APhA Contributed Papers Program

The APhA Contributed Papers Program is designed to challenge practitioners, researchers, and students by providing a forum in which to share practice information, disseminate research findings, and educate colleagues. Abstracts were solicited from all pharmacy practice areas, including practitioners, scientists, residents, and students.

Author Index
An Author Index and map of the Contributed Paper poster presentations is located in the poster hall. You may also click on the Poster icon on the APhA2019 App.

Abstract Categories
Investigators were invited to submit abstracts on topics relevant to pharmacy practice and pharmacy-focused scientific research in one of four abstract categories:
- Contributed Research Papers
- Innovative Practice Reports
- Reports on Projects in Progress
- Encore Presentations

Abstracts were accepted as poster presentations or podium sessions.

Adherence and Persistence
1–Analysis of a First-Fill Adherence Program. Austin S, Wity, M, Polgreen, I, Jemelband B, University of Iowa
4–Effect of a Medication Discharge Program on Primary Medication Non-Adherence. Danilo J, Jaynes H, Snyder M, Zillich A, Purdue University
5–Patient-Level Accountability in Medication Adherence: Validating an Accountability Tool. Fatkulead A, Essi D, Lee S, Schwartzman E, Western University of Health Sciences
6–The Effectiveness of Community Pharmacist-Performed Adherence Interventions on Long-Term Medication Adherence Rates. Huang C, Hamper J, Plante R, Diamarene M, Albertsons Companies
7–Collaboration Between a Community-Based Pharmacy and Prescriber Practices to Address Primary Nonadherence. Houston M, Rhodes I, Cody C, University of North Carolina, Brantham A, Moose J, Moose Pharmacy
8–A Mixed Methods Investigation of the Barriers and Facilitators of Medication Adherence in Patients with Type 2 Diabetes Across Different Health Literacy Levels. Hunter Q, University of Wisconsin
10–Hydroxyurea Medication Adherence and Opioid Use Among Texas Medicaid Enrollees With Sickle Cell Disease. Kang J, University of Texas
11–Analysis and Comparison of 30- and 90-Day Unused Prescription Medications Returned to a Community-Based Pharmacy Drug Disposal Program. Keenel S, Lister C, Virginia Commonwealth University, Kaerfer T, University of Michigan Institute for Healthcare Policy and Innovation, Goode Jean-Venables, Bremo Pharmacies
12–Improving Pharmacy Staff Knowledge of a Medication Synchronization Program And Impact On Proportion Of Days Covered For Medicare Patients In A Community Pharmacy Chain. Koiz T, Hegeman-Ortlep K, Meijer Pharmacy/Wayne State University, Hunter A, Tava J, Wayne State University
13–Modified Drug Adherence Workup (M-Draw) Checklist: Identifying and Addressing Medication Adherence Among Patients With Diabetes at A Veterans Affairs Outpatient Clinic. Lee S, High Point University, Law A, Gogneni H, Western University of Health Sciences, Walker M, Ohio State University, Bae-Shaw Y, University of Southern California
16–Evaluation of Adherence to Insulin Glargine Stability Data in Patients Enrolled in a Multi-Hospital Community Health System Sponsored Medication Assistance Program. Polley E, Ibrahim S, Ng E, Zock T, Hanekwisch K, Patel S, Brzezinski M, NorthShore University HealthSystem
17–Identifying Factors Affecting Medication Nonadherence in a Geriatric Population. Reeves K, Cole A, Fry’s Pharmacy, Jackowski R, Midwestern University
18–Validation of a Telephone Communication Style Assessment. Rickles N, University of Connecticut, Tierger P, Connect Health

Abstract Topics
Authors were asked to select a topic area that best fits their abstract. Abstracts are grouped by topic to allow attendees to easily view similar topic areas.

Poster Presentations
Posters are displayed in Hall B of the Convention Center during the following hours:
Saturday, March 23 9:00 am–6:00 pm
Sunday, March 24 9:00 am–3:00 pm

Meet the Researchers
For a chance to talk with the researchers about their projects, attend the “Meet the Researchers” session on Saturday, March 23, 12:30 pm–2:30 pm, in the poster presentation area in Hall B. Earn 1 or 2 CPE credits!

Podium Presentations
Papers selected for podium presentations will be presented during the Day of Science on Friday, March 22. Podium presentations are scheduled in 20-minute intervals. See pages 37 and 40 for details.

Awards
The APhA Contributed Papers Program includes the opportunity for papers to be evaluated for two award programs:

APhA-APPM Presentation Merit Award
Open to posters presented under the Practitioner category (or Resident/Student category if appropriate), this award recognizes presentations made on practice-related subjects in the contributed research, innovative practice, and current residents category.

APhA-APRS Postgraduate Best Paper
Open to graduate students, residents, fellows, and postdoctoral scholars who are the principal authors of papers presented under Basic Sciences; Clinical Sciences; and Economic, Social, and Administrative Sciences (ESAS).

Complete abstracts of all accepted papers will be published online in the May/June edition of the Journal of the American Pharmacists Association (JAPhA) at www.japha.org.

20–The Impact of Medication Synchronization and Compliance Packaging on Hemoglobin A1c in Type 1 and Type 2 Diabetes. Singh N, Akers T, Duquesne University, Hoover S, Hometown Pharmacy.


22–Lack of Medication Refill Synchronization in Patients with Heart Failure: Quantification of Burden and Effects on Adherence. Steinhien L, Lipscomb University, Cox Z, Lipscomb University and Vanderbilt University Medical Center. Sabato L, Vanderbilt University Medical Center.


Cardiovascular Care


32–Medication Use Evaluation (MUE) of Entresto (Sacubitril/Valsartan). Entsout N, Oregon State University.


34–Evaluation of SAMeTTR2R Score on Predicting Anticoagulation Control With Extended-Interval Warfarin Monitoring. Hoang A, High Point University, Smith S, Dietrich F, James C, University of Florida, Carris N, University of South Florida.

35–Community Pharmacist-Led Intervention to Identify Statin-Eligible Persons. Jain N, Rhodes L, Donal F, Palm Beach Atlantic University, Simmons D, Atlantic Pharmacy.


39–Precipitating Factors for Heart Failure. Miller V, University of Louisville Miller U, University of Louisiana.

