

IMPACT Report

THE ANNUAL REPORT OF THE
AMERICAN PHARMACISTS
ASSOCIATION FOUNDATION

2021

IMPROVING HEALTH BY INSPIRING PHILANTHROPY, RESEARCH AND INNOVATION

ABOUT APhA FOUNDATION

MISSION

The Mission of the APhA Foundation is to improve health by inspiring philanthropy, research, and innovation that advances pharmacists' patient care services. The APhA Foundation looks to create a new medication use system where patients, pharmacists, physicians and other health care professionals collaborate to dramatically improve the cost-effectiveness and quality of patient health outcomes.

VISION

The APhA Foundation is nationally recognized as a leader in transforming the health care system.

VALUES

The APhA Foundation values patients' central role in all its endeavors. Furthermore, the Foundation recognizes and respects the critical role that pharmacists have in collaboration with other health care providers.

Our Leadership

APhA Foundation Board of Directors 2021-2022



Steve Simenson, RPh, BPharm
(President)
President & Managing Partner Goodrich Pharmacy
Ramsey, MN



Anjanette Wyatt, BSPharm, PharmD (Vice President)
CEO
Clinical Care Pharmacy, LLC
Houston, TX



Gary Kadlec, BSPharm, MBA, ScD (Treasurer)
Former APhA President
Rochester Hills, MI



Scott Knoer, MS, PharmD, FASHP (Secretary)
APhA Executive Vice-President and CEO
Washington, DC



Laura Carpenter, BPharm, JD, RPh
CEO
BulaLaw, LLC
Phoenix, AZ



Mallory Ward
Director
Reservoir Communications Group LLC
Washington, DC



Elizabeth Johnson, PharmD
Owner & Principal
Elizabeth Johnson Consulting
Sacramento, CA

APhA Foundation Staff



Mitchel C. Rothholz, RPh, MBA
APhA Chief of Governance & State Affiliates and Executive Director, APhA Foundation



Shannon Mendoza
Project Evaluator, (CDC DP17-1705 Program Evaluator)



Benjamin Bluml, RPh
Senior Vice President of Research and Innovation



Jason Sapia
Director of Development



Barry Bunting, BSPharm, PharmD
Project Management Specialist (CDC DP17-1705 Program Manager)



Brian Wall, PharmD
Director, Governance & APhA Foundation Administration



Cynthia Carson
Manager Communications & Donor Relations



Olivia Welter, PharmD
Executive Fellow



Jonathan Little, PharmD
Research and Innovation Project Management Specialist

MISSION MOMENT

Honoring members of the pharmacy community for their contributions, dedication, and sacrifices

In the face of unprecedented challenges, particularly to those who suffered loss, disruptions in education or employment, or cared for sick family or community members, pharmacy's COVID-19 heroes came together to help support the public health of our communities.

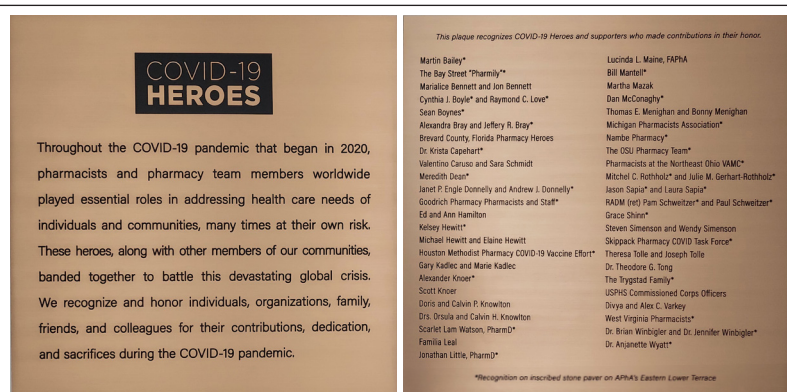
The COVID-19 Heroes Campaign (aphafoundation.org/heroes) was launched to recognize and honor individuals, organizations, family, friends, and colleagues for their contributions, dedication, and sacrifices during the COVID-19 pandemic.



As global vaccination, testing and therapeutic efforts are underway, the service of all pharmacists and pharmacy team members as vital members of the healthcare team, especially the many serving on the front line, are now etched into the profession's history at the American Pharmacists Association headquarters building – the home of American pharmacy.

“At a time when many Americans have been reminded why their pharmacy and pharmacist are essential in their communities, I want to remind you how essential you are to our profession. In the last year, you’ve proven something that I and many others already know: you are a hero, each and every one of you.”

Michael D. Hogue, Pharm.D., FAPhA, FNAP
APhA Immediate Past President, 2021-2022



This enduring bronze plaque display recognizes these heroes and the supporters of the campaign who honored them.



Personal messages of tribute to COVID-19 Heroes are engraved upon the stone pavers of the APhA Terrace and the commemorative bronze plaque dedicates this area of the terrace to their heroic service.

Contributions to the campaign help fund the ability of the APhA Foundation to conduct programs and develop resources to support public awareness of pharmacist-delivered patient care services and improvement of public health. The installation of additional plaques and engraved stone pavers in 2022 will recognize other heroes and campaign supporters. The APhA Foundation will also debut in 2022 a painting commissioned through the COVID-19 Heroes Campaign Art Contest that depicts the contributions of the pharmacy team during the pandemic.

From Your Leadership



Steve Simenson

Dear APhA Foundation Contributors and Friends:

It is so wonderful to report on another busy year at the APhA Foundation and share our accomplishments in the 2021 Annual Report. This annual report is a reminder of the collective good that results from our profession and the passion we bring to improving health through pharmacists' patient care services. You have contributed so much to our success this past year, and I want to share encouraging news from the work you have made possible in 2021.

Supporting innovation and development of future practitioners continues to be an important activity of the Foundation. Consider the impact your support has on the career of pharmacists as students, residents, new practitioners, and experienced pharmacists. In 2021, 30 pharmacists were awarded incentive grants and 19 student pharmacists were selected to receive scholarships.

We are excited to offer a new fully endowed scholarship in celebration of APhA CEO Emeritus Thomas E. Menighan's long-term commitment, leadership, and support of future pharmacists to advance the profession of pharmacy on a local, state, and national level. The Menighan Leadership Scholarship supports APhA-ASP student leader attendance and participation at the APhA Annual Meeting & Exposition.

APhA Foundation research and innovation initiatives in 2021 focused on addressing diabetes prevention, vaccine confidence, cardiovascular health, COVID-19, and continuous glucose monitoring. Through these various programs, we were able to help pharmacists provide better care for diverse populations of patients in rural, suburban, and urban settings across the country. An important achievement of 2021 was the establishment of the IMPACT Care Transformation Network which allows collaboration between participating pharmacies to implement and scale innovative models of care in pharmacy practice.

This year we also continue our commitment to demonstrate how pharmacists have an essential role in improving the quality of patient care outcomes and to provide you with information in support of your advocacy role. In 2022 women pharmacist leaders who have made outstanding contributions to the profession will be recognized through the Women in Pharmacy Recognition Campaign. Your nominations for this campaign are encouraged.

