes-Barre, Pennsylvania, September 1995

Overview of Antimicrobial Therapy, Lackawanna County (Pennsylvania) Pharmacists' Association, January 1995; Pennsylvania Society of Physician Assistants, Northeastern Pennsylvania Chapter, Wilkes-Barre, Pennsylvania, June 1994; Luzerne County (Pennsylvania) Pharmaceutical Association, Wilkes-Barre, Pennsylvania, March 1994

Member, Reactor Panel, Tri-State Pharmacy Invitational Conference, Philadelphia, Pennsylvania, December 1994

Managing Pharmacy Budgets and Staffing in Today's Environment, Survival Course for Hospital Pharmacy Managers, Pennsylvania Society of Hospital Pharmacists, Allentown, Pennsylvania, August 1994

Marketing Pharmacists' Services to the Public, Iowa Pharmacists Educational Expo, Des Moines, Iowa, January 1994

Incidence of CHF in Long Term Care Facilities, Treatment Options for the Geriatric Patient, New Orleans, Louisiana, November 1993

Pharmacy Quality Improvement Opportunities Throughout the Hospital, Preparing the Pharmacy for Future Changes in JCAHO Standards; Pittsburgh, Pennsylvania, November 1993, Allentown, Pennsylvania, July 1993

Treatment of Migraine Headaches, Luzerne County Pharmaceutical Association, Wilkes-Barre, Pennsylvania, June 1993

ASHP Technical Assistance Bulletin on Use of Controlled Substances in Organized Healthcare Settings, American Society of Hospital Pharmacists Annual Meeting, Denver, Colorado, June 1993

Promoting Health Care Issues through a Public Television Program, American Society of Hospital Pharmacists Annual Meeting, Denver, Colorado, June 1993

The Care and Feeding of Controlled Substances, Mercy MedCare Physicians Monthly Meeting, Wilkes-Barre, Pennsylvania, May 1993

PharmNet, American Society of Hospital Pharmacists MidYear Clinical Meeting, Orlando, Florida, December 1992 and New Orleans, Louisiana, December 1991; American Society of Hospital Pharmacists Annual Meeting, Washington, DC, June 1992

The Staff Pharmacist's Role in Providing Pharmaceutical Care, Western Pennsylvania Society of Hospital Pharmacists Clinical Skills Seminar and Workshop, Pittsburgh, Pennsylvania, October 1992

Antibiotic Use in a Community Hospital: Trends Over 13 Years, American Society of Hospital Pharmacists Annual Meeting, Washington, DC, June 1992

PharmaTrend Tutorial: Practical Considerations of Implementing PharmaTrend, American Society of Hospital Pharmacists, Washington, DC, June 1992; Dallas, Texas, December 1988; San Francisco, California, June 1988

Pharmacy Security, Montgomery County Pharmaceutical Association, North Wales, Pennsylvania, May 1992

Integrating QA Activities with Distributive Services, Keystone Society of Hospital Pharmacists, Harrisburg, Pennsylvania, March 1992; Southeastern Pennsylvania Society of Hospital Pharmacists, Harrisburg, Pennsylvania, June 1991; Assuring Quality in Pharmacy Services for the 1990's, Pittsburgh, Pennsylvania, November 1990

Documenting Clinical Pharmacy Services in a Community Hospital, Pennsylvania Society of Hospital Pharmacists Midyear Meeting, Philadelphia, Pennsylvania, March 1992

Identifying Patient Outcomes: Integrating Clinical Services and Distribution, and Quality Assurance/Adverse Drug Reactions, Mountain States CE & Ski, Sun Valley, Idaho, February 1992

Meeting the JCAHO Standard: Nursing Education for IV Admixtures, American Society of Hospital Pharmacists MidYear Clinical Meeting, New Orleans, Louisiana, December 1991

JCAHO Requirements: Basic Principles of Intravenous Product Preparation, Philadelphia College of Pharmacy and Science, Philadelphia, Pennsylvania, November 1991