40–Of Angiotensin-Converting Enzyme Inhibitor or Angiotensin Receptor Blocker or Angiotensin Receptor-Nepilisyn Inhibitor and Beta-Blocker Guideline Adherence Prior to Hospitalization for Decompensated Heart Failure. Montgomery A, Beckett R, Whitaker A, Manchester University, Roddite K, Quick S, Lutheran Hospital of Indiana.

Collaborative Practice

41–Defining the Role of Community Pharmacists in a Value-Based Health Care System. Augeri S, Stafford R, University of Arkansas for Medical Sciences.

42–Pharmacy Students as Integral Collaborators in Interprofessional Education (IPE) Simulation with Physician Assistant, Optometry, and Nursing Programs. Au A, Molea A, Gonzalez B, Marshal B, Kelcham University, Doyer B, California State University.


44–Community Pharmacist’s Perceptions Regarding Their Role in the Health Care Team of Patients with Chronic Conditions. Brown B, Rush A, Rails B, Utah Department of Health, Unu S, Roseman University of Health Sciences.


47–Improving Hypertension Control via a Large Health System and Community Pharmacy Partnership. Huan A, Choe H, University of Michigan, Lincell V, Settles A, University of Colorado.


49–Impact of an Interprofessional Tobacco Cessation Protocol in a Student Health Clinic. Sabato L, Vanderbilt University Medical Center.


54–Impact of Credentialing and Provider Privileges on Clinical Interventions Made by Advanced Practice Pharmacists in California. Lu W, Mislaan L, Dang R, University of Southern California, Araschanova D, ClinicCare Pharmacy.

55–Collaborating from the Community to the Clinic: Evaluation of Pharmacist-to-Pharmacist Communication to Optimize the Medication Use of Mutliple Patients. Lucasenriette A, Cochran K, University of Missouri, Rudder C, Kigme’s Medical Pharmacy.

56–Enhancing an Interprofessional Approach to Managing Patients with Uncontrolled Type 2 Diabetes and Hypertension in a Volunteer Clinic. Weidner W, Hope N, Maczyszyn G, University of Texas.


Communication/Patient Education

61–The Importance of the Assessment of the Patient’s Pharmacotherapy During Medical Cannabis Treatment. Albrogera G, Martinez-Quinones R, University of Puerto Rico, Riera-Hernandez J.


63–Assessing Awareness of Naloxone in Individuals Who Take Chronic Opioids and Are at Risk for an Accidental Overdose. Zhang J, Steimle C, University of Toledo.

APhA Contributed Papers Program

66–Evaluation of Oral Contraceptive Counseling by Community Pharmacists in the College Health Setting.
Coelho B, Marciniak M, Selinger R, Sauls A, Schimmel J, Jenkins G, Goodacre A, University of North Carolina, Rhodes I, Palm Beach Atlantic University and University of North Carolina

Crenshaw S, Ramachandran S, Ballou J, University of Mississippi

68–Patient Satisfaction with Education About Opioid Medications and Management and Willingness to Obtain Naloxone.
Elias N, Goodo J, Nappaza P, Virginia Commonwealth University, Jaddal J, Buford Road University

69–Improving Motivational Interviewing Techniques Using the Patient Activation Measure (PAM) During Patient Home Visits.
Frexner K, McKeiman K, Washington State University

70–Student Pharmacist Intervention in Patient Selection of Nonprescription Medications and Self-Care Products.
Gospadarov I, Wilton M, Southern Illinois University

71–Awareness and Perception of Skin Cancer and Use of Sunscreen for Prevention.
Holstein S, Tung H, University of Maryland

73–Incorporating Student-Produced Nonprescription Medicine Information Videos into a Clinical Skills and Simulation Laboratory for First Professional Year Student Pharmacists.
Kim J, Mercer University

74–Wikipedia Drug Information Pages for Health Care Professionals: Describing the Modifications to a Crowdsourced Encyclopedia.
Kuchta S, Dovia R, Rosalind Franklin University

75–Contrasting the Pharmacist-Patient Interactions Across States with Varied Scores of Practice and Their Impact on the Public Perception of Pharmacists.
Leung A, Karapetian S, Nguyen D, Pacific University, Yafai A, Glauser L, University of Illinois, Gaangwara D, University of South Carolina

76–How Do Patient Questions Affect Pharmacists’ Consultations on Two Over-The-Counter Drugs: Ibuprofen and Loperamide.
Peters J, Chewing B, Wisconsin University

Papazian S, Sullivan K, Popova T, Konatly J, Patanek C, Barone J, Tascani M, Rutgers University, O'Malley D, Robert Wood Johnson Medical School, Gonzalez V, Lymphoma Research Foundation

78–Evaluating the Source and Frequency of Interruptions in Community Pharmacies.
Becks A, Chu M, University of Wisconsin, Abshere E, Johns Hopkins Medicine, Rivera A, Children’s Hospital of Wisconsin

79–Eye Gaze and Empathy in Pharmacy Encounters.
Ricci D, Chewing B, Peters J, University of Wisconsin

80–Assessing Pharmacist-Delivered Education on Nebulizer Device Use in Patients on Maintenance Therapy for Asthma at COPD.
Showmaker Q, Elswick B, West Virginia University, Mann A, Koger J

81–Evaluation of Antidepressant Medication Counseling in the College Health Setting.
Sprekelman J, Selinger R, Sauls A, Schimmel J, Goodacre A, Jenkins G, Marciniak M, University of North Carolina, Rhodes I, Palm Beach Atlantic University and University of North Carolina

Diabetes

82–Implementation of a Community Pharmacist-Centered Diabetes Management Program Using a Chronic Care Management Model.
Anderson A, Veach S, Willy M, Goedken A, University of Iowa, Tというもの M, North Liberty Pharmacy

83–A Pre-Intervention Analysis of Metformin Use for Prediabetes.
Rudee J, Albany and Health Sciences University

84–Sharps Disposal Practices Among People with Diabetes in a Community Care Clinic: Identifying Opportunities for Focused Sharps Disposal Education.
Chappleau M, Parsons K, Scherberbaka N, Capoccia K, Western New England University

85–and Correlates of Antidepressant Treatment in US Populations with Diabetes Kidney Disease.
Chiliana S, Pai A, Erickson S, Fanis K, Baggarai R, University of Michigan