Thank you for your generous donations, support, and engagement with the APhA Foundation. We appreciate your recognition of the Foundation's commitment to research, innovation, and advancement of pharmacist-delivered patient care services. The stewardship of Foundation donations and resources were recognized through the Foundation receiving the designation of a "Top-Rated Nonprofit" and Platinum Seal of Transparency. I look back upon 2021 with gratitude for you and the difference you have made in the lives of patients and current and future pharmacists. Let's look forward to an exciting 2022!

Sincerely,

Steve Simenson, RPh, BPharm
APhA Foundation President

APhA Foundation Received Double Honors

The APhA Foundation received two distinct honors reserved for non-profits. The Platinum Seal of Transparency, the highest level of recognition offered, was awarded for our commitment to being transparent about our work and financial reporting.

The Foundation was also named a **"Top-Rated Nonprofit"** thanks to the endorsements from individuals who have direct experience with us – supporters, volunteers and program participants.

Read inspiring stories about the APhA Foundation and add your own at www.greatnonprofits.org/org/american-pharmacists-association-foundation.

These recognitions demonstrate trust and confidence in our mission to improve health of individuals and communities through pharmacists' patient care services. This is especially significant during this time when pharmacists and pharmacy team members are addressing public health and continuity of care needs of patients and the communities they serve.



GET INVOLVED

At the APhA Foundation, pharmacists are at the center of all that we do. We welcome you to join us as we work to advance the pharmacy profession. Whether gaining real world experience as an intern or Fellow, or providing valuable input for pharmacy demonstration projects as a reviewer or applicant, your participation makes a difference in helping to amplify and demonstrate how pharmacists can improve health outcomes.

APhA Foundation Board of Directors

Two new Directors are appointed by the APhA Board of Trustees to the APhA Foundation Board of Directors each year. Call for nominees are issued annually, and applicants are reviewed by the APhA Foundation Board of Directors, who make recommendations to the APhA Board of Trustees. Individuals from diverse practice and demographic backgrounds wanting to shape the work and direction of the Foundation are encouraged to submit their nomination when applications are available.

Committees

Those interested can also contribute to the work of the Foundation through participation on one of its Committees. Current Committees include:

[Development](#) | [Research & Innovation](#) | [Women in Pharmacy](#) | [Scholarship](#) | [Incentive Grants](#)

Together we are stronger and can advance our mission and pharmacists' roles in improving the health of our communities. We thank the individuals who engaged in the Foundation's Committees in 2021. Individuals are listed in the Contributor section of this report.

Student Interns

APhA Foundation student pharmacist interns are given the opportunity for career exploration within the pharmacy profession. This year, the Foundation precepted two student pharmacists who completed an advanced pharmacy practice experience in association management in collaboration with APhA: **Andrew Ejiofor** from Hampton University School of Pharmacy and **Audrey Wong** from the University of North Carolina Eshelman School of Pharmacy. Ejiofor and Wong participated in communications projects highlighting Foundation research, in addition to day-to-day engagement with staff during their respective rotations.

Reviewers

Foundation contributors can engage with the Foundation through participation in selection review processes for awards, incentive grants, scholarship recipients or with Foundation task forces.

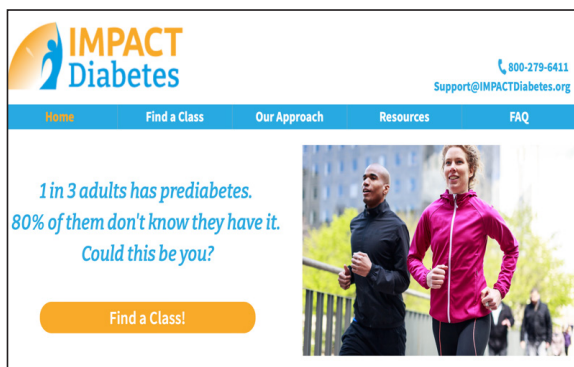
Our APhA Foundation Incentive Grant and Student Scholarship programs rely heavily on help from supporters of the Foundation. Thanks to their efforts, we are able to systemically select the most deserving candidates year after year.

IN 2021, the APhA Foundation's research and innovation initiatives focused on addressing diabetes prevention, vaccine confidence, cardiovascular health, COVID-19, and continuous glucose monitoring. Through these various programs, we were able to help pharmacists provide better care for diverse populations of patients in rural, suburban, and urban settings across the country.

An important achievement of 2021 was the establishment of the IMPACT Care Transformation Network. The IMPACT Network allows collaboration between participating pharmacies to implement and scale innovative models of care in pharmacy practice. These care models offer opportunities for pharmacies to deliver care in unique ways and provides compensation for their services. The significance of the IMPACT Network is that through our patient-centered team-based care approach and innovative projects, patients benefit from improved care from their pharmacists and pharmacy teams. To learn more about or to join the IMPACT Network, go to: <https://www.CareTransformation.Network/>



Let's take a look at some of the opportunities provided through the IMPACT Network, as well as other research and innovation initiatives from 2021.

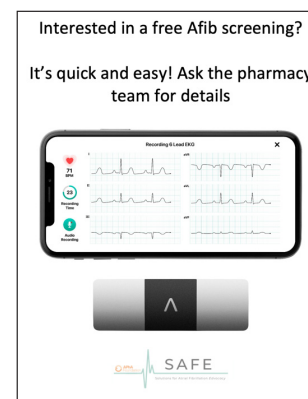


Project IMPACT: Diabetes Prevention is an opportunity to change the landscape of how the National Diabetes Prevention Program (DPP) is delivered in communities across the country. Through a cooperative agreement with **CDC** in partnership with **Kroger** and **SinfoníaRx (TRHC)**, this 5-year national program provides a unique multimodal DPP delivery model using teams of lifestyle coaches to meet participants where they are and support their success. This initiative is setting the stage for how pharmacists and pharmacy practice settings can and will be a compelling solution for preventing diabetes in the future.

National Diabetes Prevention Program Screening Testing And Referral Solutions (NDPP STARS)

NDPP STARS improves patient access to the National Diabetes Prevention Program through the leveraging of community pharmacies and other non-profit organizations, such as **Delta Research and Educational Foundation**, to identify diverse groups of patients that are potentially at-risk for diabetes. Through medication reviews, blood glucose screenings, and other activities, pharmacies have begun identifying patients that could benefit from joining the National DPP. This IMPACT Diabetes initiative supports patients through their health journey by connecting them with a year-long lifestyle change program.

Solutions for Atrial Fibrillation Edvocracy (SAFE) is a new APhA Foundation demonstration project that began enrolling hundreds of patients in 2021. Through Afib screening, detection, and referral services, community-based pharmacists are helping educate patients about risks of Afib. Utilizing FDA-cleared technology from **AliveCor**, this project provides patients with a way to receive an EKG in a community pharmacy within 30 seconds. This project promotes our team-based care principles as the patient is then referred to a physician for further evaluation, and exemplifies the innovative models of care that the IMPACT Network can provide for pharmacies.



