

APhA2022 CONTRIBUTED PAPERS PROGRAM

CALL FOR ABSTRACTS

SUBMISSION DEADLINE: WEDNESDAY, OCTOBER 6, 2021 · 5:00 PM ET
American Pharmacists Association
Annual Meeting and Exposition
March 18-21, 2022
San Antonio, TX

Visit www.aphameeting.org to submit an abstract or obtain detailed program information.



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IMPORTANT SUBMISSION INFORMATION

Use only your pharmacist.com email address. The abstract system uses single sign-on based on your pharmacist.com email address and password. If you do not recall your username and password, go to pharmacist.com and click on Login to retrieve your username and password. You can also update your username and password if necessary. The system will not send emails to alternate email addresses and you will miss valuable information and access to your abstracts.

GENERAL INFORMATION

The APhA Contributed Papers Program is an important element of APhA's educational programming for pharmacists. This program challenges practitioners, scientists, researchers, pharmacy residents, faculty/preceptors, student pharmacists, and graduate students by providing a forum in which to share practice information, disseminate research findings, and educate colleagues.

Invited Subject Matter

All investigators are invited to submit abstracts on topics pertaining to pharmacy practice and pharmacy-focused scientific research. Projects must address issues relevant to practicing pharmacists and pharmaceutical scientists. When submitting an abstract, you will be asked to submit it as one of the following abstract types:

- Contributed Research Paper
- Innovative Practice Report

Projects that are underway, but not complete, may be submitted for consideration as reports in progress. Alternatively, they may be submitted as encore presentations if they have been previously presented elsewhere.

Additionally, for each submission, investigators must identify:

- The category of the primary (first) author,
- A research area, and
- A topic area.

Steps for Classifying Your Abstract

Step	Action	Options
1	Abstract Title	<ul style="list-style-type: none">• Enter your abstract title using upper and lower case. Do not enter titles in all caps.
1	Select an abstract type	<ul style="list-style-type: none">• Contributed Research Paper• Contributed Research Paper (Report in Progress)• Innovative Practice Report• Innovative Practice Report (Report in Progress)
2	Select the category of the primary (first) author	<ul style="list-style-type: none">• Faculty/Preceptor• Graduate Student/Fellow/Postdoc Scholar• Pharmacy Resident• Practitioner

		<ul style="list-style-type: none"> • Scientist/Researcher • Student Pharmacist
3	Complete Tasks	<ul style="list-style-type: none"> • Complete the following tasks: <ul style="list-style-type: none"> ○ Abstract ○ Tables & Figures ○ Authors ○ Financial Disclosures ○ Program Policies
3a	Abstract	<ul style="list-style-type: none"> • Select topic area • Encore presentation (yes/no) • Award consideration • Research Area (APhA-APPM, APhA-APRS Basic, APhA-APRS Clinical, APhA-APRS ESAS) • Objectives, Methods, Results, Conclusions
3b	Tables and Figures	<ul style="list-style-type: none"> • Upload any tables or figures in support of your abstract (optional, but you must either upload tables or check the box stating that you do not have additional files to upload)
3c	Authors	<ul style="list-style-type: none"> • Enter all of your authors, noting their role(s)
3d	Financial Disclosures	<ul style="list-style-type: none"> • Enter the financial disclosures for all of your authors
3e	Program Policies	<ul style="list-style-type: none"> • Read and affirm the program policies.

Details regarding these categories and areas are provided on the following pages and are followed by instructions for writing and submitting an abstract, and an overview of the review process. All submissions will be considered for poster presentations. Submissions in the Basic Sciences, Clinical Sciences, and ESAS research areas may be considered for a podium or oral poster presentation.