86–The Potential Role of Community Pharmacies in Identifying Gaps in Cardiovascular Disease Risk Management and Vaccine Recommendations in Patients with Diabetes.
Clement N, Machado M, Mistry A, MCHS University

87–Opening DOORS (Doors Of Opportunities to Realize Success) for Diabetes Education.
De Andrade A, University of Texas at El Paso

Fink R, Troka K, University of Colorado

89–A Literature Analysis of Sodium-Glucose Cotransporter-2 (SGLT2) Inhibitors: Clinical Trial Results vs. Clinical Practice.
Holmes J, Ewell E, Tascani M, Rutgers Pharmaceutical Industry Fellowship Program

90–Evaluation of a Community Pharmacy-Based Diabetes Self-Management Education and Support (DSMES) Program in a Supermarket Chain Pharmacy.
Jones M, Hudspeth B, Grise W, Kebadebe C, Divine H, University of Kentucky

91–National Survey of Pharmacy Students Volunteering at Camps for Children with Diabetes.
Kassavath N, Jacobson C, Iowa Linda University, Whitley H, Auburn University

92–Implementation of the National Diabetes Prevention Program in a Community Pharmacy Setting.
Khan M, University of Wisconsin, Linde A, Beaver Dam Hometown Pharmacy

93–Implementation of a Formal Registered Dietitian Referral Process for Patients with Diabetes in a Large Community Pharmacy Chain.

94–Successful Implementation Strategies for Community Pharmacy-Based National Diabetes Prevention Programs (NDPP) in Pennsylvania.
Leopprig A, Berezeklo J, University of Pittsburgh

95–Prevalence of Type 2 Diabetes and Approved Pharmacological Agents in the United States.
Li T, Chapman University

96–Evaluation of the Effects of the Freestyle Libre® Glucose Monitor on Behavior, Diet, and Exercise in People with Diabetes.
Manuel K, Cameron A, Arnanon T, University of Saskatchewan

97–A Patient-Level Micro-Simulation Model for Evaluating the Potential Cost-Effectiveness of Pharmacist-Based Interventions in the Management of Diabetes-Related Complications in Canada.
Manuel K, Yaghoubi M, Vathanarath H, Farag M, University of Saskatchewan, Zeng W, Brandes University

98–Beating Diabetes: The Use of a Novel Nutrition and Medication Adherence Measure to Improve the Outcomes of Patients with Diabetes. David J, Union University, Frede S, Kroger, Heaton P, University of Cincinnati

Meucci S, Ray J, Holzer

100–Conversion of Insulin Glargine to Insulin Detemir in Older Adults.
Meyer K, Molesby-Bukstein W, Blader I, Drake University

101–Introducing the Pharmacy Workforce to the National Diabetes Prevention Program.
Montibello B, Blacher R, Centers for Disease Control and Prevention

102–Drug-Induced Weight Gain in Patients on Antihyperglycemic and Antihypertensive Medications: Prescribing Patterns in a Federally-Qualified Health Center.
Munoz J, Kennedy A, Rowen M, Holloway D, El Rio Community Health Center

103–Impact of a Pharmacist-Led Comprehensive Medication Management (CMM) Service on Diabetic Patient Health Outcomes in a Rural Primary Care Clinic.
Mwee J, Kennedy S, Afatse C, Douglass G, Handling University

104–Examination of a Community Pharmacy-Based Type 2 Diabetes Mellitus Education and Management Program on Changes in Patient Outcomes.
Nguyen E, Willis R, Farinha T, Hamper J, Albertsons Companies, Irlama J, Regis University

Rome A, Albertsons’ Companies

106–Patient-Centered Interventions Focusing on Diabetes Self-Management: A Scoping Review.
Sakhar M, Arnold A, Rosenthal M, University of Missouri, Thakur T, University of Wisconsin

107–Impact of Pharmacist Intervention on Statin Initiation in a Medicaid Population.
Shinwari S, University of Southern California

108–A Validity and Cognitive Interview Process to Evaluate the Cultural Appropriateness of a Modified Illness Perception Questionnaire in African Americans with Diabetes.
Shivanbola O, Ward E, Bolt D, Tarfa A, University of Wisconsin, Brown C, University of Texas

Showmaker A, Olenik N, Menedez A, Purdue University

110–Assessment of Diabetes Educators’ Needs in Diabetes Application Functionality.
Sandhu M, Healthcine, Gonzaflo J, Purdue University

111–Impact of Physician-Accepted vs. Unaccepted Pharmacist-Initiated Interventions on A1c Outcomes in Underserved Populations Disproportionally Affected By Diabetes.

112–Surveying the Landscape: Healthcare Practitioner Views on Statewide Diabetes Management and Prevention Efforts.
Throod T, Pinto S, South Dakota State University

113–Clinical Service of Anticoagulation Pharmacists to Diabetes Medication Management.
Van Allen A, Wiskow J, Davis J, Multicare

114–Evaluation of Diabetes Control after Initiating Continuous Glucose Monitoring in Persons with Type 2 Diabetes.
Veen S, Community Health Association of Spokane

115–Effects of Canagliflozin on Serum Potassium in the CANVAS Program.
Mortensen B, Janssen Scientific Affairs, Ware M, University of Maryland School of Medicine, Basl D, Janssen Research & Development, LLC, de Zeeuw D, University of Groningen, Perkovic V, The George Institute for Global Health

116–Intestinal Absorption of Logandrin, A Iridoid Glycosides from Gandi Capsule, using Caco-2 Cells.
Xu D, University of Groningen, Perkovic V, The George Institute for Global Health
Conferences


Educating the Educator


121-Student Pharmacist and Faculty Knowledge of Terminology, Health Concerns, and Attitudes about the Lesbian, Gay, Bisexual, Transgender, and Queer/Questioning (LGBTQ) Population. Strokhoven T, Ferguson M, Southern Illinois University.

122-Self-Efficacy of Final Year Pharmacy and Medical Students in Managing Patients with Mental Health Disorders. Devraj R, Southern Illinois University.

123-Improving Pharmacy Student Orientation to a Transplant Medication Therapy Management Rotation. Enderby C, Atwal H, Mayo Clinic.

