Comprehensive Medication Management: Landmark Study’s Findings and Future Directions

ACCP and the ACCP Foundation funded the Comprehensive Medication Management (CMM) in Primary Care Study, a multi-year effort launched in 2016. Drs. Mary Roth McClurg and Todd Sorensen, primary investigators from the study’s research team, presented results and current applications during the 2020 Annual Meeting Town Hall. An executive summary and list of study deliverables have been released and are available for download.

CMM is a patient-centered approach to optimizing medication use and improving health outcomes that is delivered by a clinical pharmacist working in collaboration with the patient and other health care providers. Pockets of strong evidence to support the positive impact of CMM on patient outcomes, health care costs, and patient and clinician experience exist. However, lack of fidelity in the implementation, magnitude, and precision of CMM can result in inconsistent clinical impact. Therefore, the overarching goal of the CMM in Primary Care Study was to establish the necessary foundations to enable the replication and scale of CMM services in primary care. The study had two general areas of focus: (1) implementation – studying how to effectively and efficiently implement CMM with fidelity and (2) impact – measuring the impact of CMM on clinical and economic outcomes.

The implementation arm of the study established a shared philosophy of practice for CMM, explicitly defined and operationalized the intervention, and framed the core foundational elements of managing CMM practice in primary care. The study team identified and engaged with 35 mature CMM practices with embedded clinical pharmacists across the country to identify best practices and achieve these aims. In July 2018, The Patient Care Process for Delivering CMM was released. This seminal publication explicitly defined CMM as an intervention and clearly articulated CMM’s philosophy of practice, five essential functions, operational definitions, and a process for practitioner assessment of fidelity. Establishing a clear definition of CMM as an intervention served as a critical foundation to ensure a standardized approach to medication optimization in team-based care.

This work has produced numerous publications that detail CMM fidelity assessment, the philosophy of practice for CMM, and practice management assessment. A comprehensive list of the study’s deliverables to date can be found here. An interactive website scheduled for release in 2021 will serve as the culmination of the implementation work and will include a stepwise system designed to facilitate initial CMM service development, initiation, and evaluation as well as ongoing service improvement for mature CMM practices. The system will include important guidance resources as well as two dynamic tools: one for assessing fidelity to the CMM patient care process and another for assessing practice management supports. These tools will allow users to input information and obtain reports on their own practices.

A secondary goal of the study was to evaluate the impact of CMM on all components of the Quadruple Aim: clinical quality metrics, health care costs, the patient experience, and the clinician experience. These evaluations were limited by the retrospective design required for the implementation arm of the study. Compared with both internal and external controls, the CMM intervention demonstrated a significant positive impact on clinical quality metrics, including evidence-based prescribing for heart failure, diabetes, and cardiovascular disease. Because of the study’s lack of access to claims data, the study team was unable to complete a robust evaluation of the impact of CMM on costs, though decision analytic modeling supported an overall reduction in cost. CMM positively affected both the patient experience and the clinician experience. Patient responses indicated a high degree of satisfaction, value, and trust associated with CMM. Primary care providers (PCPs) identified the clinical pharmacist’s provision of CMM as a collaborative partner with an added skill set. A positive relationship between CMM and PCP stressors and
burnout was observed and attributed to multiple factors, including decreased workload, decreased mental exhaustion, enhanced professional learning, and increased patient access. The findings of the impact arm of the study confirmed the results observed in smaller studies and added strength to prior findings due to the number of clinics and diversity of organizations and practitioners represented. Overall, the study adds substantial evidence supporting the value proposition for practitioners represented. The findings of the impact arm will substantially enhance the College’s future advocacy efforts with policy makers, other health professionals, and payers.”

References

Reed, Duprey, and Monzel Receive Best Poster Honors

ACCP is pleased to announce the winners of the Best Poster awards from the 2020 ACCP Annual Meeting. In all, more than 500 posters were presented virtually at the Annual Meeting. Papers described original research, innovative clinical pharmacy services and programs, case reports, systematic reviews/meta-analyses, and student, resident, and fellow research-in-progress abstracts.

Brent Reed from the Department of Pharmacy
Practice and Science at the University of Maryland School of Pharmacy in Baltimore, Maryland, won the Best Poster Award for his paper titled “Personality: A Potentially Untapped Resource in the Selection of Pharmacy Residents.” Reed’s coauthors were Stormi E. Gale, also from the University of Maryland School of Pharmacy, and Ashley Martinelli, Asha Tata, Tracy Sparkes, Carla Williams, Siu Yan Yeung, and Michael Armahizer from the University of Maryland Medical Center.

The other finalists in the Best Poster competition were Sara Jordan from Grant Medical Center (OhioHealth) in Columbus, Ohio; Brianna M. McQuade from the University of Illinois at Chicago College of Pharmacy in Chicago, Illinois; and Neha Sheth Pandit from the University of Maryland School of Pharmacy in Baltimore, Maryland. Jordan’s presentation was titled “Antimicrobial Stewardship in Major Elective Orthopedic Surgery: Final Program Results.” Jordan’s coauthors were Abigail Benecke, Lauren Lopez, Brian Kramer, Rodney Kusumi, Robert Fada, and Michelle Lucki from Grant Medical Center (OhioHealth); and Killian Rodgers from The Ohio State University College of Pharmacy in Columbus, Ohio. McQuade presented “Do You Mind? A Mindfulness Practice Curriculum for the Pharmacy Workforce.” McQuade’s coauthor was Jennie B. Jarrett, also from the University of Illinois at Chicago College of Pharmacy. Pandit presented “Statin Dose Appropriateness in Patients Living with HIV Compared to Uninfected Patients.” Pandit’s coauthors were Kathleen Pincus, Samuel Suen, Sandeep Devabhakthuni, Stormi E. Gale, and Zachary Noel, also from the University of Maryland School of Pharmacy; and Alison Blackman from Boston Medical Center in Boston, Massachusetts.