Expanding Access to Continuous Glucose Monitoring (CGM) Technology in Community Pharmacies

Through partnership with the **Helmsley Charitable Trust**, the APhA Foundation convened a virtual roundtable of experts across various fields to discuss increasing access to CGM in community pharmacies. Speakers and participants articulated the major obstacles in this area, and laid the groundwork for methods to address these barriers. Utilizing the learnings from this roundtable, the APhA Foundation continues its work to implement solutions for patients to access CGM in community pharmacies.



RxTest.Solutions combines best-in-class testing with pharmacists' services to produce improved individual and public health. Throughout 2021, knowing your COVID-19 antibody status was a significant piece of health information that could help you in the fight against COVID-19. Through RxTest.Solutions, IMPACT Network pharmacies were equipped with a highly reliable, quick and easy-to-use antibody test for use with their patients. One such pharmacy, **Bay Street Pharmacy** in Sebastian, Florida, has embedded RxTest.Solutions into their workflow and patient care.

Project IMPACT: Vaccine Confidence was a major undertaking for 2021, which served to inform the APhA Enterprise as to patients' thoughts on vaccines as well as pharmacies' handling of the mass vaccination effort. This project utilized thousands of responses to our Patient Perspectives Survey as well as modeling from our Project IMPACT: Immunizations demonstration project to create a unique practice model that equipped pharmacies with a systematic process for conducting vaccination history reviews. Through these reviews patients were able to engage their pharmacist in conversations about vaccinations (for COVID-19 and others) and were presented with the opportunity to become up-to-date with their unmet vaccination needs. This project was multifaceted, utilizing survey data, feedback from frontline pharmacists, and input from **CDC**, to create a care model and resources that would help pharmacists during this historically challenging time. By the end of 2021, Project IMPACT: Vaccine Confidence saw 1,200+ patients enrolled for vaccination history reviews through their pharmacies.



We sincerely appreciate the support of each of our Research and Innovation 2021 sponsors:

Bristol-Myers Squibb-Pfizer Alliance ~ Centers for Disease Control and Prevention (CDC)
Centers for Disease Control and Prevention (CDC) Foundation ~ Community Pharmacy Foundation (CPF)
Helmsley Charitable Trust ~ Merck & Co. ~ Sanofi ~ VaxServe

Established in 1994, the APhA Foundation Incentive Grants for Practitioner Innovation in Pharmaceutical Care is the Foundation's longest-running program. To date, the Foundation had provided support for more than 650 Incentive Grants. The 2021 Incentive Grant recipients have chosen to address some of today's most pressing health issues, from mental health to unmet vaccination needs.

With the generous support of **CDC**, the **Community Pharmacy Foundation**, the Daniel A. Herbert Incentive Grant Endowment, and proceeds from the APhA Foundation Annual Fund, the APhA Foundation Incentive Grants for Practitioner Innovation in Pharmaceutical Care provides seed funds to pharmacists and student pharmacists to support pioneering projects and concepts that advance patient care services.

The APhA Foundation extends thanks to our 80 reviewers who evaluated the Incentive Grant applications. With their assessment and consensus, the APhA Foundation awarded incentive grants to 30 deserving recipients.

Incentive Grants Learning Extension

In 2021, Community Pharmacy Foundation (CPF) provided an elevated level of support for the Incentive Grants program. With CPF's partnership, the 2021-2022 recipients are participating in a Learning Extension designed to provide them with resources for enhanced research implementation and dissemination. Residents attend a series of virtual learning sessions, an in-person networking session, and have access to a research mentor. This support from CPF will allow for broader visibility of the results that come from the Incentive Grants program.

2021 Residents and their Preceptors



Amy Catherine Love Baggett, PharmD

Atlantis Pharmacy, Atlantis, FL

Project Title: Examining Barriers and Best Practices Related to Documentation of Electronic Care Plans in Independent Community Pharmacies in Florida, Georgia, Mississippi, and Ohio

Incentive Grant Project Result

The purpose of Amy's study was to identify barriers and best practices related to documentation of eCare plans within community-based pharmacists participating in four Community Pharmacy Enhanced Services Networks (CPESN).

Two different surveys were created for distribution: one based on assessing barriers for pharmacies submitting <10 eCare plans in the prior quarter, and one for assessing best practices for implementation for pharmacies submitting 10 or more eCare plans in the prior quarter. The study highlighted that some of the greatest barriers include resources, perceived time commitment, and lack of payment for services. Best practices included actively involving pharmacists and student

pharmacists in the eCare planning process. Medication synchronization was identified as the encounter most utilized by "Best Practice" pharmacies, followed by drug therapy problems and assessment of adherence.

One difference that was noted between the "Best Practice" and "Barriers" groups was that pharmacies submitting more eCare plans tended to submit with more measurable, specific goals for quality and quantity of eCare plans, as opposed to generalized goals. Ultimately, this study showed that there is an existing difference in knowledge and perceptions between pharmacies that regularly eCare plan and those which do not.

2021 Residents and their Preceptors



Brett Becker, PharmD
MercyOne Dubuque Medical Center Pharmacy

Dubuque, IA

Project Title: Evaluation of a Revised Community Pharmacist-led Transitions of Care Service at a Community Hospital



Wylie Crane, PharmD

Kroger Pharmacy

Richmond, VA

Project Title: Effect of community pharmacist-provided patient education of partial fill availability on rate of partial, completion, and full acute opioid prescription fills

Elizabeth Breeden, PharmD

Campus Health Services

Chapel Hill, NC

Project Title: Evaluating Primary Care Provider Documentation of Combined Hormonal Contraceptive Side Effects Following Pharmacist-Provided Education



Dominique Devereux, PharmD

Balls Food Stores - Price Chopper Pharmacy

Grandview, MO

Project Title: The role of social determinants of health in non-adherence of HMG-CoA reductase inhibitors in the community pharmacy setting



Elizabeth Carmosino, PharmD

Balls Foods Stores - Hen House Pharmacy

Olathe, KS

Project Title: Vaccination Approval Literacy and Its Effects on Intention to Receive Future COVID-19 Immunization



Paul Dossett, PharmD

Poole's Pharmacy

Marietta, GA

Project Title: Assessing the impact of the community pharmacists on diabetes knowledge, hemoglobin A1c, and cholesterol in prediabetic and diabetic patients.

Allison Chacon, PharmD

USC Medical Plaza Pharmacy

Los Angeles, CA

Project Title: RxSAPhE (Repeated Seroprevalence of COVID-19 Antibodies in Pharmacy & Policy Employees and Students)



Amy Dunleavy, PharmD

Osterhaus Pharmacy

Maquoketa, IA

Project Title: Evaluation of barriers to communication between community pharmacists and prescribers in a rural Iowa community





Maya Edmond, PharmD
Inova Transitional Clinic

Fairfax, VA

Project Title: Impact of more lenient A1C goals on hypoglycemic episodes in type 2 diabetic food insecure patients



Sobia Hasan, PharmD
Jewel-Osco Pharmacy

Schaumburg, IL

Project Title: Perception of Telehealth Services Compared with In Person Pharmacist Led Diabetes Education in the Community Pharmacy Setting

Molly Everett, PharmD
Jewel-Osco Pharmacy

Chicago, IL

Project Title: Adherence to Antipsychotic Medications-The Role of the Community Pharmacist



Heather Jarvis, PharmD
L&S Pharmacy

Charleston, MO

Project Title: Implementation of a self-monitoring blood pressure program at a rural independent community pharmacy: a pilot study



Gadeer Hanbali, PharmD
Kroger Pharmacy

Springdale, OH

Project Title: Evaluating the Impact of Pharmacist-Led Continuous Glucose Monitoring Educational Interventions on Markers of Quality of Life and Device Utilization in a Large Community Pharmacy Chain



Ashley Kells, PharmD
Dillons Pharmacy

Hutchinson, KS

Project Title: Impact of Pharmacist-led Employee Health Screenings on Cardiovascular Health



Gabrielle Law, PharmD

Walgreens at Community Hospital North, Indianapolis, IN

Project Title: EA Curriculum Review of Diabetes Device Technology Education at Colleges of Pharmacy in the United States

Incentive Grant Project Result

Gabrielle aimed to quantify the extent to which diabetes device technology is taught in schools/ colleges of pharmacy (SCOP) in the United States, in addition to her secondary objective of identifying reasons why pharmacy programs may not provide learning opportunities related to diabetes device technology.