124-Impact of Consultation Video Demonstrations as a Supplemental Educational Tool in Objective Structured Clinical Examinations. Fulkennen S, Leveen M, Bridge T, University of South Carolina.


127-Implementation of Pharmacogenomic Continuing Education Seminars may be Useful for Preceptors and Faculty. Kelley B, Kinney S, Soo M, Western New England University, Marcinko R, Baystate Medical Center.


130-Primary Care Pharmacist Providers (PCPPs): Preparing Pharmacists to Meet This Opportunity. Makinnon K, Makinnon G, Medical College of Wisconsin.

131-Impact of Intensive Educational Services on Naloxone Dispensing Rates in a Large Community Pharmacy Chain. Oltmanns L, Williams N, Appeddu L, Southernmost Oklahoma State University.


134-The Oath of a Pharmacist Meets the Future of Pharmacy. Straw J, Ware K, South University.


Emerging Topics


139-The Utilization of a Diabetes Supplies Protocol in Outpatient Pharmacies in an Academic Medical Center. Babai N, Djicic K, Otto-Meyer S, University of Illinois.

140-Using Drug Information Requests Within a Large Medical Group to Identify Training Needs and Opportunities for the Active Provision of Drug Information. Barker M, Frieilich J, Salgado T, Virginia Commonwealth University, Messeman K, Bon Secours Medical Group, Bon Secours Virginia Health System, Fernandes Lulins F, University of Lisbon.


145-Enhancing Students’ Perceptions of Their Learning During Pharmacy Compounding Lab. Bowman B, Midwestern University.

146-Considerations in Dosing of Tobramycin for Adult Patients with Cystic Fibrosis. Desai T, Beisinger P, Park J, University of Southern California.

147-Effects of a Harm Reduction Program in Decreasing Heroin Use in a Rural Setting. Harris L, Booth R, Hatic A, Family Health Services of Darke County, Chen A, Cedarville University.

148-Implementation of an Antimicrobial Stewardship Program Within a Community Healthcare Center. Hayes A, Community Health Association of Spokane.


152-The Role of Direct Oral Anticoagulants in Factor V Leiden. Ishik M, Trang VJ, Truong D, Nova Southeastern University, Joud M, Palm Beach Atlantic University.


164-Increasing Influenza and Group A Streptococcus Point-of-Care Testing in Arkansas Community Pharmacies. Smith M, Talley S, Stafford R, University of Arkansas for Medical Sciences.

166–Association of Tenofovir Disoproxil Fumarate Exposure with Chronic Kidney Disease in US Veterans with HIV. Sutton S, Hardin J, University of South Carolina, Magagnoli J, Edin B, Cummings T, VJB Dom Veterans Affairs Medical Center, Beaubrun A, Hsu L, Gilead Sciences

167–Incidence and Risk of Major Depression and Suicidal ideation in US Veterans With and Without HIV. Sutton S, University of South Carolina, Magagnoli J, Edin B, Cummings T, VJB Dom Veterans Affairs Medical Center


169–Student Pharmacists’ Attitudes and Perceptions towards Physician-Assisted Suicide. Varenderajag R, Shenandoah University, Freeman R, University of Maryland


171–Comparison of Pharmacist E-Consult Service vs. Online Pharmacist Consult Service For Primary Care Medication Use and Safety. Warren E, Smith M, University of Connecticut

172–Identifying and Comparing PharmD Students’ Personality Traits. Welch A, Byrd D, East Tennessee State University, Bill Goettar, Karpen S, University of Georgia, Ivy J, University of Tennessee


174–Striving for Equity: Overview of Scholarships Availability for Minority Students Across Pharmacy Schools in the United States. Wang J, Kang K, Ly T, Kwon M, Western University of Health Sciences

175–Assessing the Current Landscape of Generic Availability for Orphan Drug Products Lacking Legal Barriers to Entry. Yeon B, Zhu C, Toscanni M, Barone J, Rutgers University, Giffing D, Food and Drug Administration

Geriatrics and Long-Term Care

176–Utilization of a Fall Risk Management Service To Evaluate High-Risk Medication Use in the Community Pharmacy Setting. Hughes H, Doucette W, Veach S, Wilty W, University of Iowa, McDonough R, Towneview Care

178–Older Adults’ Healthcare Decision-Making Preferences and Relationship with Medication Management. Noureddin M, Manchester University

179–Assessment of the Relationship Between Rheumatoid Arthritis, Physical Function, and Depression. Ranple K, Patel B, Sakhrkarp R, University of Pennsylvania

Health Disparities and Cultural Issues


184–Impact of Complementary Cultural Activities and Digital Badges on Pharmacy Students’ Intercultural Attitudes. Plake K, Bend J, Purdue University

Health Literacy


194–Phase 3 Randomized, Controlled Clinical Trial of Bicitravir Coformulated with FTC/TAF in a Fixed-Dose Combination (B/F/TAF vs. Deludovigr in Treatment-Naive HIV-1 Positive Adults: Week 96 Results. Martin H, Wei X, White K, Crijns S, Chen E, Gilead Sciences, Anitbis J, Hospital Universitario La Paz, Albebre H, University of South Carolina, Sax F, Harvard Medical School, Magpajo F, ASTP Papa Giovanni XXIII, Creticas C, Howard Brown Health Center, Markello C, The Research Institute

195–Medication Adherence Program in a Community Pharmacy: Impact on Patients Living with HIV. Miller J, Dangel M, Johns Hopkins Home Care Group

196–Pharmacist Collating with Interdisciplinary Team to Provide Pre-Exposure Prophylaxis (PrEP) for HIV at a Community Health Clinic. Nazare J, Carlson L, Northeastern University, Polskey K, Nguyen D, Walgreens Community Specialty Pharmacy, Ryan R, South End Community Health Clinic

197–A Phase 3b, Open-Label, Pilot Study to Evaluate Switching to Eltrevgravr/Cobicistat/Emtricitabine/ Tenofovir Alafenamide (E/C/T/TAF) in Virologically-Suppressed HIV-1 Infected Adults Subjecting Harboring the NRTI Resistance Mutation M184V and/or M184I. Perez-Valero I, Hospital U. La Paz - IDIPAZ, Llbre Cordero J, Fundacion Lucha contra el SIDA, Luzzan: A, Fundacion IRRCS San Raffaele del Monti Tabor, Di Perri G, Dipartmento di Malattie Infettive e Tropica, Pulido F, Unidad VIH, Hospital Universitario, Temme L, Gilead Sciences