Matthew Duprey, a critical care pharmacy research fellow and population health Ph.D. student at Northeastern University in Boston, Massachusetts, won the Best Resident or Fellow Poster Award for “Association Between Opioid Use and Daily Delirium Risk in Critically Ill Adults.” Duprey’s coauthors were Becky Briesacher, Jane Saczynski, John Griffith, and John Devlin, also from Northeastern University; and Sandra Dijkstra-Kersten, Irene Zaal, and Arjen Slooter from the University Medical Center-Utrecht in Utrecht, Netherlands.

The other finalists in the Best Resident or Fellow Poster competition were Niki Krancevich, a pharmacy resident from Mercy Health Saint Mary’s in Grand Rapids, Michigan; Alina Kukin, a PGY2 cardiology pharmacy resident at the University of Maryland School of Pharmacy in Baltimore, Maryland; and Cameron Thomas, a PARADIGM postdoctoral research fellow at the University of Florida College of Pharmacy in Gainesville, Florida. Krancevich presented “Impact of Opioid Administration in the Intensive Care Unit and Subsequent Use on Opioid-Naive Patients.” Krancevich’s coauthors were Julie Belfer, also from Mercy Health Saint Mary’s; and Kyle Schmidt from Ferris State University College of Pharmacy in Big Rapids, Michigan. Kukin presented “Effect of Video-Assisted Counseling versus Traditional Counseling on Patient Comprehension of Prescribed Direct Oral Anticoagulants.” Kukin’s coauthors were Stormi E. Gale, Brent N. Reed, Sandeep Devabhakthuni, Kristin Watson, and Zachary Noel, also from the University of Maryland School of Pharmacy.
Thomas presented “Cardiovascular Outcomes According to Clinical Presentation with CYP2C19-Genotype Guided Antiplatelet Therapy in Patients Undergoing PCI: A Multi-site Investigation in Real-World Settings.” Thomas’s coauthors were Philip E. Empey and James C. Coons from the University of Pittsburgh in Pittsburgh, Pennsylvania; Amber L. Beitelshees from the University of Maryland School of Pharmacy in Baltimore, Maryland; Sony Tuteja from the Perelman School of Medicine at the University of Pennsylvania in Philadelphia, Pennsylvania; Dominick J. Angiolillo and Francesco Franchi from the University of Florida in Jacksonville, Florida; Nita A. Limdi and Chrisly Dillon from the University of Alabama at Birmingham in Birmingham, Alabama; James C. Lee from the University of Illinois at Chicago College of Pharmacy in Chicago, Illinois; Julio D. Duarte, Yiqing Chen, Yan Gong, Caitrin W. McDonough, Julie A. Johnson, and Larisa H. Cavallari, also from the University of Florida College of Pharmacy in Gainesville, Florida; Todd C. Skaar from Indiana University School of Medicine in Indianapolis, Indiana; Rolf P. Kreutz from Indiana University in Indianapolis, Indiana; George A. Stouffer from the University of North Carolina in Chapel Hill, North Carolina; and Craig R. Lee from the UNC Eshelman School of Pharmacy in Chapel Hill, North Carolina.

Claire Monzel from Drake University College of Pharmacy and Health Sciences in Des Moines, Iowa, won the Best Student Poster Award for “Gabapentin Hits a Nerve with Opioid Use in Rib Fracture Patients.” Monzel’s coauthors were Darla Eastman, also from Drake University College of Pharmacy and Health Sciences; Sarah Spilman from Iowa Methodist Medical Center in Des Moines, Iowa; and Carlos Pelaez from The Iowa Clinic in Des Moines, Iowa.

The other student finalists in the Best Student Poster competition were Asia Johnson from the University of South Carolina College of Pharmacy in Columbia, South Carolina; Angela Li from Skaggs School of Pharmacy and Pharmaceutical Sciences at the University of Colorado in Aurora, Colorado; and Bethany Taylor from Philadelphia College of Osteopathic Medicine School of Pharmacy in Suwanee, Georgia. Johnson presented “From Start to Finish: Examining Factors Associated with Higher Likelihood of Publication Among Abstracts Presented at Infectious Diseases Scientific Meetings.” Johnson’s coauthors were Colin Hungerpiller, Chengwen Teng, and P. Brandon Bookstaver, also from the University of South Carolina College of Pharmacy; and Lily Zheng, Morgan Easterling, and Christopher Bland from the University of Georgia College of Pharmacy in Savannah, Georgia. Li presented “Evaluation of the Utilization of SGLT-2 Inhibitors in Patients with Type 2 Diabetes and Established ASCVD in the Primary Care Setting.” Li’s coauthors were Jennifer Trujillo and Rachel Lowe, also from the University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences. Taylor presented “Lifting COVID-19 Shelter-in-Place Restrictions: Impact on Heart Failure Hospitalizations in Northeast Georgia.” Taylor’s coauthors were Hua Ling, also from Philadelphia College of Osteopathic Medicine School of Pharmacy; Marat Fudim from Duke University Medical Center in Durham, North Carolina; and Ugochukwu Egolum from The Heart Center of Northeast Georgia Medical Center in Gainesville, Georgia.

Each winner will receive a plaque. Serving as judges for the Best Poster competition were Brad Boucher, Robert Page, Sarah Petite, Jennifer Phillips, and Michael Ujhelyi. Judges for the Best Resident or Fellow Poster competition were Marianne Churchwell, Zach Smith, and Jodi Taylor. Serving as judges for the Best Student Poster competition were John Cleary, Miki Goldwire, Anne Hume, Cherry Jackson, and Andrew Meisner.