STEPS FOR CLASSIFYING YOUR ABSTRACT

Step 1. Select an abstract type

Contributed Research Papers

- Abstracts must present the findings of original scientific research using quantitative or qualitative analysis that is relevant to practicing pharmacists and pharmaceutical scientists.
- Acceptable research areas include but are not limited to: basic sciences; clinical sciences; economic, social, and administrative sciences; clinical/practical implementation and practice management; or educational research. Specific topics could include drug metabolism, education/pedagogy, health services, medication safety, patient/population outcomes, pharmacokinetics, pharmacodynamics, pharmacoconomics, pharmacoepidemiology, pharmacogenomics, pharmacology, or pharmacotherapy.
- Data collection must be completed by the abstract submission date of **October 6, 2021**, accompanied by appropriate implication/conclusions. Projects that do not have completed results and conclusions at the time of the submission should be submitted as a Report in Progress (see below).

Innovative Practice Reports

- Abstracts must describe a new idea or strategy for the delivery of patient care, including those that are new to the practitioner's region, system, or practice setting, or a creative application of existing techniques or services.
- Projects must be completed by the abstract submission date of **October 6, 2021**, accompanied by appropriate implication/conclusions. Projects that do not have completed results and conclusions at the time of the submission should be considered as a Report in Progress (see below).

Reports on Projects in Progress – Contributed Research Papers or Innovative Practice Reports

- Submissions may be Contributed Research Papers or Innovative Practice Reports that are in progress but not yet complete, summarizing the project and plan for completion.
- Investigators (students, pharmacy residents, graduate students, scientists/researchers, faculty/preceptors, and practitioners) must be in the process of collecting data or implementing an innovative practice. Due to the residency timeline, current pharmacy residents do not have to be in the process of collecting data when they submit their abstracts.
- Data collection/projects must be initiated by the abstract submission date of October 6, 2021, must be completed by **March 1, 2022**, and results, implications, and conclusions should be presented at APhA2022.

Encore Presentations – Contributed Research Papers or Innovative Practice Reports

- Abstracts must meet the submission and evaluation criteria for original papers submitted to APhA, with the exception that the paper has been previously presented at a local, state, or national meeting within 12 months of the submission deadline.
- Abstracts must include the original citation.

Step 2. Select the category of the primary author

Select the category that best describes the primary author's status at the time the research was conducted (e.g., Practitioner, Scientist/Researcher).

Faculty/Preceptor

Individuals who are involved in the education and training of student pharmacists at schools and colleges of pharmacy, and individuals who precept student pharmacists and pharmacy residents.

Pharmacy Resident

Current pharmacy residents are invited to submit abstracts in this category. Pharmacy residents whose projects are not completed prior to the abstract submission must submit in the Projects in Progress category to be eligible to participate in the APhA–APPM Presentation Merit Award competition. Due to the residency timeline, current pharmacy residents do not have to be in the process of collecting data or have completed the project upon abstract submission. **Abstracts submitted in the Pharmacy Resident category must list the pharmacy resident as the primary/first author and include contact information for the residency director.**

Postgraduate Student / Fellows / Postdoctoral Scholar

Postgraduate students who are pursuing a MS or a PhD degree, fellows, and postdoctoral scholars are invited to submit abstracts on projects involved in discovery, integration or application of knowledge in the pharmaceutical sciences to improve patient health. **Abstracts submitted in the postgraduate student category must list the student as the primary/first author.**

Practitioner

Pharmacists involved in delivering, managing or educating about pharmacist-provided services related to patient care outcomes and/or research. **If you are currently a pharmacy resident, submit under the Pharmacy Resident category, not under Practitioner.**

Scientist/Researcher

Researchers involved in discovery, integration, or application of knowledge in the pharmaceutical sciences to improve patient health. Individuals conducting research in the pharmaceutical sciences, clinical sciences, or economic, social, and administrative sciences may submit abstracts in this category.