How to Ignite Your Employees' Creative Potential, Luzerne County Pharmaceutical Association, Wilkes-Barre, Pennsylvania, October 1991; Montgomery County Pharmaceutical Association, Lansdale, Pennsylvania, June 1991; Hazleton Area Pharmacy Seminar, Hazleton, Pennsylvania, May 1991; Bux-Mont Pennsylvania Society of Hospital Pharmacists, Lansdale, Pennsylvania, April 1991

Converting IV Systems without Losing Money, American Society of Hospital Pharmacists Annual Meeting, San Diego, California, June 1991

Guest Lecturer, LPN IV Therapy Course, Mercy Hospital, Wilkes-Barre, Pennsylvania, March 1991

Pharmacy Participation in a Community Hospital's High-Performance Teams, American Society of Hospital Pharmacists MidYear Clinical Meeting, Las Vegas, Nevada, December 1990

Quality Assurance: DUE and Target Drug Monitors, Delaware Valley Society of Hospital Pharmacists, Directors of Pharmacy Meeting, Philadelphia, Pennsylvania, May 1990

Moderator, The Impaired Pharmacist, A Working Symposium, Scranton, Pennsylvania, September 1989

Finances, Budgets and Dollar Bills, ASHP Affiliated State Chapter Officers Conference, Nashville, Tennessee, June 1989

Lecturer, Advanced Cardiac Life Support Course, Northeastern Pennsylvania, May 1989, September 1988, October 1982, March 1982, July 1981, January 1981, September 1980

Calculations of Cardiovascular Infusions, Mercy Hospital Telemetry Course, Wilkes-Barre, Pennsylvania, April 1989 and January 1988

Evaluating Patient Allergy Information, American Society of Hospital Pharmacists Annual Meeting, San Francisco, California, June 1988

PharmaTrend Tutorial: Aspects of Data Collection, Pennsylvania Society of Hospital Pharmacists MidYear Meeting, Atlantic City, New Jersey, February 1988

Newly Approved Medications, EMT/Paramedic Course, Mercy Hospital, Wilkes-Barre, Pennsylvania, April 1986

Member, Reactor Panel, Pharmacy in the Year 2000, Pennsylvania Society of Hospital Pharmacists MidYear Meeting, Philadelphia, Pennsylvania, March 1984

Hospital Pharmacy Inspection Form, Inservice for Pennsylvania Department of Health Nurse Inspectors, Harrisburg, Pennsylvania, June 1982

Lecturer, EMT/Paramedic Course, Wilkes-Barre, Pennsylvania, April 1982

Staffing Needs of Affiliates, American Society of Hospital Pharmacists Chapter Officers Workshop, San Francisco, California, December 1980

Poisoning, Wilkes-Hahnemann Television Network, Wilkes-Barre, Pennsylvania, February 1980

Patient Education for Cardiac Medications, American Heart Association Cardiac Seminar, Wilkes-Barre, Pennsylvania, October 1979

Therapeutics of Respiratory Agents, Respiratory Care Consortium, Wilkes-Barre, Pennsylvania, October 1978

Drugs of Abuse, Wilkes-Hahnemann Television Network, Wilkes-Barre, Pennsylvania, September 1978

Total Parenteral Nutrition, American Association of Critical Care Nurses, Luzerne- Lackawanna Chapter, Wilkes-Barre, Pennsylvania, April 1978

UNIVERSITY PRESENTATIONS

Roles, Responsibilities, and Career Opportunities, PHA 534 Introduction to Hospital Pharmacy, Wilkes University, Wilkes-Barre, Pennsylvania, April 2021, March 2019, April 2018, March 2017, March 2016, March 2015, March 2014

Preventing Medication Errors, part of PHA 405, Pharmaceutical Care Systems: Designs and Control, Wilkes University, Wilkes-Barre, Pennsylvania; September and November 2020, November 2019, October 2018, October 2017, November 2016, September 2015, November 2014; September, 2013; November 2012, November 2011, September 2011, December 2010, October 2009, September 2008, September and November 2006, September 2005, September and October 2004, October 2003, September 2002, September 2001, September and October 2000, September and October 1999