Access to ACCP Annual Meeting Educational Content Available for Purchase

ACCP is offering the 2020 ACCP Annual Meeting educational content for purchase from now until December 31, 2020, at https://member.accp.com/ACCPMember/Sign_In.aspx?WebsiteKey=b95afc39-71b0-4a26-a2a5-20534ca16fdd&LoginRedirect=true&returnurl=%2fACCPMember%2fEvents%2fPreRegRedirect.aspx. This content, which will be available online after purchase from now until January 31, 2021, offers 100+ hours of programming across a diverse set of topics. These topics include therapeutic controversies facing clinical pharmacists on a day-to-day basis and how best to advance clinical pharmacy in today’s rapidly changing health care environment. Specifically, the following programming is included:

- 25 PRN Focus Sessions
- 13 Educational Sessions developed by the 2020 ACCP Annual Meeting Programming Committee
- Recertification programming in Ambulatory Care Pharmacy, Critical Care Pharmacy, Geriatrics Pharmacy, Oncology Pharmacy, and Pharmacotherapy*
- Student programming
- ACCP Academy programming
- And then:
  - 6.5 hours of Pain Management CPE
  - 1.5 hours of AIDS Therapy CPE
  - 5.5 hours of Law Related to Pharmacy Practice CPE
- Plus much, much more...

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To learn more about the specific content offered at the virtual 2020 ACCP Annual Meeting, including the learning objectives, speakers, and number of contact hours available with each program, visit www.accp.com/meetings/am20/schedule.aspx?mode=viewfullschedule.

Don’t miss this opportunity to learn at your own pace. Obtain access to the 2020 ACCP Annual Meeting programming for only $349 for ACCP members. Purchase today.

Note: ACCP collaborates with ASHP on Ambulatory Care, Geriatrics, and Oncology recertification programs.

*An additional posttest fee is required for participants seeking to earn recertification credit.

Virginia Commonwealth University School of Pharmacy Wins 2020 ACCP Outstanding Student Chapter Award

The Outstanding Student Chapter Award recognizes the ACCP student chapter that has best exemplified strength in leadership, dedication in patient care, and passion for professional development through its activities and membership. The winning chapter’s activities should address ACCP’s core values of extending the frontiers of clinical pharmacy and promoting dedication to excellence in patient care, research, and education. A key component of ACCP’s core values is the clinical pharmacist’s ability to work collaboratively within the health care environment. Each chapter must demonstrate its ability to work with other health disciplines.

Please join ACCP in congratulating this year’s Outstanding Student Chapter Award–winning institution, Virginia Commonwealth University School of Pharmacy. The chapter, which was recognized during the 2020 ACCP Annual Meeting Awards and Recognition Ceremony, will receive a commemorative plaque and a $1000 cash award.

Recertification Credit Opportunities Available for Home Study

Did you miss the opportunity to join the virtual 2020 ACCP Annual Meeting? If you still need recertification opportunities, look no further! Many of the live programs are now being offered for home study. There are options to earn up to 4.0 hours of BCOP recertification credit, up to 6.0 hours of BCACP recertification credit, up to 5.0 hours of BCGP recertification credit, up to 6.0 hours of BCCCP recertification credit, and up to 12 hours of BCPS recertification credit.

Clinical Reasoning Series

The following Clinical Reasoning Series home study packages are available for purchase now. The deadline to submit posttests for these sessions is May 15, 2021.

- Clinical Reasoning Series in Pharmacotherapy – “Infectious Disease Updates: Challenging the Past and Changing the Future” is available for up to 6.0 hours of BCPS recertification credit.
- Clinical Reasoning Series in Critical Care Pharmacy – “Just Say No: Pharmacotherapy Stewardship within the Hospital” is available for up to 6.0 hours of BCPS and/or BCCCP recertification credit.

Clinical Sessions

The following Clinical Sessions home study packages will be available for purchase on December 16, 2020, at www.accp.com/store. The deadline to submit posttests for these sessions is December 14, 2021. ACCP developed these programs in collaboration with the American Society of Health-System Pharmacists.

- BCACP Clinical Session – “The Weight of the World: Obesity Strategies and Controversies” will be available for up to 2.0 hours of BCACP recertification credit.
- BCACP and BCGP Clinical Session – “Managing Menopause: A ‘Hot’ Topic” will be available for up to 1.0 hour of BCACP and/or BCGP recertification credit.
- BCACP and BCGP Clinical Session – “Not So FAST: Engaging in SLOW Decision Making for Secondary Stroke Prevention” will be available for up to 1.5 hours of BCACP and/or BCGP recertification credit.
- BCGP Clinical Session – “Managing Sepsis in the Older Adult” will be available for up to 1.0 hour of
BCGP recertification credit.

■ BCACP and BCGP Clinical Session – “An Unforgettable Session: The Pharmacist’s Role in Mild Cognitive Impairment” will be available for up to 1.5 hours of BCACP and/or BCGP recertification credit.

■ BCP Clinical Session – “Oncology Supportive Care: Navigating the Expanding Realm of Oral Small Molecule Inhibitors” will be available for up to 2.0 hours of BCP recertification credit.

■ BCOP Clinical Session – “Why Am I Only Offering Oncology Pain Patients Opioids? Is There Anything Else, Anything at All?” will be available for up to 2.0 hours of BCOP recertification credit.

Although these recertification packages will be available for purchase independently, you may wish to purchase the full lineup of educational content from the virtual 2020 ACCP Annual Meeting. Read “Access to ACCP Annual Meeting Educational Content Available for Purchase” in this edition of the ACCP Report to learn more about your options.

2021 Investigator Development Programs Announced

Work shoulder-to-shoulder with a team of experienced mentors guiding you through your first research project or skillful fine-tuning of a major grant submission/resubmission.

