



PRACTICE ADVANCEMENT IN ACTION:

2019-2020 IMPACT REPORT

RESEARCH: AN ENHANCED FOCUS



ASHP FOUNDATION ESTABLISHES RESEARCH ADVISORY COUNCIL

The Research Advisory Council was established in 2019 to provide guidance to the ASHP Foundation as we broaden our research programs, an important part of the ASHP Foundation's mission and pivotal to the future of pharmacy practice. The Council has identified 13 initial priority research areas to be supported by Foundation research grant funds.

ASHP FOUNDATION CORE RESEARCH PRINCIPLES



OPTIMIZE medication-related processes and outcomes to improve patient health.



DEMONSTRATE the impact of pharmacy practice innovation.



ACCELERATE implementation in practice and policy.



ENHANCE the capacity to engage in outcomes-focused research.



PICTURED: ASHP Foundation Research Advisory Council. Top row: James S. Kalus, M. Lynn Crismon, Michael J. Rybak, Heather L. Ourth, C. Michael White, W. Anthony Hawkins, Mark Sullivan, Second row: Dima Qato, Kenneth M. Shermock, Kathryn V. Blake, Third row: Mary A. Andrawis, Ken Perez, Fourth row: Laney K. Jones.



ASHP FOUNDATION RESEARCH AGENDA

THE FOLLOWING PRIORITY RESEARCH AREAS SERVE AS A FRAMEWORK TO GUIDE THE ASHP FOUNDATION'S RESEARCH SUPPORT.

- Continuum of Care
- Healthcare Disruptors
- Infectious Diseases
- Medication Stewardship
- Operations, Procurement and Payment Models
- Pain Management
- Patient-Centered Care
- Pharmacy Workforce and Environment
- Population Health
- Primary Care and Community Engagement
- Scope of Practice
- Social Determinants of Health and Health Equity
- Technology Solutions and Informatics



“The ASHP Foundation research agenda is integral for strengthening the capacity and impact of research that is relevant to both pharmacy practice, public health, and health policy. The priority areas align with the increasingly important role of pharmacists—and pharmacies.”

—DIMA MAZEN QATO, PHARM.D, M.P.H., PH.D.,
RESEARCH ADVISORY COUNCIL MEMBER



STIMULATING INNOVATION



OPTIMIZING TECHNOLOGY SOLUTIONS INNOVATION RESEARCH GRANT PROGRAM

The ASHP Foundation has committed at least \$250,000 in support of the new ASHP Innovation Center to fund research projects focused on using technology to improve medication management and safety.

This new grant program supports projects that demonstrate the impact of optimizing new and emerging technology to enhance the safe and effective use of medications.

The Optimizing Technology Solutions Innovations Research Grant is supported by Omnicell.



“This Optimizing Technology Solutions Innovation Grant is an example of ASHP Foundation’s mission at work. This grant program reflects our commitment to fund important research that improves patient outcomes and supports ASHP members focused on leveraging emerging technologies to advance pharmacy practice.”

—ASHP FOUNDATION CEO,
STEVEN A. RUBLOFF.



STIMULATING INNOVATION



Kari Olson, Pharm.D., Clinical Pharmacy Specialist at Kaiser Permanente, Denver, Colorado



GRANTEE CIRCLE

KARI OLSON, PHARM.D., of Kaiser Permanente, Denver, Colorado received a research grant of \$30,000 from the Optimizing Technology Solutions Innovations Research Grant Program to fund her study entitled, “Evaluation of a Pharmacist-Led, Smart-Phone Enabled, Electronic Health Record (EHR)-Leveraged Home Blood Pressure Monitoring Program.”

“There are very few other funding avenues specific to pharmacists that encourage exploration of integrating technology specifically to advance pharmacy practice and improve medication outcomes. Thus, these grants are important to moving our profession forward.”

KAMAKSHI RAO, PHARM.D., BCOP, FASHP of University of North Carolina Medical Center, received a research grant of \$30,000 from the Optimizing Technology Innovation Solutions Research Grant Program to fund her study entitled, “Development of a Predictive Model to Guide Pharmacist Prioritization in the Care of Medically Complex Patient Populations.”

“By supporting research projects like these, the Foundation is demonstrating its commitment to pharmacists who are doing cutting edge research that advances practice, improves medication safety and enhances health outcomes of their patients.”