Her research found that 94.2% of responding SCOP reported including diabetes device technology within their curriculum, with it being to students most frequently in pharmacy skills labs. 38.5% of programs reported providing education related to diabetes device technology to students annually. Exams and quizzes were found to be the most popular methods SCOP used to evaluate students on their knowledge and skills related to diabetes device technology. Although almost all programs

were able to integrate diabetes device technology into their curriculum, half of the programs identified having difficulties in developing, maintaining, or providing this information to their students. Crowding in the curriculum was the most frequent issue reported, with lack of demonstration devices also contributing to the issue.

Since pharmacists in the community setting are well-positioned to provide education to patients on diabetes device technology, this study helped to solidify the fact that most SCOP curricula do include proper training of students in this area. However, lack of demonstration devices proves to be an issue for SCOP. A potential solution identified was creating partnerships between device manufacturers and SCOP to provide the devices, ensuring this barrier to education is eliminated. Additionally, continuing education opportunities on diabetes device technology may be useful for current practicing pharmacists.



Carrie Lynch, PharmD

Hawthorne Pharmacy

Columbia, SC

Project Title: Pharmacist Perceptions and Willingness to Initiate COVID-19 Point-of-Care Testing in an Independent, Community Pharmacy Setting



Ariel McDuffie, PharmD

PrimaryOne Health

Columbus, OH

Project Title: Evaluation of Pharmacist-Led Telehealth Smoking Cessation Services in a Primary Care Setting Research Protocol

Alexander Maciejewski, PharmD

Albertsons: Jewel-Osco

Darien, IL

Project Title: PROvision of a Vaccine EDucation IntErvention for Community Pharmacists: Recommendations for People Living with HIV (PROVIDE Study)



Sam Miller, PharmD

Equitas Health

Columbus, OH

Project Title: BreatheOut: Effectiveness and Feasibility of a Pharmacist-Led Culturally-Tailored Tobacco Cessation Program for Transgender and Gender Diverse Patients



Madison McDonald, PharmD

Greenwood Pharmacy

Waterloo, IA

Project Title: Evaluation of barriers and facilitators to providing point-of-care HIV screening in the community pharmacy setting



Dana Nelson, PharmD

Medicine Mart Pharmacy of West Columbia

West Columbia, SC

Project Title: Pandemic preparedness among community pharmacists across South Carolina



Austin-Phong Nguyen, PharmD
Safeway Pharmacy

Lafayette, CA

Project Title: Evaluating Community Pharmacists' Perceptions of Pharmacist Consultation Services for Pharmacogenomic Tests



Danya Horchi Wilson, PharmD
Kroger Pharmacy

Nashville, TN

Project Title: Impact of a Pharmacist-led Adherence Intervention Program on Primary Medication Non-Adherence Among Four Chronic Disease States in One Regional Division of a Large Community Pharmacy Chain

Dara Nguyen, PharmD
Ralphs Community Pharmacy
Placentia, CA

Project Title: Determining the Impact of Motivational Interviewing Skills on Technician-Completed Medication Synchronization Enrollment



Evan Young, PharmD
Mathes Pharmacy and Diabetes Center

New Albany, IN

Project Title: Pharmacy Student Self-Perceived Confidence and Readiness to Provide Diabetes Counseling and Education in the Community Pharmacy Setting



Katelyn Wees, PharmD
HealthLinc, Inc.

Valparaiso, IN

Project Title: Community Health Workers and Pharmacists: An Assessment and Proposed Model for Integration



2020 Recipient:

Molly A. Nichols, PharmD, MATS

Walgreens at Community Hospital North, Indianapolis, IN

Project Title: Community Pharmacist Preceptors and Their Knowledge, Experience, and Perceived Intent to Recommend Cannabidiol Products for Patient Use

Incentive Grant Project Result

Former Incentive Grant recipient, Molly A. Nichols, PharmD, MATS, was awarded federal funding through the Agency for Healthcare Research and Quality in order to create a shared pharmacy school curriculum on opioid use disorders.

"The research I have conducted with funding from APhA Incentive Grants has been essential to my development as a health-services researcher. In addition to gaining foundational experience in survey methodology and data analysis, I also built valuable and transferable grantsmanship skills for my F32

proposal. I am incredibly grateful for the support from both the APhA Foundation and my research project mentors, Drs. Margie Snyder and Monica Miller."

Daniel A. Herbert Incentive Grant

The Daniel A. Herbert Incentive Grant is distributed under the Incentive grant for Practitioner Innovation in Pharmaceutical Care awards program. Established by Daniel A. Herbert (1943-2004), the grant is awarded annually to a community pharmacy resident or recent pharmacy graduate who is working to expand pharmacy services for which pharmacists are compensated.



Letoia Clark, PharmD

PGY1 Community-Based Pharmacy Resident with the University of Missouri Kansas City School of Pharmacy.

Project Title: The COVID-19 Vaccine Conundrum - An Assessment of Vaccine Hesitancy Amongst Patients at a Federally Qualified Health Center

Incentive Grant Project Result

Letoia's goal with this study was to determine if there is a correlation between vaccine hesitancy and epidemiologic factors, and identify perceived patient-reported barriers associated with receiving a COVID-19 vaccine.

When this study was being conducted in late 2020 to early 2021, a majority of anonymous patients felt very strongly about either receiving the COVID-19 vaccine (28.2%) or not receiving it (29.7%). This showed that opinions on the vaccine were highly polarized in both directions. The study found that there was a significant difference between races regarding their interest in receiving a COVID-19 vaccine, with Black participants more likely to respond as being very strongly against receiving the vaccine compared to Caucasian and Hispanic participants. The most frequently reported barrier to receiving a COVID-19 vaccine was attributed to concern for side effects.

The data collected in this study highlights the need for public education about vaccines in order to encourage widespread administration, with special focus on vulnerable or mistrusting populations. Remaining empathetic to patients' choices is a key factor in boosting vaccine confidence.

2021 Practitioner Innovation in Immunization Practices Incentive Grant Recipients

In 2021, the Immunization Incentive Grants were underwritten through the APhA Foundation Immunization Fund. These grants allow practitioners and student pharmacists to explore innovations specifically designed to improve immunization-related practices and engagement within immunization neighborhoods.