Student Pharmacist

Student pharmacists who are pursuing a PharmD degree are invited to submit abstracts on projects undertaken during pharmacy-related studies in this category. **Abstracts submitted in this category must list the student pharmacist as the primary/first author and include contact information for the student's advisor. The advisor will be notified upon submission of the abstract. IF THE ADVISOR IS A CO-AUTHOR, INCLUDE THE ADVISOR AS A CO-AUTHOR WHEN YOU COMPLETE THE AUTHOR LISTING. OTHERWISE, THE ADVISOR WILL NOT BE LISTED AS A CO-AUTHOR.**

Step 3. Select a research area

Select the research area that best describes the domain of pharmacy research represented in your abstract. Your selection will determine the composition of the review team assigned to evaluate your abstract. The research areas are:

APhA-APPM: Practice-Based Pharmacy

This research area includes projects involving pharmacists practicing in a variety of patient care settings, such as health-system inpatient, community pharmacy, ambulatory clinic, integrated care setting, long-term care, managed care, and physician office practice. Research projects that address the development and implementation of pharmacist-provided patient care services may be included in this area.

APhA-APRS: Basic Sciences

The basic sciences research area includes wide-ranging basic science research projects from academia, government, and industry. Research topics may include chemical structure/biological activity and chemical structure/physicochemical property relationships, concepts in pharmaceutical technology, biotechnology, and drug delivery, and the basic chemistry on which these areas are founded.

APhA-APRS: Clinical Sciences

Research in clinical sciences includes unique multidisciplinary interactions between clinical scientists and practitioners committed to expanding knowledge of the safe and effective use of medications. Research projects addressing the development and evaluation of drugs and biologics in health care settings and controlled research environments may be included in this area.

APhA-APRS: Economic, Social, and Administrative Sciences (ESAS)

The ESAS research area is intended for projects in health services research, policy, and administration with application to medications and patient care. ESAS is multidisciplinary, including the fields of public health, epidemiology, economics, health services research, outcomes research, biostatistics, medical sociology, law, health care administration and management, operations research, pharmaceutical marketing, marketing research, technology assessment and applications, and public and private reimbursement programs. The audience includes scientists, educators, practitioners, government managers, and other health care system representatives.

Step 4. Select a topic area

Select a topic area from the list on the online abstract submission site. This list is meant to be as inclusive as possible; however, if your abstract does not fit into one of the topic areas listed, please use the "Emerging Topic" designation. The purpose of selecting a topic area is to appropriately group the abstracts both for publication in the Journal of the American Pharmacists Association and for the poster presentations.

WRITING AN ABSTRACT

An abstract is a summary of a project that offers a conclusion based on results.

- Abstracts are limited to 600 words and must include the following sections in sequence:
 - Background/Objective(s)
 - Methods (e.g., design, setting, patients/participants, data collection, analysis plan, or other appropriate qualitative methods)
 - Results (or Preliminary Results for Reports on Projects in Progress)
 - Implications/Conclusions
- Supporting tables and figures
 - Supporting tables or figures may be submitted for all types of submissions including Contributed Research Papers, Innovative Practice Reports, Reports on Projects in Progress, and Encore Presentations. **Do NOT reference or call out the tables and figures in your abstract.** Tables and figures should be self-explanatory and serve to supplement the material in the abstract. Label submitted tables and figures; a brief explanatory legend for a table or figure is optional. The abstract title, tables and figures are not counted toward the 600-word limit.

Accepted abstracts will be published as submitted.

- Use mixed capital and lower-case letters (as appropriate) in the abstract title.
- **Do NOT include any identifying information** such as authors' names, affiliations, and/or site names anywhere in the abstract; this information will be obtained during the online abstract submission process.
- The study's objective should be the first sentence of the abstract.
- The abstract should be clearly worded and concise.
- Graphs, tables, and illustrations are not permitted in the body of the abstract.
- Avoid trademark symbols, subscripts, and superscripts.
- Use standard abbreviations for units of measure; spell out acronyms in full at first mention and abbreviate thereafter.
- Proofread for spelling, grammatical, and typographical errors. Abstracts are published as received.

Pharmacy residents and students should work with their residency director or faculty advisor, respectively, to ensure the best possible abstract submission.