Rural Healthcare, Husson University, Bangor, Maine, October 2015

Panel Discussion, Foundations for Pharmacy Practice, Wilkes University, Wilkes-Barre, Pennsylvania; April 2018, April 2013, March 2008, May 2006, April 2005, April 2004, April 2002, April 2001, September 1997

White Coat Ceremony, Husson University, Bangor, Maine, October 2015

Promoting Medication Safety, Professional Forum, Texas A&M University School of Pharmacy, February 2015

Sterile Preparations, Admixture Programs, and Parenteral Therapy, University of Houston, PHCA 6321 Hospital and Health Systems Management; October 2013, October 2012

Pharmacy's Role in Hospital Accreditation, part of PHA 534 Introduction to Hospital Pharmacy, Wilkes University, Wilkes-Barre, Pennsylvania, April 2013, March 2012

Medication Safety: Protecting Our Patients, Nova Southeastern University College of Pharmacy, Davie, Florida, February 2007

Sessions on hospital accreditation, part of PHA457, Introduction to Health System Pharmacy Practice, Wilkes University, Wilkes-Barre, Pennsylvania, October 2006

Promoting Medication Safety, Midwestern University, Glendale, Arizona, October 2005

Medication Error Prevention, Dean's Seminar and Pharmaceutical Care Systems and Design, Wilkes University, November 1998

Side Effects of Common Medications, University of Scranton, Scranton, Pennsylvania; April 1998, May 1997

Managing within a Health System, Pharmacy Management I, Wilkes University, September 1997

Organizations, Orientation to Pharmacy, Wilkes University, Wilkes-Barre, Pennsylvania, September 1996

Technological Survival, Pharmacy Orientation, Wilkes University, Wilkes-Barre, Pennsylvania, December 1994

Pharmacy Administration, Duquesne University, Pittsburgh, Pennsylvania, March 1991 and April 1990

Production and Operations Management, Wilkes College, Wilkes-Barre, Pennsylvania, February 1987

Chemicals and Our Environment, Kings College, Wilkes-Barre, Pennsylvania, July 1981

COMMUNITY PRESENTATIONS

Ask the Pharmacist, WOHI Radio, East Liverpool, Ohio, January 2004

Medication Errors, WPGM-WBGM Radio, Scranton, Pennsylvania, May 2000

Call the Doctor: Healthy Living for Seniors, WVIA-TV, PBS Affiliate, Pittston, Pennsylvania, February 2000

Call the Pharmacist, WVIA-TV, PBS Affiliate, Pittston, Pennsylvania, October 1998 and December 1995

Segments on Health Beat, WBRE-TV, NBC Affiliate, Wilkes-Barre, Pennsylvania: "Poison Control Week, March 1998; Drug Control, September 1996; Talk About Prescription Month, October 1993; Rogaine, March 1992; Prescription to OTC Switch, Pediculosis, October 1991; Storage of Medications, May 1991; Ketamine, December 1999

Selecting Your Pharmacist, Mended Hearts Support Group, Scranton, Pennsylvania, December 1997; Women's and Children's Health Series, Mercy Hospital, Scranton, Pennsylvania, May 1997; Philanthropic Educational Organization, Dallas, Pennsylvania, February 1997; Senior Learners, Marywood College, Scranton, Pennsylvania, September 1996; Mercy Health System Community Health Series, Wilkes-Barre, Pennsylvania, March 1995; Firwood United Methodist Senior Citizens' Group, Wilkes-Barre, Pennsylvania, February 1995; Mercy Hospital Neuro Support Group, Wilkes-Barre, Pennsylvania, August 1993; Baptist Tabernacle Adult Group, Wilkes-Barre, Pennsylvania, March 1993; Mercy Hospital Diabetic Support Group and Wilkes-Barre Area Diabetic Support Group, Wilkes-Barre, Pennsylvania, November 1992; Rotary Club of Wilkes-Barre, Pennsylvania, April 1992

Segment on Heartburn in America, Mercy Health Partners television presentation, December 1997