198–B/F/TAF vs. ABC/DTG/3TC or DTG + F/TAF in Treatment-Naive Adults with High Baseline Viral Load or Low Baseline CD4 Count in 2 Phase 3 Randomized, Controlled Clinical Trials: Week 96 Results. Podzamczer D, Hospital Universitati de Belvitge, Stittbink H, ICH Study Center, Oline C, Royal London Hospital, Antris J, Hospital Universitari La Paz, Koenig E, Instituto Dominico Blum. G, Gilead


202–Efficacy and tolerability of Darunavir in Addition to Eltrevgravr/Cobicistat/Emtricitabine/Tenofovir. Wannagner I, Biskach E, Taylor J, Warfield C, Chen A, Smithmyer M, Debrodennet R, University of Maryland

203–Knowledge of Pre-Exposure Prophylaxis (PrEP) for HIV Prevention Among Inhabitants of Buea Health District, Southwestern Cameroon: A Cross-Sectional Study. Ware E, South University, Amoni J, Mardian Global University

204–A Phase 3, Randomized, Controlled Clinical Trial of Bicitravir in a Fixed-Dose Combination, B/F/TAF vs. ABC/DTG/3TC in Treatment-Naive Adults at Week 96. Waid D, University of North Carolina, Yasdanpanah Y, Hospital Bichat Claude Bernard, Baumgarten A, Zentrum för Infektiologie Berlin Prenzlauer Berg (ZIBP), Clarke A, Royal Sussex County Hospital, Haring D, Georgia Department of Public Health

205–Prevalence of Risk Factors for Weight Gain in Patients Living with HIV Infection who are Virologically-Suppressed on Antiretroviral Therapy and Switch to Integrate Inhibitor-Containing Regimens. Ginnemann M, Schroter J, Jefferson College

Immunizations

206–Focus Groups Using Video Technology to Gather Immunization Knowledge Among Military Members. Brown C, Rascati K, Moczygemba L, Neomil J, University of Kentucky


259–Development of a Community Pharmacy-Based Fall Prevention Toolkit. Renfro C., University of Tennessee Health Sciences Center

260–Factors Influencing Implementation of a Community Pharmacy-Based Fall Prevention Service. Robinson J., Feder E., Ferri N., University of North Carolina, Renfro C., University of Tennessee Health Sciences Center

261–Integrating a Pharmacy Technician Into Medication Therapy Management Workflow. Strehler A., Middendorf D., Lawrence D., Goodform Pharmacy

262–Financial Impact of Remote Medication Therapy Management: A Systematic Review. Smith V., University of Minnesota

263–Acceptance of Pharmacy Drug Therapy Recommendations after Medication Review in a Primary Care Setting. Szitko T., Adams E., Varadarajan R., Shenanabea University of North Carolina

264–Impact of a Pharmacist-Led Asthma Medication Intervention on Patient Outcomes and Healthcare Costs in Pediatric Medicaid Beneficiaries. Table W., Wingate L., Howard University

265–Reducing Prostate Pump Patient Usage for Gastroesophageal Reflux Disease Diagnosis. Tamms P., Medical University of South Carolina, Malcolm R., Worrell T., Ralph H., Johnson VA Medical Center

266–Evaluation of Pharmacy Technician Involvement in Clinical Service Delivery Within a Grocery-Based Community Pharmacy. Taylor B., Mihlot B., Ohio State University, Green J., Tjoer


268–Utilization of Comprehensive Medication Management (CMM) Tools and Health Registry Metrics to Guide Implementation of Consistent Delivery of CMM in Primary Care Clinics at an Academic Medical Center. Williams J., Fancher A., Koerner J., Cox S., Cochran K., University of Missouri

271–Public Awareness of Mental Health First Aid and Perception of Community Pharmacists as Mental Health First Aid Providers. Deter K., Ruscipn J., Welnor B., The University of Kansas, Graham E., Prohraska E., Balls Food Stores

272–Effects of Dental Health on Quality of Life. Hughes N., Edwards S., Roke Thomas M., Wilkes University


275–Impact of Mirtazapine Dosing on Sleep in a Primary Care Setting: A Retrospective Analysis. Lee S., Tatorson G., Massachusetts College of Pharmacy and Health Sciences, Sioka A., Lam deCunha A., Rogers A., Greater Lawrence Family Health Center

276–SAUDD MENTAL- Social Services Access for Latinos in Underrepresented Communities with Depression and Diabetes: Barriers to and Opportunities for Mental Health Care from Patient and Provider Perspectives. Ramon S., University of Texas


278–Mental Health Literacy and Treatment Perceptions Among Healthcare Students. Wu S., Maroney M., Patel K., Hu K., Rutgers University

Nuclear Pharmacy

279–Residual Blood, Mold, and Bacterial Contamination in Nuclear Pharmacy Lead Unit Dose Containers Following a Common Disinfection Method. Baldwin J., Granham V., Dolan G., Galbraith W., University of Oklahoma, Baldwin J., University of Oklahoma Health Science Center, Keith D., University of Oklahoma

280–Comparison of 99mTc-tetrofosmin Residual Activity in Becton Dickinson to Henry Schein Syringes. Byon J., Chu K., Dolan G., Galbraith W., University of Oklahoma, Baldwin J., University of Oklahoma Health Science Center


OQC, Self-Care, and CAM

282–Emergency Contraception Accessibility in Community Pharmacies of Smith County, Texas. Chapj J., Harmon K., Downs S., Cook E., University of Texas

283–Student Pharmacists’ Knowledge of Nonprescription Medication Brand Name Extensions: A Longitudinal Study. Duncan K., Seif N., Abel C., Cabarelle A., Lynch A., MCPHS University

284–Patient-Reported Outcomes from Clinical Efficacy Studies of Brimonidine Tartrate Ophthalmic Solution. 0.025% for Relief of Ocular Redness. Halpern L., Salmiippo C., DeCory H., Bausch and Lomb