ONLINE SUBMISSIONS

All abstracts must be submitted via APhA's online abstract management system. To access the system, go to the abstract submission site at [XXX](#).

Tips for successful submission:

- Before submitting your abstract, double check the research area and topic area selected to ensure they are correct.
- Give yourself adequate time before the submission deadline to input your abstract into the online system so you have time to resolve any technology issues that might arise.
- Once the abstract is saved as final, it is NOT possible to edit it, nor is it possible to change any category selection. If it is accepted, it will be published exactly as it is submitted.
 - Be certain that your abstract is complete, proofread, and that all the selections you make to categorize your abstract are accurate before finalizing it.
 - Changes cannot be made if the abstract is submitted incorrectly.
 - A confirmation screen will be shown after the abstract is successfully submitted.
- All authors will receive a confirmation email following the final submission of the abstract.

Submission Deadline: Wednesday, October 6, 2021

Abstracts will be accepted until 5:00 pm ET on October 6, 2021. Abstracts will NOT be accepted after this date.

REVIEW PROCESS

All abstracts undergo double-blinded peer review. Each abstract will be evaluated using the evaluation criteria on the following pages. Note that there are separate criteria for Contributed Research Papers, Innovative Practice Reports, and Projects in Progress within each of these categories. Encore presentations should follow the criteria for Contributed Research Paper or Innovative Practice Report, depending on the submission type.

Authors will be notified in January 2022 of the status of their submissions.

PRESENTATION FORUMS

Podium Presentations

All abstracts selected for podium presentations will be delivered during the Day of Science at the 2022 APhA Annual Meeting & Exposition. Prior to the meeting, authors will receive a confirmation letter indicating the date, time, and location of their presentations. Podium presentations are scheduled in 20-minute intervals, with 15 minutes for the presentation and 5 minutes for questions.

Oral Posters

All abstracts selected for oral poster presentations will be delivered during the Day of Science at the 2022 APhA Annual Meeting & Exposition. Prior to the meeting, authors will receive a confirmation email indicating the date, time, and location of their presentations, and details of the oral posters program.

Poster Presentations

Poster presentations provide authors with the opportunity to display and informally discuss their work with colleagues. Abstracts selected for posters will be displayed on Saturday and Sunday during APhA2022 and in a virtual poster gallery.

MEET THE RESEARCHERS

APhA2022 attendees will be encouraged to meet the authors of poster presentations and review this important research. APhA will offer continuing pharmacy education (CPE) credit to meeting attendees who participate in this activity during the Meet the Researchers period on Saturday, March 19, 2022, 12:30 pm–2:30 pm. Authors are required to present their poster at the Meet the Researchers session and must remain at their poster for the entire period.

FINANCIAL DISCLOSURE

Abstract authors are required to disclose all relevant financial relationships. APhA will collect this information from abstract authors during the online submission process.

The Accreditation Council for Pharmacy Education (ACPE) Standards for Commercial Support require that all continuing pharmacy education providers “...be able to show that everyone who is in a position to control the content of an education activity has disclosed to the provider [and therefore the participants] all relevant financial relationships with any commercial interest.” As defined by ACPE, “relevant financial relationships” are financial relationships in any amount occurring within the past 12 months that create a conflict of interest. A “commercial interest” is defined as any entity that produces, markets, resells, or distributes health care goods or services consumed by, or used on, patients. (Providers of clinical services directly to patients are not commercial interests.) Financial relationships are those in which the individual—or the individual’s spouse or partner—benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, or other financial benefit.

Authors who have no relevant financial relationships must state that they have nothing to disclose.