What is a Pharmacist?, Leadership Wilkes-Barre CareerQuest, Wilkes-Barre, Pennsylvania, March 1994; Meyers High School Career Day, Wilkes-Barre, Pennsylvania, November 1993; Wyoming Area High School Gifted Classes, Exeter, Pennsylvania, January 1993

Segment on Midday Live, WBRE-TV, NBC Affiliate, Wilkes-Barre, Pennsylvania: Regulating Nutritional Supplements, August 1993

Segments on An Apple A Day, WVIA-TV, PBS Affiliate, Pittston, Pennsylvania, Books About Medicines and Understanding Your Prescription, October 1992; "Generics or Brand Name Medicines? and Medication Tips for the Caregiver" March 1992; Vaccinations for Adults and How to Protect Against Tampering, January 1992; Calcium and Estrogens, and Anabolic Steroids, November 1990; Tanning Products, May 1990; Your Medicine Cabinet, April 1990; Poison Prevention, March 1990; Over-the-Counter Medications and Proper Storage of Medications, December 1989

Let's Talk About Your Prescriptions, St. Mary's Orthodox Church Fellowship, Wilkes-Barre, Pennsylvania, February 1992; Pennsylvania Miller's Mutual Retired Employees, Wilkes-Barre, Pennsylvania, October 1991; Laffin Women's Club, Laffin, Pennsylvania, October 1988

Medication Update, TOPS, Nanticoke, Pennsylvania, November 1990; TOPS, Wilkes-Barre, Pennsylvania, December 1989; Mercy HealthQuest, Wilkes-Barre, Pennsylvania, August 1989; TOPS, Kingston, Pennsylvania, July 1989; Back Mountain Seniors, Shavertown, Pennsylvania, July 1989; Christian Mothers of Holy Cross Church, Hanover, Pennsylvania, March 1989; Pittston Rotary Club, Pittston, Pennsylvania, January 1989; Pittston Township Lion's Club, Pittston, Pennsylvania, November 1988

Over-the-Counter Diet Products, Mercy Hospital Community Education, Wilkes-Barre, Pennsylvania, February 1990

Health Screening: Medications, Mercy Hospital Twelve Days of Christmas, Kingston Senior Citizen's Center, Kingston, Pennsylvania, January 1990

Summer Safety: OTC Sunscreens, Mercy Hospital Community Education, Wilkes-Barre, Pennsylvania, June 1989

Your Prescription Medications, Mercy Hospital HealthQuest Series, Wilkes-Barre, Pennsylvania, September 1988

Senior Care, Mercy Health Care Center, Nanticoke, Pennsylvania, May 1988

ElderCare, St. Stanislaus Medical Center, Nanticoke, Pennsylvania, August 1987

Cardiac Medications, Mercy Hospital Cardiac Club, Wilkes-Barre, Pennsylvania, January 1987, April 1986, March 1985, March 1984

Medications, Wyoming Methodist Church Adult Fellowship, Wyoming, Pennsylvania, April 1986

Pharmacists Against Drug Abuse, Business and Professional Women's Club, Tunkhannock, Pennsylvania, January 1986

Medications, Meet the Doctor, WNEP-TV, Avoca, Pennsylvania, October 1983

Over-the-Counter Medications, Mercy Hospital Community Series, Wilkes-Barre, Pennsylvania, March 1982

Cardiac Medications, Zipper Club of Wyoming Valley, Wilkes-Barre, Pennsylvania, March 1980

Diabetes, Health Beat, WVIA-TV, Pittston, Pennsylvania, July 1977, February 1976

CONSULTANT FOR

CriticalPoint, 2007 to present

PharMEDium Services LLC, Executive Advisory Board, September 2014

BD, 2014

Astra Zeneca (formerly Zeneca) Hospital Pharmacy Advisory Board, 1998 to 2006

Health Care Consulting Group, April 2005

Pharmacia National Pharmacy Advisory Board, June 2001

Genentech Pharmacy Advisory Panel, 1992 - 2000

St. Paul (formerly MMI) Healthcare Risk Management, December 1996 - 2000

Ad Hoc Work Group on Pharmaceutical Services, Hospital & Healthsystem Association of Pennsylvania, 1998 - 2000

iMany Advisory Board, March 2000

Bayer Partners in Pharmacy Education Advisory Council, Chairman, 1998 - 1999

Central (Pennsylvania) Region PACE Drug Utilization Review Committee, 1995 - 1998