Kevin Cleveland, PharmD

*Idaho State University College of Pharmacy
Meridian, ID*

Project Title: Advancing the Education and Fostering Utilization of Immunization Information Systems through Student Pharmacists



Kristine Hoang, PharmD

*Tennessee Pharmacists Association
Nashville, TN*

Project Title: Developing Patient Communications for Pharmacist-Administered COVID-19 Vaccines

Investing in the Future of Pharmacy

The APhA Foundation Student Scholarship Program

APhA Foundation donors make an investment in the future of pharmacy by funding scholarships for the next generation of leaders. The APhA Foundation Student Scholarship Program continues to provide meaningful scholarship money to student pharmacists across the country. Year after year, the impact that these scholarships have on students is significant. Students have told us that this money helps them to reduce loans, afford attendance at pharmacy conferences, and allow for other educational opportunities in which they otherwise could not partake.

The 2021 APhA Foundation scholarships were awarded to 19 deserving student pharmacists to encourage and support them on their journey to a rewarding pharmacy career.

Two new scholarships were also introduced:

Elizabeth Keyes Scholarship **Tom Menighan Leadership Scholarship**

The inaugural scholarship recipients will be selected during the 2022 cycle.



2021 Scholarship Recipients



Aliya Abdulla

University of Georgia College of Pharmacy
Paul Pumpian Scholarship



Brittany Allen

Albany College of Pharmacy and Health Sciences
Hamilton, Harris, And Tucker APhA-ASP Chapter
President Scholarship



Sidrah Alam

Shenandoah University School of Pharmacy
Pharmacists Mutual Community Pharmacy Scholarship



Jane Beyer

University of Missouri - Kansas City School of Pharmacy
Theodore G. Tong Scholarship



Megan Alhadeff

Oregon State University College of Pharmacy
Pharmacists Mutual Community Pharmacy Scholarship



Cassandra Darling

Lake Erie College of Osteopathic Medicine
Colonel Jerry W. Ross Scholarship



Madilyn Eberle

Purdue University College of Pharmacy

John A. Gans Scholarship



Mohammad Kaker

Shenandoah University School of Pharmacy

George F. Archambault Scholarship



Kennedy Erickson

*Washington State University College of
Pharmacy and Pharmaceutical Sciences*

Pharmacists Mutual Community Pharmacy Scholarship



Neha Nadkarni

*Rutgers, The State University of New Jersey
Ernest Mario School of Pharmacy*

Tery Baskin Scholarship



Elise Illius

*The University of Toledo, College of
Pharmacy and Pharmaceutical Sciences*

Robert D. Gibson Scholarship



Erica Paterson

*Lipscomb University College of
Pharmacy and Health Sciences*

Boyle Family Scholarship



Thayra Rios Schad

University of South Carolina
College of Pharmacy

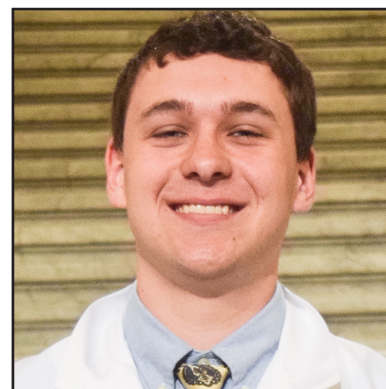
Mary Munson Runge Scholarship



Isabelle Tharp

Drake University College of
Pharmacy and Health Sciences

Gloria Francke Scholarship



Ryan Waldschmidt

Ohio Northern University Raabe
College of Pharmacy

**Pharmacists Mutual Community
Pharmacy Scholarship**



Ashlyn Tedder

University of Arkansas for Medical
Sciences College of Pharmacy

APhA Foundation Scholarship



Jenee Vo

Loma Linda University
School of Pharmacy

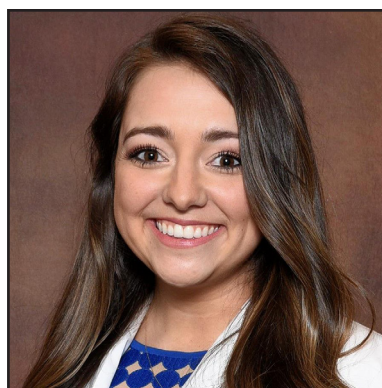
**Pharmacists Mutual Community
Pharmacy Scholarship**



Toobah Wali

University of the Sciences/Philadelphia
College of Pharmacy

Juan and Esperanza Luna Scholarship



Alex Wallace

University of Tennessee College of Pharmacy

Charles C. Thomas Scholarship

WHERE THEY ARE NOW

The Knowlton Center for Pharmacist-Based Health Solutions: Executive Fellowship in Association Management & Leadership

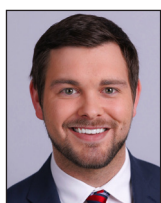
Since the program launched 2008, the Executive Fellowship in Association Management & Leadership has trained 14 individuals for leadership positions within the profession and in national, regional, state, and local professional pharmacy and/or other health-related organizations.

Learn more at aphafoundation.org/knowlton-center.



Olivia Welter, PharmD
(2021 – 2022)

Current Position: Executive Fellow at APhA Foundation



Drew Register, PharmD
(2016 – 2017)

Current Position: Associate Director of Membership Engagement and Communications at American Pharmacists Association



Farah Towfic, PharmD, MBA
(2011 – 2012)

Current Position: Director of CEO Operations at United States Pharmacopeia



John Little, PharmD
(2020 – 2021)

Current Position: Research and Innovation Project Management Specialist at APhA Foundation



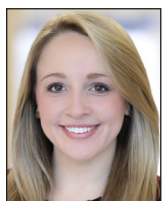
Brian Donahue, PharmD
(2015 – 2016)

Current Position: Medical Science Liaison representing Moderna



Lindsay Kunkle, PharmD, MBA
(2010 – 2011)

Current Position: Clinical Program Development Manager at Kroger Health



Meg Freiter, PharmD
(2019 – 2020)

Current Position: Senior Manager of Pharmacy Practice at American Pharmacists Association



Brian Wall, PharmD
(2014 – 2015)

Current Position: Director of APhA Governance & Foundation Administration at American Pharmacists Association



Megan Coder, PharmD, MBA
(2009 – 2010)

Current Position: Executive Director at Digital Therapeutics Alliance



Rajan Vaidya, PharmD
(2018 – 2019)

Current Position: Vice President of Practice & Professional Development at California Pharmacists Association



Ryan Burke, PharmD
(2013 – 2014)

Current Position: Director of Professional Affairs at Pharmacy Technician Certification Board



Brian Lawson, PharmD
(2008 – 2009)

Current Position: Associate Executive Director at Board of Pharmacy Specialties



Jing Wu, PharmD, MPH
(2017 – 2018)

Current Position: Account Executive at Esri



Krystalyn Weaver, PharmD, JD
(2012 – 2013)

Current Position: Associate at Sidley Austin LLP

The APhA Foundation Knowlton Center Executive Fellow in Association Management and Leadership

The Association Management program was created with a generous grant by The **Calvin and Orsula Knowlton Foundation** through the APhA Foundation Knowlton Center for Pharmacist-Based Health Solutions.