The next cohort of MeRIT and FIT investigators will gather June 21–25, 2021, on the campus of the University of Kentucky College of Pharmacy in Lexington, Kentucky. Application information for both programs is available at www.accpfoundation.org/investigator/. Letters of intent to apply are due February 28, and applications are due March 31, 2021. Accepted applicants from the 2020 investigator training programs that were canceled because of COVID-19 should contact Sheldon Holstad (sholstad@accp.com) if they wish to reapply for 2021.

Mentored Research Investigator Training (MeRIT)

MeRIT is designed to help pharmacists develop the abilities necessary to conduct investigator-initiated research, either independently as a principal investigator or collaboratively as an active coinvestigator within a research team. Ideal candidates are pharmacy practitioners or faculty with limited research experience who are:

■ Committed to incorporating research into their professional careers,

■ Interested in generating research themes or obtaining preliminary data for larger funding opportunities,

■ Aspiring to be active principal investigators or coinvestigators within a research team, and

■ Able to commit at least 10% effort to research.

Focused Investigator Training (FIT)

FIT is a 5-day, intensive, hands-on program to help investigators succeed in the current research funding environment. Each experienced investigator-participant takes the necessary steps toward maximizing the competitiveness of a K, RO1, or similar investigator-initiated application for submission to the NIH or other major funding source. Investigators are challenged to carefully examine research aims and explore individual professional research goals and, by the end of the program, will have taken critical steps toward fine-tuning their applications to meet study section reviewers’ expectations. The program’s experienced and funded faculty mentors deliver a curriculum that offers:

■ Small-group proposal development sessions,

■ Tip-rich discussions,

■ One-on-one mentor/statistician appointments, and

■ Protected time for proposal development and revision.

The ideal FIT applicant is a tenure-track or research-focused pharmacist in the final stages of preparing a grant application for submission/resubmission.

Baker to Serve as New ACCP Foundation Chair

William L. Baker, Pharm.D., FCCP, FACC, FAHA, was selected by the Board of Trustees to serve as the 2021 ACCP Foundation chair. He was elected to the board in 2018 for a 3-year term and assumed the chair position on October 29, 2020. Baker is an associate professor within the Department of Pharmacy Practice at the University of Connecticut (UConn) School of Pharmacy.
Call for Nominations

All nomination materials, including letters, curricula vitae or resumes, and other supporting documents, can be submitted online to ACCP. The online nominations portal specifies the nominating materials required for each award, honor, and elective office. This portal is available at www.accp.com/membership/nominations.aspx.

DEADLINES:

Due November 30, 2020 – Nominations for the fall 2021 awards (Robert M. Elenbaas Service, C. Edwin Webb Professional Advocacy, Russell R. Miller, Clinical Practice, and Education awards), the 2022 Therapeutic Frontiers Lecture, and the 2022 elected offices.

Due February 1, 2021 – Nominees’ supporting documents must be uploaded in the nomination portal for the fall 2021 awards (Robert M. Elenbaas Service, C. Edwin Webb Professional Advocacy, Russell R. Miller, Clinical Practice, and Education awards), the 2022 Therapeutic Frontiers Lecture, and the 2022 elected offices.

Due February 15, 2021 – Nominations for the 2021 Parker Medal, the 2021 “new” awards (New Investigator, New Clinical Practitioner, and New Educator), and the 2020 ACCP Fellows (FCCPs).

Due April 1, 2021 – Nominees’ supporting documents must be uploaded in the nomination portal for the 2021 Parker Medal and the 2021 “new” awards (New Investigator, New Clinical Practitioner, and New Educator).

DESCRIPTIONS:

2022 Officers and Regents: President-Elect, Regents, Treasurer, and ACCP Foundation Trustees. Nominees must be Full Members of ACCP and should have (1) achieved excellence in clinical pharmacy practice, research, or education; (2) demonstrated leadership capabilities; and (3) made prior contributions to ACCP. Current members of the Nominations Committee are ineligible. Please note that any qualifying Full Member may nominate himself or herself for office. Nomination deadline: November 30, 2020.

2021 ACCP Fellows: Fellowship is awarded in recognition of continued excellence in clinical pharmacy practice or research. Nominees must have been Full Members of ACCP for at least 5 years, must have been in practice for at least 10 years since receipt of their highest professional pharmacy degree, and must have made a sustained contribution to ACCP through activities such as presentation at College meetings; service to ACCP committees, PRNs, chapters, or publications; or election as an officer. Candidates must be nominated by any two Full Members other than the nominee, by any Fellow, or by any member of the Board of Regents. Current members of the Board of Regents, Foundation Board of Trustees, Pharmacotherapy Publications (PPI) Board of Directors, Credentials: Fellowship Committee, or ACCP staff are ineligible for consideration. Nomination deadline: February 15, 2021.

2021 Paul F. Parker Medal for Distinguished Service to the Profession of Pharmacy: Recognizes an individual who has made outstanding and sustained contributions to improving or expanding the profession of pharmacy in an area of professional service – including, but not limited to, patient care, leadership, administration, finance, technology, information processing, service delivery, models of care, and advocacy. The award is not limited to pharmacists or ACCP members. Nominations must consist of a letter detailing the nominee’s qualifications for this award and his or her contributions to the profession of pharmacy; the nominee’s curriculum vitae, resume, or biographical sketch as available; and a minimum of three letters of recommendation. At least one of these letters must be from an individual outside the nominee’s current practice locale. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Parker Medal Selection Committee, or ACCP staff are ineligible. Nomination deadline: February 15, 2021.