285–Pharmacists’ and Fourth Year Pharmacy Students’ Intentions to Counsel on OTC Products and Knowledge of Counseling Patients Regarding Several OTC-Sensitive Common Conditions Including Acne Vulgaris, JOssok K., Schirnerbako A., Mattison M., Westem New England University

286–Consumers’ Information-Seeking Behaviors on Dietary Supplements. Nachters, Long Island University

Patient Experience

287–Opioid Prescribing Trends in Discharged Postpartum Patients at Local Medical Center. Erhlan J., Torborg A., Jalani J., University of Arizona


289–Negative Health Behaviors Contribute to the Development of Opioid Use Disorder. Green K., Butts C., Ikices J., University of Pittsburgh

290–Analyzing the Prescribing Trends of Opioids Within Tennessee with HB1831/SB2257 Amendment 011082 in a Rural Pharmacy Setting. Hangmsa N., Lipcomb University

291–The “Love” Hormone: Oxytocin as an Alternative to Opioid Therapy in Pain Management. Hormozian M., University of Southern California

292–“If You Break It, They Won’t Came”: Impact of Access Restriction on Use of Short-Acting Prescription Opioids in a US Health Plan. Scherbokova N., Western New England University, Tesoro G., Health New England


294–Effects of an Opioid Dispensing Policy on Facilitating Discussions Between Pharmacists and Patients. Tomkis K., Marricak M., University of North Carolina, Clifton C., Brannam A., Moose J., Moose Pharmacy, Rhodes I., Palm Beach Atlantic University and University of North Carolina


300–Identifying Factors Impacting Supermarket Customers’ Selection of Community Pharmacy and Awareness of Clinical Services Offered in a Grocery Pharmacy Chain. Hoorna R., Frantino M., Melissaen P., Albertsons Companies, Barres M, Temple University


302–Evaluation of Levothyroxine Therapy Related to Concurrent Selenium Consumption. Lagnad J., Jewel-Osco/Midwestern University, Malone C., Dimovski G., Jewel-Osco, Winkler S., Midwestern University, Hamper J., Albertsons Companies
CONTRIBUTED PAPERS


304–Consumer’s Satisfaction with, and Advocacy for, Their Community Pharmacies: Analysis of a U.S. Nationwide Survey. Parker T, Tak C, Feethan M, Munger M, University of Utah

305–Patient Knowledge and Experiences with Antibiotic Use and Delayed Antibiotic Prescribing in the Outpatient Setting. Sepeal M, Rusninger J, Melton B, University of Kansas, Proswaska T, Balls Foods Stores

306–Impact of Psychosocial/Focused Garden Program on Self-Efficacy in Patients with Type 2 Diabetes. Whitlock M, Lee S, University of Utah

307–Initial Use of the Home Medication Evaluation Questionnaire. Willsky M, Doucette W, Kennely K, Pham K, University of Iowa

Patient Care Services

308–The Effect and Return on Investment of a Social Media Campaign and Partnership with a Non-Profit on Flu Shot Growth. Alrashed A, Schrucks


310–Utilizing Pharmacy Technicians to Maximize Interventions with Home Health Service Patients. Riedl A, Mancini M, University of North Carolina, Ababa A, Holland C, Reado Discount Drugs, Rhodes L, Palm Beach Atlantic University and University of North Carolina


312–Improving Disease State Management Through Clinical Pharmacist Referal in a Federally-Qualified Health Center. Botromin J, McCarthy C, Rutgers University


315–Pharmacists Comfort Level in Prescribing Hormonal Contraceptives. Biskach E, David T, Freeman R, University of Maryland


319–A Description of Community Pharmacist-Provided Clinical Services in New Mexico and Barriers to Implementation. Coba C, Roy G, Mashal P, Anderson J, University of New Mexico, Gonzalez L, University of New Mexico Hospitals

320–Impact of Joint Community Pharmacy: Hospital Meds-to-Beds Discharge Program on Unplanned 30-day Readmission Rates. Delacruz A, Capehart K, Elswick B, West Virginia University, Shelton E, Emerick K, Kroger R


323–A Workflow Tool for Community Pharmacies to Help Improve Adherence Metrics. Dvant A, Flores I, Mustafa R, Mancini M, University of North Carolina, Rhodes L, Palm Beach Atlantic University

324–Assessing Patient Satisfaction with Comprehensive Patient Care Services in a Centralized Specialty Pharmacy. Fischer A, Kroon L, University of California, Strauss R, Hamper J, Hong J, Albertsons Companies


326–Impact of a Pharmacist-Provided Hypertension Coaching Program. Fabel P, Reeder G, Kennedy Pharmacy Innovation Center, DiPipa C, Palmetto Pharmacy Network, South Carolina Pharmacy Association, Lu K, University of California

327–Increase in Pharmacist-Led Clinical Services Following Implementation of a Tech-Check-Tech Program at a Community Pharmacy. Feetham B, Farrell M, Boscobel Pharmacy

328–Impact of Blood Pressure Management Interventions Made by Community Pharmacists. Hoetzl T, Lindemans R, Middlesex Family Health Center


332–An Evaluation of Pharmacist Interventions in an Enhanced Vaccine Workflow to Improve Patient Care in a Rural Independent Community Pharmacy. Keen S, Dalton E, South Carolina, Howell L, Richmond Hill Pharmacy


335–A Nationally Representative Examination of Preventative Service Use Across Patient-Centered Medical Home Status Among the Patients with Mental Illness. Kumar A, Farley J, University of Minnesota, Dimino M, Urick B, University of North Carolina

336–Process Improvement Processes of a Multi-Disciplinary Team at the Phoenix VA: Implementation of Pre-Surgery Game-Based Learning to Optimize Bariatric Surgery Education. Lee D, Leung A, Department of Veterans Affairs


343–Pharmacist-Provided Cardiovascular Risk Assessment Programs Impacts. Fabel P, Fabel K, University of North Carolina, Connelly L, Medicine Mart Pharmacy

344–Assessing the Impact of a Longitudinal IPP Rotation on AnticoagulantRelated Readmission Rates. Oliver E, Mccoy D, University of Missouri

345–Comprehensive Primary Headache Intervention Services at an Outpatient Pharmacy. OLFenmyer S, Dujic Kachlic M, Babul N, University of Illinois

346–Impact of Dispersing Services in an Independent Community Pharmacy. Phoebe L, Uni E, Roseman University of Health Sciences, Jolley B, Jayson’s Compounding Pharmacy