Kamakshi Rao, Pharm.D., BCOP, FASHP, Assistant Director of Pharmacy University of North Carolina Medical Center



DID YOU KNOW?

The ASHP Foundation has awarded **\$3.7 million** in research funding since 2006.



PHARMACY LEADERSHIP ACADEMY: BENEFITS FOR THE ENTIRE HEALTH SYSTEM



LEADING IN PRACTICE

RACHEL DEWBERRY, PHARM.D., DPLA, was searching for an opportunity to gain experience that would help her prepare for a role in pharmacy leadership. Through her participation in the ASHP Foundation's Pharmacy Leadership Academy, she not only gained valuable leadership training to prepare her for a leadership position in pharmacy but also developed insights that will positively impact the entire hospital. The Pharmacy Leadership Academy is a highly-respected leadership program that provides training to position and prepare participants to take on leadership roles in healthcare. *Supported in part by educational grants from Amgen, Inc., and Apexus.*

850+
Pharmacists
completed the
Pharmacy
Leadership
Academy



"After the Academy, the practical experience helped me to evaluate my own pharmacy department structure, operational workflow, and financial effectiveness."

Rachel Dewberry, Pharm.D., DPLA, Inpatient Pharmacy Operations Supervisor, MedStar Good Samaritan Hospital, Baltimore, Maryland



DID YOU KNOW? Graduates of the Pharmacy Leadership Academy receive the designation of Diplomate, Pharmacy Leadership Academy (DPLA) to recognize their achievement in leadership.



LEADING IN PRACTICE



FROM STUDENT TO FACULTY

When **JENNIFER REITER, PHARM.D., M.B.A., BCPS, BCACP, BCADM**, was asked to take part in various new quality improvement initiatives and projects in her health system, she realized that she needed to develop a different set of skills. “I felt better understanding the traits and skills of lateral leadership and how they best fit the role I was playing and would serve me well as I moved into formal leadership positions.” She was recruited for the Pharmacy Leadership Academy by her mentor, Academy faculty and former ASHP Board Member, Michael Melby, whose lifetime of contributions to healthcare innovation were cut short when he passed away in December 2019.

After completing the Pharmacy Leadership Academy, she completed a M.B.A. program through one of the Academy’s affiliated programs. She was honored to be asked to join the faculty for Leading Transformational Change and Innovation, her favorite course as a student. “Pharmacists are moving into so many different positions and areas of practice, learning how to recognize the types of change they are leading and integrating appropriate strategies for implementing change is key to our success.”

“The Pharmacy Leadership Academy emphasizes that leadership is truly a practiced skill requiring training and resources!”



DID YOU KNOW?

Five graduate programs allow Pharmacy Leadership Academy graduates to waive a certain number of credits towards a master’s degree.

Jennifer Reiter, Pharm.D., MBA, BCPS, BCACP, BCADM,

Pharmacy Manager-Ambulatory Care
Indiana University Health
Southern Indiana



PLANNING FUTURE INNOVATIONS



PHARMACY FORECAST 2020 PROVIDES RECOMMENDATIONS ON DEALING WITH UNPREDICTABLE EVENTS AMID THE COVID-19 PANDEMIC

As pharmacists work to combat COVID-19, the importance of having systems in place to respond to unanticipated events has never been more important. The 2020 *Pharmacy Forecast Report* is a tool produced annually by the ASHP Foundation to assist pharmacists and health systems as they engage in strategic planning. The authors of the chapter on black swan events or rare events (widely deemed improbable) with massive consequences incorporate the results of the Forecast Panels' survey responses into actionable strategic recommendations to assist leaders in addressing current and future healthcare delivery challenges.

The Pharmacy Forecast is supported by a grant from Omnicell, Inc., to the ASHP Foundation's David A. Zilz Leaders for the Future Fund.



#1

The Pharmacy Forecast was the most viewed and downloaded article in the *American Journal of Health-System Pharmacists* for the fourth year in a row.

“When a game-changing event emerges, such as the coronavirus global pandemic, the Pharmacy Forecast can help frontline leaders look beyond the enormous immediate pressures facing them.”