Robert M. Elenbaas Service Award: Given only when a particularly noteworthy candidate is identified in recognition of outstanding contributions to the vitality of ACCP or to the advancement of its goals that are well above and beyond the usual devotion of resources, be it time, energy, material goods, or a combination thereof. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for the award and his or her contributions to the College, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: November 30, 2020.
C. Edwin Webb Professional Advocacy Award: Recognizes an ACCP member who has demonstrated excellence in the classroom or clinical training site, conducted innovative research in clinical pharmacy education, demonstrated exceptional dedication to continuing education programs, or demonstrated leadership in the development of education programs. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and his or her contributions to health professional education, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: November 30, 2020.

2021 Clinical Practice Award: Recognizes an ACCP member who has developed an innovative clinical pharmacy service, provided innovative documentation of the impact of clinical pharmacy services, provided leadership in developing cost-effective clinical pharmacy services, or shown sustained excellence in providing clinical pharmacy services. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and his or her contributions to clinical pharmacy practice, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: November 30, 2020.

2021 Education Award: Recognizes an ACCP member who has demonstrated excellence in the classroom or clinical training site, conducted innovative research in clinical pharmacy education, demonstrated exceptional dedication to continuing education programs, or demonstrated leadership in the development of education programs. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and his or her contributions to health professional education, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: November 30, 2020.

2021 New Investigator Award: This award highlights the research program of an ACCP member who has made a major impact on an aspect of clinical pharmaceutical science. Nominees must have been a Full Member of ACCP at the time of nomination and a member at any level for at least 3 years; they must have a research program with a significant impact on clinical pharmacy practice and/or research. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and his or her contributions to clinical pharmacy practice, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: November 30, 2020.
publication record having a programmatic theme or an especially noteworthy single publication; and it must have been within 6 years since completion of their terminal professional pharmacy training or degree, whichever is most recent. If an individual pursues an additional degree beyond his or her professional pharmacy degree or training (i.e., Ph.D.), this additional degree will not be considered a terminal degree, and the 6-year time interval will extend from completion of the terminal pharmacy training or degree. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and the significance/impact of his or her clinical contributions, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: February 15, 2021.

2021 New Clinical Practitioner Award: This award recognizes a new clinical practitioner who has made outstanding contributions to the health of patients and/or the practice of clinical pharmacy. Nominees must have been Full Members of ACCP at the time of nomination and members at any level for at least 3 years. In addition, nominees must have completed their terminal professional pharmacy training or degree (whichever is most recent) within 6 years from the time of selection by the Board of Regents. If an individual pursues an additional degree beyond his or her professional pharmacy degree or training (i.e., Ph.D.), this additional degree will not be considered a terminal degree, and the 6-year time interval will extend from completion of the terminal pharmacy training or degree. Fellows of ACCP (i.e., “FCCPs”) are ineligible. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and the significance/impact of his or her clinical contributions, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: February 15, 2021.

2021 New Educator Award: This award recognizes and honors a new educator for outstanding contributions to the discipline of teaching and to the education of health care practitioners. Nominees must have been Full Members of ACCP at the time of nomination and members at any level for at least 3 years. In addition, nominees must have completed their terminal professional pharmacy training or degree (whichever is most recent) within 6 years from the time of selection by the Board of Regents. If an individual pursues an additional degree beyond his or her professional pharmacy degree or training (i.e., Ph.D.), this additional degree will not be considered a terminal degree, and the 6-year time interval will extend from completion of the terminal pharmacy training or degree. Fellows of ACCP (i.e., “FCCPs”) are ineligible. Nominations will consist of a letter from an ACCP member to the chair of the Awards Committee detailing the nominee’s qualifications for this award and the significance/impact of his or her clinical contributions, the nominee’s curriculum vitae, and a minimum of two letters of recommendation from other ACCP members. At least one of these letters must be from an individual outside the nominee’s current institute of practice. Self-nominations are not permitted. Current members of the Board of Regents, Foundation Board of Trustees, PPI Board of Directors, Awards Committee, or ACCP staff are ineligible. Nomination deadline: February 15, 2021.
President’s Column
The Journey Begins...

Jimmi Hatton Kolpek, Pharm.D., FCCP, FCCM, FNAP

Each of us has faced unique challenges over the past year, both personally and professionally, as our nation has experienced the ravages of an infectious disease pandemic, the devastation of national disasters, and the grim reality of persistent systemic racism. The courage, resilience, persistence, and innovation required to address these events were evident in the 2020 professional commitments highlighted across the ACCP membership. Our members contributed to the NIH COVID-19 guidelines, optimized medication therapy across spectrums of practice, created access models for vaccines, redesigned education and health care communication models, and volunteered across the nation to support those in need. Flexibility, determination, and intentionality were required daily. Each of us changed in 2020. Now, in 2021, our journey begins in the quest to determine how we will meet the challenges ahead by becoming more emboldened in our actions, digging into personal and professional zones of discomfort, and emerging stronger from this point forward.

Advocating for and leading changes to build health equity and overcome the impact of racism are among our responsibilities as clinical pharmacists. We need skills to begin conversations that target practices, policies, and paradigms contributing to persistent disparities across races, ages, gender identities, and disabilities. We are fortunate to have ACCP as a component of our support system sharing this journey. The tenacity inherent in the ACCP leadership and staff has demonstrated the power of shared values within our organization in our response to racial injustices, gender inequities, and harassment.

During my next year of service as ACCP president, our boards, committees, programs, and members will seek to establish a shared vision to embrace diversity and allow us to grow into inclusive leaders. Our direction will be guided by crucial conversations. Members can expect to see leadership-setting examples and the sharing of them and the examination of publications and policies related to health disparities. The 2020 ACCP Annual Meeting set the stage as Dr. Lloyd B. Minor gave the keynote address, “Precision Health and Leadership During a Pandemic.” His presentation reminded us of the disproportionate impact of COVID on BIPOC (black, indigenous, and people of color). The discouraging revelation of zip code association with COVID-related recovery and death resonated with many of us as a critical call for change.