Olivia Welter, PharmD is the 2021-2022 **APhA Foundation Knowlton Center Executive Fellow in Association Management and Leadership**.



Olivia Welter, PharmD

“

Reflecting on my Executive Fellowship with the APhA Foundation about halfway through the program, I recognize that I've learned more than I could have imagined. Program and project management have been key aspects of the Executive Fellowship, and I've developed numerous strengths in this area thus far while leading our Pinnacle Awards, Incentive Grants, and Student Scholarship programs. I've also been able to work with our Board of Directors in building the Women in Pharmacy Committee from the ground up, which has been an invaluable experience for my own development as a professional. One of my favorite parts of this Fellowship is connecting with pharmacy leaders – whether they be students, new practitioners, or pharmacists who have been engaged with APhA for years – because they each have individual perspectives on practice initiatives and the future of pharmacy. Through these connection opportunities, I've developed several new mentorship relationships which I hope to maintain for years to come. In addition, learning more about how nonprofit and charitable organizations operate will be integral as I transition into the next step of my career. I aim to establish myself in an association management role even following this postgraduate training experience, and plan to continue my learning and engagement with stakeholders over the last few months while completing the Fellowship. Thank you to the APhA and APhA Foundation staff who see the value in investing time to train learners like me!

”



Kennedy Erickson
*Washington State University
 College of Pharmacy and
 Pharmaceutical Sciences*

Carl F. Emswiler Internship in Association Management

The Carl F. Emswiler Internship in Association Management (formerly the APhA Summer Internship in Association Management) was established in 2010 with a fund initiated by Jewell Emswiler to honor her husband, Carl, and his innuerable contributions to pharmacy.

Student pharmacists who are selected to participate in the internship learn about the many aspects of pharmacy practice and professional organizations, and their activities will have a special emphasis on collaborative practice, which was an integral part of Emswiler's career.

Dennis and Patricia Worthen APhA-ASP Presidential Award

The Dennis and Patricia Worthen APhA-ASP Presidential Award was established in 2003. This award recognizes the tremendous leadership provided to student pharmacists by the President of APhA-ASP during his or her term in office. Furthermore, the award recognizes the significant personal and professional commitment by the president and president-elect of APhA-ASP to advance the profession of pharmacy. The individual is awarded a \$1,000 stipend along with a mounted eagle statue. The APhA-ASP Presidential award also recognizes the president-elect with a \$500 stipend.



Juan Rodriguez
 2021-2022
 APhA-ASP President
*University of Tennessee
 College of Pharmacy*



Kennedy Erickson
 2021-2022
 APhA-ASP President-Elect
*Washington State University
 College of Pharmacy and
 Pharmaceutical Sciences*

The **APhA Foundation Pinnacle Awards Program and Innovations in Pharmacy Practice Lecture** were held virtually on September 27. Now in its 24th year, the Award highlights innovative pharmacist-led activities and efforts to optimize medication use and the engagement of pharmacists and the pharmacy team to create healthier communities.

Support for the Pinnacle Awards Program is provided by an educational grant from Merck and APhA Foundation donors.

Pinnacle Award recipients are chosen in three categories, and each receive a crystal eagle statuette to signify their accomplishments.

2021 Pinnacle Awards Selection Committee:

Laura Carpenter, *Chair*

Gregory Baker ~ Lawrence "LB" Brown ~ John Sykora ~ Wendy Weber

CATEGORY I:

2021 Individual Award for Career Achievement



Jeanine P. Abrons, PharmD, MS, FAPhA

Internationally, I want to express my sincerest thanks to many of my international partners, (especially those in Domonica)...and so many others. And to my amazing team that helps me engage in the work that we do – thank you. Locally, I could not find more fulfillment than working with the University of Iowa Mobile Clinic. And (also) a special thank you to the University of Iowa College of Pharmacy; and to my biggest support team – my family. ...I am humbled and honored to be the 2021 recipient of the Pinnacle Award.

CATEGORY II:

2021 Group Practice–Health System–Corporation Award



University of Michigan Health

We are honored to be awarded the Pinnacle Award by the APhA Foundation for our University of Michigan Health Hypertension Pharmacists' Program. High blood pressure is one of the key modifiable risk factors for preventing heart attacks and strokes and it gives us immense joy to demonstrate having a pharmacist play an active role in hypertension management can improve blood pressure control.

CATEGORY III:

2021 Government Agency–Nonprofit Organization–Association Award



University of Pittsburgh School of Pharmacy in partnership with Pennsylvania Pharmacists Association, Pennsylvania Pharmacists Care Network, and Value Drug

The University of Pittsburgh School of Pharmacy, in partnership with the Pennsylvania Pharmacists Care Network (PPCN), Pennsylvania Pharmacists Association, CPESN USA, and Value Drug Company, is proud to be recognized with the over 170 pharmacy locations throughout Pennsylvania for the 2021 APhA Foundation Pinnacle Award. The development of the Pennsylvania Pharmacist Care Network dating back to 2008 began with a series of projects and numerous pharmacists, students, residents, faculty and staff who all shared the deep commitment to serve the people in Pennsylvania communities. Our sincere thanks to our health plan partners, the Pennsylvania Department of Health, the Community Pharmacy Foundation, the seven Pennsylvania schools of pharmacy and the Pennsylvania Pharmacists Association Boards of Directors from 2008-2021 who have all put their commitment to patient care into action through the support of the development and growth of PPCN.

The Pinnacle Awards Innovations in Pharmacy Practice Lecture was delivered by



Melissa Somma McGivney, PharmD, FCCP, FAPhA

Professor and Associate Dean for Community Partnerships, University of Pittsburgh School of Pharmacy

For the 2021 APhA Foundation Pinnacle Awards Innovations in Pharmacy Practice Lecture, Melissa Somma McGivney from Pennsylvania Pharmacists Care Network (PPCN) presented several lessons learned by her team in creating a network of pharmacists and entering into payor contracts.


The Lecture and summary document, pictured to the right, can be viewed at <https://www.aphafoundation.org/2021-innovations-pharmacy-lecture>.

During her lecture, Melissa presented several lessons learned by her team in creating a network of pharmacists and entering into payor contracts.

Achieving Practice Transformation & Taking Steps to Achieve Recognition

For the 2021 APhA Foundation Pinnacle Awards Innovations in Pharmacy Practice Lecture, Melissa Somma McGivney from Pennsylvania Pharmacists Care Network (PPCN) presented several lessons learned by her team in creating a network of pharmacists and entering into payor contracts.