347–Impact of a Medication Adherence Packaging Service on Patient-Centered Outcomes at an Independent Community Pharmacy. Phoebe L, Coley K, University of Pittsburgh

348–Identifying Facilitators and Barriers to Developing and Implementing Patient Care Services in Community-Based Pharmacy Practice Settings. Porter B, Rodia J, Wolley M, Ohio State University

349–Screening Patients for Opioid Misuse and Accidental Overdose Within Community Pharmacies. Stay E, Ekurl H, Wiemeeyer A, Strand M, North Dakota State University, Steig J, Quality Health Associates of North Dakota

350–Patient Participation in Enhanced Patient Care Services in an Independent Community Pharmacy. Staton A, University of Arkansas for Medical Sciences, Actor K, Martin J, Bryant Family Pharmacy

351–The Implementation of an Appointment-Based Medication Synchronization Service at a Community Telepharmacy. Tann K, O'Connor S, Idaho State University

352–The Effect of a Community-Based Pharmacist Driven Disease Management Program on Clinical Outcomes. Vaughan V, Mancini M, University of North Carolina, Michaels N, Jackson D, Sona Pharmacy and Clinic, Rhodes J, Palm Beach Atlantic University and University of North Carolina

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Public Health

404–Nationwide Analysis of PharmD Students’ Top Post-Graduate Career Preferences by Region and Year of Graduation. Skennyon C, Benzel N, Douglass M, Northeastern University


Quality and Safety

421–Impact of Naloxone Standing Orders on the Availability and Accessibility of Naloxone in Massachusetts Retail Pharmacies. Wu C, Northeastern University; Moreno J, Beaumont Medical Group


Quality and Safety

423–Standardization of Ferrous Sulfate Doses in Pediatric Patients. Bloshi S, Kucik N, Rainbow Babies and Children’s Hospital

424–Drug Interaction Alert Analysis. Bock B, Camimella M, Urane M, University of Arizona, Buckley M, Berry A, Banner University Medical Center

425–Quality Improvement on Two Clinical Components in an Ambulatory Care Center. Chun H, Laguna A, Jacobs M, Northeastern University

426–Pharmacy-Driven Antibiotic Stewardship Quality Improvement Project. D’Amico C, Pett R, Yakama Indian Health Center

427–Evaluating the Impact of Updated Dosing Guidance for Phosphate Enemas at Consolidated Mail Outpatient Pharmacy. Davia A, Singerman C, Sierra V, Sutherland M, Department of Veterans Affairs

428–Meta-Analysis: Efficacy and Safety of Combination Pharmacological Treatments for Obesity. de la Peña E, Qui T, Nyansani E, Dobson M, Bhui K, Loma Linda University

429–“Disconnected” - A Stakeholder Analysis to Inform More Safe and Effective Use of Natural Products Among Pharmacy Patrons. Desselut S, Sifni M, Hoh R, Saited M, Touro University California, Urg C, University of Macau, Hannet J, University of Sydney

430–A Comparison of Patient Encounters Prior to and After an OTC Safety Intervention in a Community Pharmacy Setting. Bryan B, Xiong K, Stone J, Chui M, University of Wisconsin


432–An Investigation of Medication Indications Included on Outpatient Prescriptions at an Academic Medical Center. Lester C, Marshall V, Ding Y, University of Michigan

433–The Status of Patient Safety Legislation for Community Pharmacies in Canada. MacKinnon N, University of Cincinnati, Cook R, Saint Mary’s University, Barker J, Dalhousie University

434–Quality-Related Events Reported by Community Pharmacies in Nova Scotia: A Seven-Year Analysis. MacKinnon N, University of Cincinnati, Boucher A, Ho C, ISVIP Canada, Barker J, Dalhousie University, Bishop A, National Society of Compliance Professionals, Boyle T, St Francis Xavier University


437–Utilizing a PY4 Specialty Rotation to Increase Patient Education Regarding ARIRisk Medications for Adverse Drug Events. Patton S, Alvar J, Washington State University


439–Benefit of Patient/Caregiver Reporting Compared to Other Sources of Reporting in the Inpatient Setting: A Systematic Review. Prolakast D, Wong A, Kane-Gill S, University of Pittsburgh

440–Patient Safety Surveillance Initiative to Identify Prescriptions Transmitted to Consolidated Mail Outpatient Pharmacy for Methadone with Jupiter L, Bradley Q, Skewes V, Singerman C, Tate J, Dazu A, Tsang V, Sutherland M, Department of Veterans Affairs

441–Analyzing the Effect of Pharmacist Intervention on Opioid-Adverse Drug Event Rates. Smith A, Smith M, University of Arkansas for Medical Sciences, Scott N, Harps Food Stores

442–Advancing Community Pharmacy Quality: A Wisconsin Statewide Pharmacy Final Product Verification Study. Valentine Broner V, Lemone N, Concordia University Wisconsin, Martin E, Suram S, Pharmacy Society of Wisconsin, Endreski M, Drake University

443–Identifying Risk for Adverse Drug Reactions for Home-Based Infusion Pharmacy Services Within an Integrated Health Center. Wessman J, Johns Hopkins Home Care Group


445–Impact of a Pharmacist on Quality Measures that Affect Physician Payment: Experiences from Integration in a Primary Care Clinic. Yon K, Marciniak M, University of North Carolina, Yon K, University and University of North Carolina

Reimbursement

446–Stakeholder Views of Pharmacist Payment Approaches. Hetzel J, Doucette W, University of Iowa

Respiratory Care

447–Assessing the Correlation of Community Oral Care Habits in Patients with Tracheostomies and Respiratory Infections. Brown A, Durkin K, Lucas E, Nationwide Children’s Hospital

448–Evaluation of Asthma Medication Use as it Relates to Asthma Control in a Multi-Hospital Community Health System-Sponsored Medication Assistance Program. Go G, Patel S, Buzenovski M, Hankenwyk K, Zook T, NorthShore University HealthSystem


Specialty Pharmacy, Substance Abuse, and Addictions

APhA Contributed Papers Program


453–Pharmacy-Opioid Treatment Center Dyads to Distribute Naloxone in Massachusetts and Rhode Island. Dianne A, Brothers E J, University of Rhode Island