Steps to heal broken systems will require individual determination to think differently, listen differently, and teach, practice, and design research differently. How encouraging it was to hear the remarkable example of methodology improving health outcomes provided by Dr. Edith Nutescu’s Therapeutic Frontiers Award Lecture! Her research using pharmacy-centric interventions and models of care has changed anticoagulation outcomes in minority populations. Dean Marie Chisholm-Burns, recipient of the Russell R. Miller Award, likewise provided inspiring insights and motivation in her acceptance remarks. These individual ACCP members, leading by example, have demonstrated that much is still yet to be done on this shared journey. Importantly, however, it CAN be done! Reflecting on each person’s adaptability to meet the unprecedented challenges of 2020, it is clear that we can overcome barriers. Let’s vow to shift paradigms within education, practice, and research to bring diversity and inclusion to the forefront.

How can we become inclusive leaders, bridge diversity gaps, and build health equity in ourselves and our own programs? First, we must recognize and accept that the time for action is now. ACCP’s new strategic plan establishes criteria for measuring our progress as we journey toward this goal. The College will be working to support the development of inclusive leadership skills, modeling responsible examination of unconscious bias, and emphasizing the importance of adhering to an organizational code of conduct – all of which are steps designed to combat racism, harassment, and discrimination.

It is my privilege to serve ACCP and each of you as president during this pivotal time. During my president-elect year, President Brian Erstad and Past President Suzanne Nesbit served as models of humility and authenticity. It was an honor to avail myself of their mentorship, along with that provided by the other members of the Board of Regents. Through our work together, I observed firsthand a willingness to tackle complex, unexpected issues affecting our profession and ACCP members. Together with the Board of Regents, it is clear that the ACCP Foundation Board of Trustees, the Pharmacotherapy Publications Board of Directors, and the ACCP staff share a vision that is to be pursued through implementation of the new strategic plan.

I have always been proud to be a member of ACCP, and my career has been transformed by leaders in this organization. I encourage each of you to use these valuable mentors and begin to identify how we will build on their legacy as we adopt strategies to expand diversity
across our organization. This year, we stand united as clinical pharmacists accepting responsibility to help achieve health equity as a right for all people.

As your president, I am confident that meaningful partnerships will strengthen us and improve our perspective on many issues. As journeymen on this road, we can expect to encounter unfamiliar territory, histories of injustice, and other unknown challenges. In 2020, we found strength and learned much about ourselves — we are no longer unaware of the public health issue inherent in systemic racism. We can change the dialogue. We can help prepare tomorrow’s clinical pharmacists across diverse backgrounds, ethnicities, and experiences to become inclusive leaders. Let’s do this!

About the Pharmacy Workforce Center

The Pharmacy Workforce Center (PWC) is a coalition of nonprofit corporations whose mission is to serve the pharmacy profession and the public by actively researching, analyzing, and monitoring the size, demography, and activities of the pharmacy workforce. In the past, the PWC financed the Pharmacist Demand Indicator (PDI) (formerly the Aggregate Demand Index). Begun in 1999, the PDI collects and disseminates data on the demand for pharmacists in the United States using a panel of pharmacist employers. In January 2019, the PDI was temporarily suspended because of inconsistency in the number of panelists participating in the survey, which led to the inability to report results on a state level.

In September 2020, however, the PWC released a new tool that provides an enhanced measurement of pharmacist demand in the United States by using artificial intelligence technology to analyze hundreds of millions of publicly available online job postings. The Pharmacy Demand Report (PDR) was developed to replace the PDI and to provide an enhanced measurement of pharmacist demand in the United States. This information is intended to be used by the pharmacy profession and other stakeholders to assess and follow the trends for various career opportunities for pharmacists and pharmacy technicians on an individual state, regional, and metropolitan area level. The information contained in the PDR is generated from the Burning Glass Technologies Labor Insight™ Real-time Labor Market Information tool. Burning Glass delivers job market analytics that empower employers, workers, and educators to make data-driven decisions. The company’s artificial intelligence technology analyzes hundreds of millions of publicly available job postings and real-life career transitions to provide insight into labor market patterns.

ACCP is actively engaged in the PWC, participating in quarterly meetings of its board of directors.

The PWC Board of Directors consists of representatives of the following organizations:

- American Association of Colleges of Pharmacy (AACP)
- American College of Clinical Pharmacy (ACCP)
- American Pharmacists Association (APhA)
- American Society of Health-System Pharmacists (ASHP)
- Board of Pharmacy Specialties (BPS)
- National Alliance of State Pharmacy Associations (NASPA)
- National Association of Chain Drug Stores (NACDS) Foundation
- National Community Pharmacists Association (NCPA)
- Pharmacy Technician Certification Board (PTCB)

The PWC Observer organizations include:

- Health Resources & Administration (HRSA) Bureau of Health Workforce (BHW)
- National Association of Boards of Pharmacy (NABP)

For more information on the Pharmacy Workforce Center, visit www.aacp.org/resource/pharmacy-workforce-center. To access the latest Pharmacy Demand Report, visit www.aacp.org/article/2020-pharmacy-demand-report.
Typically, at the end of a hard-fought, drawn-out contest, we look for words of inspiration from those who emerged victorious. But as the 2020 presidential election meanders to its unprecedented conclusion, the thoughts of Senator Mitt Romney (R-UT) seem uniquely relevant. Romney, as the Republican nominee in 2012, saw his dignified presidential bid fall short to the victorious Obama-Biden ticket. Romney recently expressed his concern on Twitter over the tone and rhetoric of our current political landscape: “I’m troubled by our politics, as it has moved away from spirited debate to a vile, vituperative, hate-filled morass that is unbecoming of any free nation – let alone the birthplace of modern democracy.”