Watch the full lecture here:
<https://www.aphafoundation.org/2021-innovations-pharmacy-lecture>

1. DOCUMENT Documenting need and interest as expressed by stakeholders is important. Surveying pharmacists statewide supplied the group with data that supported their goal of creating a care network.	7. PREPARE Evaluating documentation systems and practice designs should happen prior to securing payor contracts. These steps will be necessary in demonstrating preparedness for the project.
2. PARTNER Working across pharmacy partners, including academia and health systems, amplifies reach. Leaders in varying areas of practice can promote ideas to their colleagues and garner interest.	8. SHARE SUCCESS Learning together about successes will help advance pharmacy practice and patient care more quickly.
3. GATHER INPUT Gathering input nationwide will lead to innovation locally. Learning perspectives on how different organizations partnered with employers influenced the next steps of the care network.	9. ENGAGE STUDENTS Student-led teams are beneficial for maintaining communication channels due to students' connectivity with local pharmacies. This provides students with key learning experiences and opportunities to develop as leaders.
4. CONSIDER GRANTS State Departments of Health & CDC grant opportunities can serve as connectors to funding and state leaders. These grants opened doors for the care network to partner with payors in PA, and take quick action during the pandemic to start vaccinating the public.	10. USE YOUR NETWORKS A practice network can be additionally used to establish a research network. When data can cycle back to pharmacists in real time, it allows for quick turnaround in improving patient care.
5. BRIDGE THE PROFESSION Pharmacist-to-pharmacist connections across practice settings are critical to success. These connections created personal opportunities for the care network to involve additional partners.	11. WORK TOGETHER Real change takes all of us: a common vision and a willingness to steadfastly work toward achieving that vision. Celebrate successes with each other along the way.
6. EDUCATE Creating educational opportunities, like residencies and fellowships, facilitates practice transformation. A resident helped share value in having a permanent manager of the network.	 www.aphafoundation.org/donate

2021 JACOB W. MILLER AWARD

The eponymous Jacob W. Miller Award was established in 2000 commemorating the former APhA Foundation President. The award is given in recognition of individuals who work to move the APhA Foundation's mission forward through active involvement in our programs, support of our initiatives or leadership in carrying out our mission.

Susan C. Winckler, RPh, JD is the 2021 Jacob W. Award recipient. She was presented with the award at the APhA Foundation's Innovation Celebration program during the APhA2021 Virtual Annual Meeting and Exposition.

Winckler is CEO of the Reagan-Udall Foundation for the Food and Drug Administration. A pharmacist and attorney by training, she has utilized her pharmacist training to shape policy regarding optimal use of medication. Immediately prior to joining the Reagan-Udall Foundation in May of 2020, Winckler served as President of Leavitt Partners Solutions, a national healthcare strategy firm led by former US Health and Human Services Secretary Michael O. Leavitt. Winckler served as Chief of Staff at FDA from 2007-2009, managing the Commissioner's Office and serving both Republican and Democratic commissioners as their senior-most staff adviser. Prior to leading Leavitt Partners Solutions, she held top posts at the Health Care Transformation Task Force and the Food & Drug Law Institute. Much of her early career was invested in serving on the staff at APhA.



Susan C. Winckler

“ The Foundation is often at the forefront of innovation in our profession, and I am proud to have benefitted from, and contributed to, the Foundation's work,” said Winckler. “Its spirit of experimenting with new concepts, evaluating the performance of those concepts, and adapting to the changing environment has, and will continue to serve our profession well. I look forward to seeing “what's next” on the Foundation's horizon. ”

Involving Communities

The Bowl of Hygeia Award is the most widely recognized international symbol for the pharmacy profession and recognizes pharmacists who possess outstanding records of civic leadership roles in their communities in all 50 states, Puerto Rico and the District of Columbia.

The APhA Foundation is pleased to partner with the National Alliance of State Pharmacy Associations (NASPA) to honor the 2021 Bowl of Hygeia Award recipients.

2021 RECIPIENTS OF THE BOWL^{of} HYGEIA A W A R D



The Bowl of Hygeia award program was originally developed by the A. H. Robins Company to recognize pharmacists across the nation for outstanding service to their communities. Selected through their respective professional pharmacy associations, each of these dedicated individuals has made uniquely personal contributions to a strong, healthy community. We offer our congratulations and thanks for their high example. The American Pharmacists Association Foundation, the National Alliance of State Pharmacy Associations and the state pharmacy associations have assumed responsibility for continuing this prestigious recognition program. All former recipients are encouraged to maintain their linkage to the Bowl of Hygeia by emailing current contact information to awards@naspa.us. The Bowl of Hygeia is on display in the APhA History Hall located in Washington, DC.

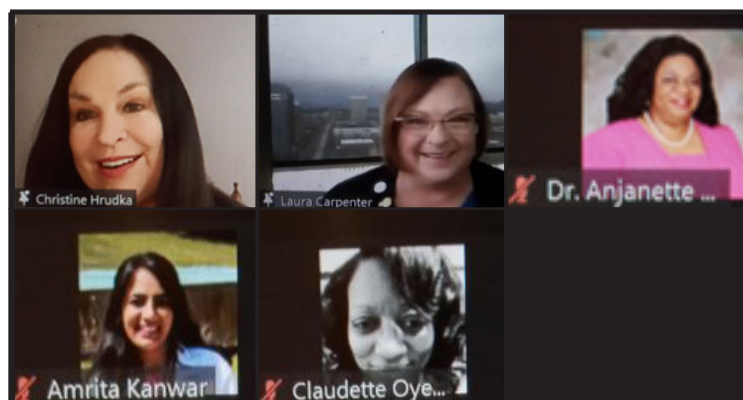
IN 2021, the APhA Foundation continued to embrace the challenges of our virtual landscape. We remotely networked, mentored, educated, partnered, awarded, and celebrated the enormous role pharmacists play in improving patient health outcomes in their communities and nationwide.

In addition to the featured stories within the annual report, here are a few more activities that happened throughout the year.

MARCH

Women in Pharmacy Leadership Development Forum

One of the Foundation's most well-attended events during the APhA2021 Virtual Annual Meeting and Exposition, the forum addressed issues of greatest importance to women pharmacists. Featured speaker, **Christine J. Hrudka**, BSP, ICD.D. examined existing barriers to senior leadership, successfully navigating career transitions and strategies to pursuing work/life balance. **Laura Carpenter**, APhA Foundation Board Director, served as moderator. Bristol-Myers Squibb (BMS) was the event sponsor.



PANELISTS: **Marialice Bennett**, BS Pharm, FAPhA; **Kelly Goode**, PharmD, BCPS, FAPhA, FCCP; **Eugene Lutz**, BSPharm, FAPhA; **Matthew Osterhaus**, BSPharm, FAPhA, FASCP; **Steve Simenson**, BSPharm, FAPhA, FA

MODERATOR: **Benjamin Bluml**, RPh

Innovator's Forum

The Innovator's Forum, at the APhA2021 Virtual Annual Meeting and Exposition, featured a panel discussion with a group of pharmacists who, **25 years** ago, participated in the inaugural Project IMPACT: Hyperlipidemia training class in Nashville, TN. The group explored past, present, and future practice transformation innovations aimed at catalyzing efforts for inventing the preferred future pharmacists seek in healthcare delivery.

AUGUST

Vaccination from the Misinformation Virus

The APhA Foundation, APhA, and NASPA presented the documentary, **Vaccination from the Misinformation Virus**, in commemoration of National Immunization Awareness Month.

The virtual screening was followed by a Q & A with **John Grabenstein**, RPh, PhD, ScD (Hon), president of Vaccine Dynamics and **Rear Admiral (Ret) Pamela Schweitzer**, PharmD, BCACP, former Assistant U.S. Surgeon General.