—WILLIAM A. ZELLMER, PHARMACY FORECAST FOUNDING EDITOR



RECOGNIZING EXCELLENCE DIFFUSING INNOVATION



GLOBAL IMPACT

Khalid Eljaaly, Pharm.D., MS, BCPS, BCIDP, received the 2019 Literature Award for Innovation in Pharmacy Practice for his article, “Impact of Requiring Re-Authorization of Restricted Antibiotics on Day 3 of Therapy.” The Literature Awards Program was created to stimulate research and innovation by recognizing pharmacists who have made significant contributions to biomedical literature.

“It is an extreme honor and encourages me to continue my work on antithrombotic stewardship and ways pharmacists can contribute more to direct patient care and maintaining the efficacy of available antimicrobial agents. Also, it means a lot coming from the ASHP Foundation, which represents pharmacists very well.”

“The ASHP Foundation is reminding us that we belong to a big pharmacy family.”



Khalid Eljaaly, Pharm.D., MS, BCPS, BCIDP,
with ASHP Foundation Board of Directors
Chair John T. Tighe, III



DID YOU KNOW?

More than
180 articles have been recognized through the Literature Awards for bringing innovative ideas to the attention of our national healthcare system.



INSPIRING RESIDENTS

PHARMACY RESIDENCY EXCELLENCE AWARDS

Recognizing excellence and innovation in residency training by residency programs and preceptors is a hallmark of the ASHP Foundation. Excellence in residency training has become more important for pharmacists than ever before. It is a priority for ASHP, advocating that all pharmacists in direct patient care roles have residency training (or equivalent experience).

This awards program features three categories that recognize new and experienced preceptors, and innovative residency programs. *The Awards are sponsored by Amgen.*

“Awards like the Pharmacy Residency Excellence Award are important both within and outside of our profession to increase the realization that residency training can improve and benefit patients.”

—JOSEPH SASEEN, PHARM.D., VICE CHAIR, CLINICAL AND ACADEMIC PROGRAMS;
DEPARTMENT OF CLINICAL PHARMACY



**2019 Pharmacy Residency Excellence Program
Award Recipient:** University of Colorado Skaggs
School of Pharmacy Postgraduate Year Two
Ambulatory Care Pharmacy Residency.



INSPIRING RESIDENTS



VISITING LEADERS PROGRAM



Above: Visiting Leader Bruce E. Scott, M.S., FASHP with Michigan Medicine residents

The Visiting Leaders Program challenges residents to lead, develop a career plan and learn how to be successful in today's complex pharmacy and healthcare environment.

In December 2019, Visiting Leader Bruce E. Scott, M.S., FASHP, met with residents from Michigan Medicine in Ann Arbor, Michigan. "The visit was extremely impactful and provided a tremendous amount of perspective for our staff and residents," said Pharmacy Residency Coordinator Kate Starosta, Pharm.D, BCPS. "The residents who attended all commented on how great it was to hear Bruce's story and interact with one of the top leaders in hospital pharmacy practice. When you go to keynote speaker addresses, you don't get an opportunity to pick anyone's brain on things your department is actively experiencing. This program allows one-on-one time, which is invaluable. You won't have a better opportunity to have personalized advice and conversations about health system practice!"

The Visiting Leaders Program is supported by David A. Zilz Leaders for the Future Fund and the Sara J. White Leadership Fund.



170

The Visiting Leaders Program has supported 170 residency program visits since 2012, reaching almost 1,000 residents.



DID YOU KNOW? ASHP has advocated that all pharmacists in direct patient care roles have residency training (or equivalent experience) by 2020. The ASHP Foundation has awarded more than \$3.4 million in funding to establish 98 new residency positions through the **Pharmacy Residency Expansion Grant** Program since 2011. *Supported by Abbvie and Merck*



THANK YOU FOR YOUR SUPPORT



Kelly Smith,
ASHP Past President

Our supporters generously donate their time, talents, and treasures to ensure that the ASHP Foundation continues to provide vital funding for critical programs that address ASHP member priorities, advance pharmacy practice, and improve patient outcomes.

GENEROUS DONORS

“I give to the ASHP Foundation because the Foundation’s research and education programs stimulate practice-based innovation and keep moving pharmacy forward. They tirelessly support ASHP, which has played a large role in my career.”