ACCP is a nonpartisan organization that embraces opportunities to work with policy leaders from across the political spectrum who represent diverse and sometimes conflicting ideologies. In this pursuit, ACCP seeks to advance a team-based model of patient care that achieves medication optimization. Therefore, the College’s strategic decision to “rise above” politics for the duration of the campaign was straightforward. We suspended our traditional Political Action Committee (PAC) fundraising efforts and made a conscious decision not to pursue opportunistic efforts to shoehorn Medicare reform that would cover pharmacists’ services. Similarly, we made a conscious decision not to allow Medicare reform to spiral into a highly contentious legislative effort on Capitol Hill. Instead, we paused our efforts in order to allow our lawmakers to provide economic relief to those struggling under the pandemic. Throughout the election campaign, we remained focused on intra- and interprofessional efforts to respond to and alleviate the effects of the ongoing COVID-19 pandemic.

Where Are We Now?
As it stands, former Vice President Joe Biden will be inaugurated on January 20, 2021, as the 46th president of the United States. In the U.S. House of Representatives, the Democratic Party is expected to retain the majority, led by Speaker Nancy Pelosi (CA). Control of the Senate will be determined by two runoff elections held in Georgia on January 5, but the expectation on both sides of the aisle is that the Republican Party, led by Senator Mitch McConnell (KY), will remain in the majority.

ACCP’s 2021 Outlook
ACCP’s advocacy efforts go well beyond targeting Congress in pursuit of legislation to amend the Social Security Act to establish coverage for comprehensive medication management (CMM) delivered by qualified clinical pharmacists working under collaborative practice structures.

Over the past 5 years, we’ve also worked to strengthen and expand the efforts already under way to test innovative approaches to integrating CMM through Medicare alternative payment models and building relationships with physician groups, other provider and specialty organizations, private payers, and other key stakeholders to advance this initiative.

The Centers for Medicare and Medicaid Innovation (the “Innovation Center”) was established under the Affordable Care Act (ACA or “Obamacare”) to test the feasibility of implementing “innovative payment and service delivery models to reduce program expenditures … while preserving or enhancing the quality of care” for individuals who receive Medicare, Medicaid, or Children’s Health Insurance Program (CHIP) benefits.

Within the Innovation Center, Comprehensive Primary Care Plus (CPC+) is a national advanced primary care medical home model that aims to strengthen primary care through regionally based multi-payer payment reform and care delivery transformation. Currently, 2965 primary care practices participate in CPC+ across 18 regions. Of importance, CMS includes the requirement that practices develop a plan to provide CMM to patients discharged from the hospital and those receiving longitudinal care management.

CMS’s inclusion of CMM is another example of ACCP’s progress in helping to advance CMM as an essential professional activity for effective integrated primary care. ACCP remains focused on efforts to educate lawmakers on Capitol Hill about innovative solutions to modernize Medicare, including coverage for CMM services. However, in devoting resources to support the advancement of CMM across multiple payers and settings, our strategy recognizes that entities such as the Innovation Center exist precisely to pilot the integrated, advanced payment models that ACCP endorses. We are committed to working with thoughtful leaders from across the political spectrum to advance an evidence-based approach to developing, positioning, and advancing clinical pharmacists.
Pharmacotherapy Update
Annual Review of Progress Reveals New
Record-High Accomplishments

C. Lindsay DeVane, Pharm.D.
Editor-in-Chief, Pharmacotherapy

The Annual Meeting of the American College of Clinical Pharmacy is ideal for reviewing the progress of Pharmacotherapy, one of the two official journals of our professional association. This year’s meeting was held virtually and included an annual report by each editor-in-chief during the business meeting. For interested readers and ACCP members who were unable to attend, this column summarizes the presentation and provides additional updates on Pharmacotherapy.

One of the chief metrics of how Pharmacotherapy is viewed in the world’s biomedical literature is its impact factor (IF), a numeric value reflecting the number of citations in other articles to publications in the journal. The Clarivate Analytics database used to calculate the IF includes over 8000 biomedical journals. For 3 consecutive years, Pharmacotherapy has exceeded an IF of 3.0. For 2019, the current year of reporting, the value was 3.473, an increase of 14% over that for 2018. This new record high places the journal in 83rd place among 270 journals in the category of pharmacology and pharmacy, an improvement from 97th place in 2018. In achieving this level of impact, the journal has benefited from increased worldwide marketing by its publisher, a continued increase in the number of high-quality submissions, and the contributions of a renowned editorial board and knowledgeable reviewers.

Of the hundreds of Pharmacotherapy reviewers who are asked each year to provide evaluations of the suitability for publication of submitted manuscripts, many are also critical in providing advice to the journal’s scientific editors in making editorial decisions. A few individuals each year are honored as Outstanding Reviewers for significant contributions to the journal’s mission. At the 2020 ACCP Annual Meeting, four such individuals were identified: John M. Allen, Pharm.D. (University of Florida College of Pharmacy); Audrey J. Lee, Pharm.D. (University of the Pacific School of Pharmacy); Zachary R. Noel, Pharm.D. (University of Maryland School of Pharmacy); and Kerry Pickworth, Pharm.D. (Ohio State University Medical Center).

In addition, a new annual “Editor’s Choice Award” was established this year to recognize one or more outstanding articles that are highly influential for the insight they offer for enhancing the field of pharmacotherapy or clinical pharmacy. Pharmacotherapy recognizes the review of therapeutics by Alexandra M. Hanretty and Jason C. Gallagher titled “Shortened Courses of Antibiotics for Bacterial Infections: A Systematic Review of Randomized Controlled Trials” (Pharmacotherapy 2018;38:674-87) with the inaugural recognition of this award.