OCTOBER

Women in Pharmacy Day

The newly established APhA Foundation Women in Pharmacy Committee held its first event during American Pharmacists Month and in recognition of Women Pharmacist Day. **Metta Lou Henderson**, PhD, **Theresa Tolle**, BPharm, FAPhA, and **Kennedy Erickson**, 2023 PharmD Candidate served as panelists. Event moderator, **Elizabeth Johnson**, Chair, APhA Foundation Women in Pharmacy Committee and Foundation Board Director fielded questions from the close to 130 attendees.



Women in Pharmacy

Women in Pharmacy: Remembering our Past, Committing to our Present and Investing in our Future

A Virtual Panel Discussion
featuring:

Metta Lou Henderson, PhD
Theresa Tolle, BPharm, FAPhA
Kennedy Erickson, 2023 PharmD Candidate

Moderated by Elizabeth Johnson, PharmD
Chair, APhA Foundation Women in Pharmacy Committee

October 20, 2021
7:00 p.m. - 8:00 p.m. (ET)

APhA FOUNDATION

December

A Jolly Good Time

The adage "Pharmacists are Phun" was realized during the APhA Foundation's holiday event. It was an evening of virtual trivia inviting all to test their wits on a variety of categories and topics.

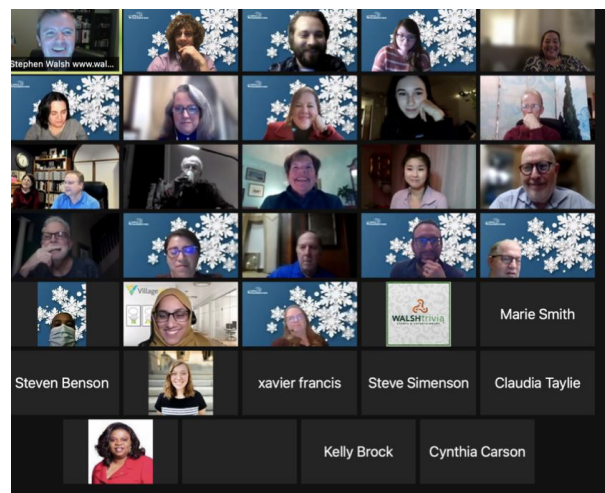
APhA FOUNDATION

The APhA Foundation invites you to our holiday event

A Jolly Good Time
Tuesday, December 14, 2021
6:30pm - 7:30pm EST

Hosted by:
Stephen Walsh
Walsh Trivia

Join us for an evening of virtual trivia, testing your wits on a wide variety of categories and topics that is sure to be fun!



REMINGTON ENDOWMENT

SHAPE THE FUTURE, HONOR THE PAST

The Remington Endowment (aphafoundation.org/remington) is a two-part initiative. The first component of the endowment ensures the Remington Honor Medal and tradition of recognizing pharmacy's highest honor continues into the future. The Remington Forum for Innovation is the second component of the endowment which gathers pharmacy's greatest minds to mobilize pharmacists and key stakeholders to address our nation's healthcare challenges and advance medication use safety.

We are grateful to all donors through 2021 for their support to the Remington Endowment.

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Every effort has been made to ensure the accuracy of this list. If you notice an error or omission, please contact Cynthia Carson at ccarson@aphanet.org and she will be pleased to make adjustments.

1953 Society 2021 Contributors



We thank our 1953 Society members whose leadership contributions are instrumental to advancing pharmacy achievements, including galvanizing the support of national healthcare organizations in promoting pharmacists as a key member of the patient care team.

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2021 Contributors

This list celebrates the generosity of contributors to the APhA Foundation. We are honored to recognize those who provided financial contributions or their time and talents as a volunteer in 2021. Thank you for supporting our work and helping to continue our programs and resources for the pharmacy profession.



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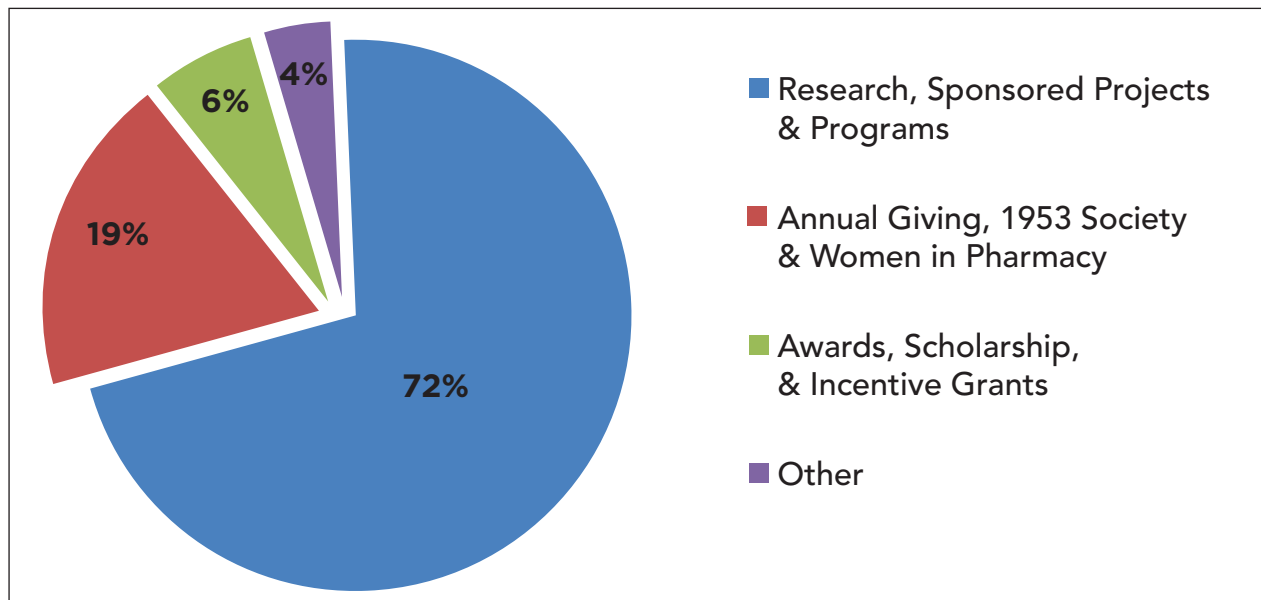
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Research, Sponsored Projects & Programs	72%	\$ 1,732,330
Annual Giving, 1953 Society & Women in Pharmacy	19%	451,190
Awards, Scholarship, & Incentive Grants	6%	134,826
Other	4%	86,372
		<u>\$ 2,404,718</u>

STATEMENT OF FINANCIAL POSITION

	December 31,	
	2021	2020
Total Assets	<u>\$ 7,176,986</u>	<u>\$6,086,712</u>
Total Liabilities	658,369	349,030
Net Assets:		
Without Donor Restriction	751,480	464,427
With Donor Restriction	<u>5,767,137</u>	<u>5,273,255</u>
Total Liabilities & Net Assets	<u>\$ 7,176,986</u>	<u>\$6,086,712</u>

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