DEDICATED VOLUNTEERS

Leticia R. Moczygemba, Pharm.D., Ph.D., FAPhA, FAACP, began her relationship with the ASHP Foundation after receiving a New Investigator Research Grant in 2009. In 2010, she began volunteering as a research grant review panelist. In 2019, she served on the 2019 Pharmacy Residency Research Grant review panel. “I believe it is my responsibility as a researcher to actively contribute to the peer review process. Overall, the Foundation encourages innovation in the profession by focusing on salient issues in pharmacy practice and providing support for investigators to explore feasibility or test the impact of novel ideas.”



Leticia R. Moczygemba, Pharm.D., Ph.D., FAPhA, FAACP, Associate Professor, University of Texas College of Pharmacy



THANK YOU FOR YOUR SUPPORT



Ken Perez, Vice President of
Healthcare Policy, Omnicell, Inc.

CORPORATE PARTNERS

Omnicell has a long history of supporting the ASHP Foundation in addition to being a Platinum Member of the Corporate Partners Program. Omnicell regularly sponsors the annual donor match campaign and funds the Optimizing Technology Solution Innovation Grant Program and the annual *Pharmacy Forecast*. Omnicell has been delighted to support the ASHP Foundation and participate in the Corporate Partners Program for many years as well.

“Our company was born out of a concern for patient care, and likewise, improving patient care is the ultimate aim of the Foundation’s many research and education initiatives. Thus, Omnicell’s support of the Foundation is meaningful and aligns with our company’s history, culture and values. We applaud the Foundation’s efforts to advance pharmacy practice and ensure the optimal, safe, and effective use of medications.”



DONOR CORNER

RECOGNITION SOCIETIES: JUST ONE WAY WE SAY THANK YOU

Our new donor recognition societies celebrate the impact that donors have on the Foundation's ability to fund research, leadership, and educational initiatives that advance pharmacy practice and improve safety and health outcomes for patients.

ODDIS SOCIETY: Named for long time ASHP Chief Executive Officer, Dr. Joseph Oddis, this society recognizes donors who donate \$1,000+ annually.

FRIENDS OF PHARMACY CIRCLE: The Friends of Pharmacy Circle recognizes those who give through our monthly giving program each year.

1968 SOCIETY: The 1968 Society, which commemorates the year of the Foundation establishment, recognizes loyal donors who give any amount for 3+ consecutive years.

NEW PROFESSIONALS VISIONARY SOCIETY: Recognizes the support of new resident, new practitioners pharmacists, or new pharmacy technician donors with 5 or less years in practice.

STUDENT PHILANTHROPIC SOCIETY: The Student Philanthropic Society recognizes our student donors on an annual basis.

“I believe the Foundation has a profound and positive impact on pharmacy practice. The research funding is a great resource for residents to pursue to further expand their projects and develop research skills. The work that the Foundation provides is key to health-system pharmacy leaders.”

—TYLER VEST, PHARM.D., M.S. BCPS, BCSCP
CHAIR (IMMEDIATE PAST), VICE CHAIR, ASHP NEW PRACTITIONERFORUM EXECUTIVE COMMITTEE



DONOR CORNER

LIFETIME GIVING SOCIETIES

These societies recognize specific levels of donations on a lifetime basis. They honor the commitment, involvement, and cumulative giving of our most generous supporters.

DIAMOND • \$100,000 or more

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EMERALD • \$50,000-\$99,999

Daniel J. Cobaugh	David J. Warner	Paul W. Abramowitz	Randall A. Lipps	William A. Zellmer
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SAPPHIRE • \$25,000-\$49,000

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Dallas J. Howe	George S. Zorich	Joseph A. Oddis	Rebecca S. Finley	Enright
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PEARL • \$10,000-\$24,999

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Pharmacy Leadership Academy Pharmacy Residency Excellence Awards



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Pharmacy Residency Expansion Grant Program



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Pharmacy Forecast Report
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PLATINUM

GOLD



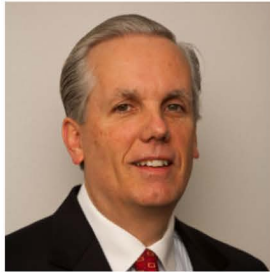
SILVER

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With our donors' generous support, the ASHP Foundation will continue to offer programs that improve patient outcomes, advance medication safety, and position pharmacists as healthcare leaders.

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