The role of reviewers is increasingly important as the journal continues to receive a record number of submissions. Over the past few years, Pharmacotherapy has received an increasing number of new manuscripts each month. The number of submissions originating from outside the United States and from non-pharmacist authors continues to grow. The journal publishes about 150 manuscripts each year spread over monthly issues, with 712 manuscripts received in 2019. This editorial process requires a rejection rate in the range of 84%. Authors submitting to Pharmacotherapy receive a rapid editorial decision. The average time from submission to the final decision is consistently fewer than 30 days. This turnaround time is highly valued by authors when deciding where to submit their work for publication and is also highly competitive.

Although IF is an important metric of a journal’s status within its field, the editors of Pharmacotherapy are increasingly aware that the use and potential value of the articles published therein, regardless of the number of yearly citations, also reflect the journal’s importance in influencing optimal drug therapy for countless patients. Metrics that reflect these values of Pharmacotherapy include the number of article downloads and the journal’s mentions on social media. The number of article downloads exceeded 480,000 in 2019, surpassing the previous year’s record of 363,000 by over 32%. The number of Twitter and Facebook followers continues to rise. Related to Internet promotion of the journal, Pharmacotherapy is committed to promoting its authors with podcast interviews. Monthly publication of an interview with an author by one of the scientific editors has become a standard procedure. These can be found at anchor.fm/accp-jrnls or by subscribing to the ACCP JRNLS podcast from your favorite platform. Overall, the principal indicators suggest that Pharmacotherapy provides important knowledge for the world’s drug therapy decision-makers.

Pharmacotherapy relies heavily on the proficiency of its editorial board and was pleased to add Ryan M. Carnahan, Pharm.D. (University of Iowa) and Janelle B. Perkins, Pharm.D. (University of South Florida) to its existing panel of experts in 2020.

Pharmacotherapy continues to be an important conveyor of knowledge in human pharmacology and drug therapy to researchers and end users. In 2020, the journal published or accepted 17 articles related to the COVID-19 pandemic. These included a mixture of
editorials, case reports, original research articles, and reviews of therapeutics. Many of these articles have gone on to be highly cited and downloaded. Together with the College’s other official journal, the Journal of the American College of Clinical Pharmacy (JACCP), Pharmacotherapy advances human pharmacology and drug therapy and promotes the progress of the clinical pharmacy profession.

**ACCP Congratulates 2020 Academy Graduates!**

Congratulations to the following 16 individuals who completed an ACCP Academy this year:

- **Leadership and Management**
  Hina Ahmed, Michelle Lewis, Amy Montes, Golden Peters, Denise Pinal, Amy Seybert, and Yvonne Zorn

- **Research and Scholarship**
  Mojdeh Heavner, Andrew Merker, and Sara Wettergreen

- **Teaching and Learning**
  John Allen, Rachel Finkelstein, Wendy Gabriel, Joy Ma, Judy Olson, and Tracy Trang

Are you interested in honing your skills within your workplace? Would you like to acquire new skills in the realms of leadership, research, and teaching? Sign up today for the ACCP Academy! Please visit [www.accp.com/academy/index.aspx](http://www.accp.com/academy/index.aspx) for more details, or contact the staff liaison, Jessie Culley, at jculley@accp.com.

**2021 ACCP Clinical Research Challenge Registration Opens November 16, 2020 Local Competition Exam Available**

**Clinical Research Challenge**

ACCP’s innovative and unique competition offers teams of three pharmacy students the opportunity to participate in an online journal club and the chance to submit a clinical research proposal. Plan now to participate in 2021. Team registration opens November 16, 2020; the deadline for registration is February 10, 2021.

The competition is only open to pharmacy students pursuing their first professional pharmacy degree from an accredited institution or an institution that has been granted candidate status. In addition, students must be in the first 2 years of their first professional pharmacy degree program (P1 and P2 students for 4-year programs; P1 and P2 students for 3-year accelerated programs, and the first 2 professional years of 0-6 or 0-7 year programs). Only one team per institution can enter the competition. Institutions with branch campuses, distance satellites, or more than one interested team are encouraged to conduct a local competition. ACCP provides a written examination for institutions to use as a basis for their local competition, if they desire. This examination can be requested by the ACCP faculty liaison or registering faculty member via e-mail. Please address your e-mail request to Michelle Kucera, Pharm.D., BCPS, at mkucera@accp.com.

Students are not required to be members of ACCP to participate. Team registration should be submitted online and must be initiated by a current faculty member at the respective institution. Students interested in forming a team should contact their ACCP faculty liaison. The deadline to complete team registration and confirm eligibility for the 2021 competition is February 10, 2021. For additional competition information, including schedules, FAQs, and sample questions, click [here](http://www.accp.com/academy/index.aspx).

**Member Recruiters**

Many thanks to the following individuals for recruiting colleagues to join them as ACCP members:

- Mustafa Almayyah
- Joelle Ayoub
- Jeffrey Bishop
- Courtney Bunner
- William Call
- Dana Elder
- Danielle Evans
- Caitlin Gibson
- Stephanie Goretsky
- Richard Hansen
- Kimberly Harrison
- Anthony Hawkins
- Kevin Howk
- Anh Huynh
- Ryan Kellerman
- Monica Mahoney
- Whitney Nesbitt
- Jennifer Ngan
- Elizabeth Richardson
- Kelly Rogers
- Teena Sam
- Christopher Vu
- Autumn Walkerly
- Andrew Webb

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**IDSAP 2020 | Book 2**

Resistant Gram-Positive Infections Offers 15.5 BCIDP Recertification Credits

ACCP Report 14 November 2020