454–Implementation and Evaluation of a Pharmacy-Based Telehealth Protocol for Medication-Assisted Treatment in Opioid Addiction at a Federally-Qualified Health Center. Engellhart T, Kinsky D, Northeast Ohio Medical University, Aawd M, AvesPointe Community Health Centers


460–Implementation of a Video Consultation Service at a Specialty Pharmacy. Last S, University of New England


464–Can Pharmacists Bridge the Naloxone Gap? Perera T, McKim vman K, Bennett T, Washington State University


466–Collection and Analysis of Impressions of Audio-Assisted Prescription Cop for Opioid Safety and Naloxone. Sroche E, Braberg J, University of Rhode Island


468–Specialty Pharmacy Clinical Productivity Metric Development and Implementation. Schneider T, Wascher M, Canfield S, Johns Hopkins Home Care Group

469–Assistance with Injectable Medications: Implementation of a Pharmacist-Run Specialty Pharmacy Injection Clinic During Post Discharge. Buken K, Cruse D, Medical University of South Carolina


472–Comparative Review of Study Pharmacists’ Perceived Competence and Knowledge in Conducting SBIRT. Woychik E, Shao L, University of Pittsburgh


Technology


476–Establishing Effective Methods to Decrease Rate of Expired Medications Found in Automated Dispensing Cabinets Within an Academic Medical Center. Nannan A, Rana T, University of North Carolina


478–Use of a Fitness Device as Part of a Diabetes Education Program for Patients with Type 2 Diabetes (A Pilot Study). Perkins S, Trotta K, Mills B, Campbell University

479–Web Presence and Services Offered by Independent Pharmacies in Massachusetts. Shcherbakova N, Kwarterg S, Olbire F, Western New England University


Transitions of Care

481–Community-Based Pharmacists’ Transitions of Care Interventions in a Primary Care Clinic. Brown H, Divine H, Kebozdace C, University of Kentucky, Itzay A, Roberts P, Kroger Pharmacy


484–Impact of Pharmacist Intervention in the Transition of Care of Ticagrelor Therapy in Patients with Acute Coronary Syndrome. Hooper E, Ferris State University, Roe B, Beeti C, Meier, Detzer B, Pfzer

485–Impact of a Pharmacist-Provided Transitions of Care Service on Medication-Related Problems and Readmission Rates at an Employer-Based Health Center. Knercon IA, Fabel P, University of South Carolina


487–Implementation and Evaluation of a Pharmacy-Driven Transitions of Care Program for Patients Discharged from the Emergency Department. Leonenheim K, Bryant G, Koenigsfield C, Drake University,icky M, Saint Joseph Hospital, Hering M, Smith H, University of Iowa

488–Impact of a Transitions of Care Service in a Community-Based Pharmacy. Pham T, Hay A, Pfandt T, Fred Meyer, Aker, Washigton State University

489–The Effect of a “Meds-to-Bed” and Post-Discharge Telephonic Follow Up on 30 Day Readmission Rates and Patient Experience During Care Transitions in a Tertiary Care Hospital. Pham T, Taban P, Dang R, University of Southern California


492–Inpatient and Community Pharmacy Collaborate to Improve Discharge Medications Pick-up and Adherence for Seamless Care. Sandin N, Palm Beach Atlantic University


494–Communication Errors During Medication Reconciliation Prior to Discharge. Thomas J, Patterson M, University of Missouri

495–Assessment of Apixaban Prescribing in Home Health Care Patients with Nonvalvular Atrial Fibrillation. Vuemick E, University of Connecticut, Lemay V, University of Rhode Island

496–Assessment of Intraprofessional Communication Between Inpatient and Outpatient Pharmacists During Transitions of Care. Wooster J, Shaor A, University of Texas, Bethisou L, Chapman University, Lippola A, Overlook Medical Center, Mansukhani R, Rutgangers University, Germann S, University of Connecticut

Workforce and Manpower


499–Creation and Integration of a New Certified Pharmacy Technician Position in a Busy Rural Primary Care Setting. Prevento C, Solo L, Sun Life Family Health Center
500–Retail Clinics & Pharmacies: A Delphi Study of Pharmacist Impacts and Recommendations for Optimization. Olson A, Schorrner J, Garther C, University of Minnesota, Mott D, University of Wisconsin, Knapp K, Touro University, Doucette W, University of Iowa


502–Patient Outcomes From Implementing an Enhanced Services Network in North Carolina Community Pharmacies. Urick B, University of North Carolina, Farley J, University of Minnesota

503–Testing a Pharmacist Occupational Fatigue Survey. Watterson T, Look K, Chui M, University of Wisconsin


505–Pharmacists’ Role Conflict: Who Will Give Patients the Information They Want About Their Opioids? Thakur T, Chewning B, University of Wisconsin


507–New-Onset Persistent Opioid Use Among Older Adult Breast Cancer Survivors. Roberts A, University of Kansas, Fergestrom N, Wrin A, Neuner J, Medical College of Wisconsin

508–Community Pharmacists’ Perceptions of Their Role in the Opioid Epidemic. Teeter B, Curran G, Martin B, University of Arkansas for Medical Sciences

509–Patient Preferences for Features of Community-Based Fall Prevention Programs: A Systematic Literature Review and Qualitative Meta-Synthesis. Holmberg N, Qian J, Westrick S, Graza K, Hunt C, Auburn University, Hincapie A, University of Cincinnati

510–An Educational Strategy to Improve Adolescents’ Knowledge of Prescription Medications. King S, Bugg S, Mattox C, Union University, King E, West Tennessee Healthcare

511–Immunization Registry Implementation in Community Pharmacy: A Qualitative Study Using the Consolidated Framework for Implementation Research. Pranam Y, Mandal T, Banatian L, Morris T, Xavier University of Louisiana

512–Physicochemical Stability of Compounded Naltrexone Hydrochloride Solutions in PCCA Base, SuspendITM. Pranam Y, Mandal T, Banatian L, Morris T, Xavier University of Louisiana

513–Association of Tenofovir Disoproxil Fumarate Exposure with Osteoporotic Fracture in US Veterans with HIV. Sutton S, University of South Carolina, Magagnoli J, Cummings T, Department of Veterans Affairs