Marsam Pharmaceuticals Hospital Pharmacy Advisory Panel, 1994 - 1997

McKesson Hospital Advisory Board, Delran, New Jersey, April 1994

Merck Sharp & Dohme National Hospital Pharmacy Advisory Panel; West Point, Pennsylvania, 1988 - 1991

Health Information Design, Arlington, Virginia; National Clinical Monitor 1990; Clinical Reviewer, Pennsylvania PACE Program, 1988 - 1990

Compute-Rx Hospital Advisory Council, Richmond, Virginia, October 1990

Kay Wholesale Drug Company Hospital Pharmacy Advisory Panel, Wilkes-Barre, Pennsylvania, June 1989

Peer Reviews, Pennsylvania Society of Hospital Pharmacists, November 1981, November 1978

PARTICIPANT IN

Safe to Touch: National Consensus Conference on Hazardous Drug Surface Sampling, Expert Panel, 2020

Pharmacy Technician Accreditation Board, Hazardous Drug Management Task Force, 2020

Pharmacy Technician Accreditation Board Sterile Compounding Job Analysis Task Force, Scottsdale, Arizona, January 2017; Advanced Certification Task Force, Alexandria, Virginia, May 2015

Oncology Nursing Society, Safe Handling of Hazardous Drugs Stakeholders Meeting, Washington, DC, February 2015

ISMP IV Push Medication Safety Summit, Philadelphia, Pennsylvania, September 2014

Florida Board of Pharmacy Compounding Rules Workshop, Orlando, Florida, May 2013

Pharmacy Sterile Compounding Summit, ASHP-AHA-Pew Charitable Trust, Washington, DC, February 2013

ISMP IV Compounding Safety Summit, Lafayette Hill, Pennsylvania, October 2011

Global Conference on the Future of Hospital Pharmacy, International Pharmaceutical Federation, Zurich, Switzerland, August 2008

IV Safety Summit, American Society of Health-System Pharmacists, Rockville, Maryland, July 2008

Advancing the Safe and Appropriate Use of Contrast Media Agents in the Hospital Setting, Washington, DC, November 2007

Mercy National Purchasing Pharmacy Executive Committee, May 1991 to October 1999

Pharmacy in Managed Care: Vision for the Future, Dallas, Texas, February 1998

AACP Academic Management Symposium, Savannah, Georgia, February 1998

Four-State Pharmacy Retreat Program, Long Branch, New Jersey, June 1997

Pennsylvania Invitational Pharmaceutical Care Conference, Harrisburg, Pennsylvania, November 1996

ACA/NARD Invitational Conference on Pharmacist Care, Collegeville, Pennsylvania, May 1996

Leonard Davis Institute-Wharton School of Business, SKB Program for Directors of Hospital Pharmacy, 1994 Class Representative, University of Pennsylvania, Philadelphia, Pennsylvania, 1995

Understanding and Preventing Drug Misadventures, Chantilly, Virginia, October 1994

Pennsylvania Health Care Forum, Washington, DC, October 1993

Coalition for Consumer Access to Pharmaceutical Care, testimony presented to US House Ways and Means Committee, Health Subcommittee, April 1993

ASHP Conference on Implementing Pharmaceutical Care, San Antonio, Texas, March 1993

Conference on Pharmaceutical Industry Research, Innovation and Public Policy, Cambridge, Massachusetts, February 1993

Directions for Pharmaceutical Care in Pennsylvania, Harrisburg, Pennsylvania, October 1992

Hospital Central Services Corporation Pharmacy Executive Committee, May 1989 to April 1990

Directions for Clinical Practice in Pennsylvania, Lancaster, Pennsylvania, April 1986

Patient Education, Smith Kline and French, San Diego, California, January 1983

Sugarloaf III, The Trustee Group for Pennsylvania Pharmacists, Philadelphia, Pennsylvania, November 1980