CRITERIA FOR EVALUATING SUBMITTED ABSTRACTS

Abstracts submitted to the APhA Contributed Papers Program will be evaluated according to the following criteria (note that the criteria are listed for each type of submission):

Contributed Research Paper Evaluation Criteria

- 1. Relevance/Originality**
 - a. Rationale for the study clearly defined
 - b. Topic makes important contribution to pharmacy practice (patient care, pharmacy operations, pharmacy profession) or theoretical basis of pharmaceutical sciences because it is original or of vital importance to the profession.
- 2. Research Questions/Objectives**
 - a. Question(s) to be answered or objectives to be met by research are clearly stated
- 3. Methods**
 - a. Evaluation of the methods considering all the following which are applicable for the type of research being presented:
 - b. Measurement
 - c. Study design
 - d. Data collection process, sampling strategy or sources of data
 - e. Data analysis clearly specified
- 4. Results**
 - a. Findings are reported for each study objective or research question
- 5. Implications/Conclusions**
 - a. Implications of findings to pharmacy practice, policy theory, or further research are discussed.
 - b. Conclusions are appropriately stated based on the results

Contributed Research Paper – Projects in Progress Evaluation Criteria

- 1. Relevance/Originality**
 - a. Rationale for the study clearly defined
 - b. Topic makes important contribution to pharmacy practice (patient care, pharmacy operations, pharmacy profession) or theoretical basis of pharmaceutical sciences because it is original or of vital importance to the profession.
- 2. Research Questions/Objectives**
 - a. Question(s) to be answered or objectives to be met by research are clearly stated
- 3. Methods**
 - a. Evaluation of the methods considering all the following which are applicable for the type of research being presented:
 - b. Measurement
 - c. Study design
 - d. Data collection process, sampling strategy or sources of data
 - e. Data analysis clearly specified
- 4. Preliminary Results**
 - a. Preliminary findings/trends are reported for each study objective or research question.

Preliminary results are not required for the Pharmacy Resident category.

Innovative Practice Report Evaluation Criteria:

1. Relevance/Originality

- a. Topic is of vital concern to practitioners, scientists, and/or students.
- b. Topic is original/innovative.

2. Objectives of Project

- a. Questions to be answered or objectives to be met by implementation of innovation are clearly stated.

3. Methods

- a. Evaluation of the methods considering all the following which are applicable for the type of project being presented:
 - b. Project design clearly stated and variables controlled.
 - c. Data collection process, sampling strategy or sources of data.
 - d. Data analysis procedures target project outcomes and support project objectives.

4. Results

- a. Findings are reported for each study objective or research question.

5. Implications/Adaptability

- a. Implications of findings to pharmacy practice are stated. Adaptability of innovation to other practice sites or settings is discussed.

Innovative Practice Report – Projects in Progress Rubric

1. Relevance/Originality

- a. Topic is of vital concern to practitioners, scientists, and/or students.
- b. Topic is original/innovative.

2. Objectives of Project

- a. Questions to be answered or objectives to be met by implementation of innovation are clearly stated.

3. Methods

- a. Evaluation of the methods considering all the following which are applicable for the type of project being presented:
 - b. Project design clearly stated and variables controlled.
 - c. Data collection process, sampling strategy or sources of data.
 - d. Data analysis procedures target project outcomes and support project objectives.

4. Preliminary Results

- a. Preliminary findings/trends are reported for each study objective or research question.

Preliminary results are not required for the Pharmacy Resident category.

AWARDS INFORMATION

APhA offers awards in both the Practitioner category through the APhA Academy of Pharmacy Practice and Management (APhA–APPM) and the Scientist/Researcher category through the APhA Academy of Pharmaceutical Research and Science (APhA–APRS). Investigators whose abstracts are eligible for consideration for an award will be notified during the review process. Awards programs include the following:

APhA–APPM Presentation Merit Award

Posters evaluated and presented under the Practitioner, Pharmacy Resident, or Student Pharmacist categories may be eligible for this award, which recognizes up to six professional Practitioner or Pharmacy Resident presentations and two Student Pharmacist presentations on practice-related subjects. (For a Student Pharmacist or Pharmacy Resident presentation to be considered for recognition, the primary author must be the student pharmacist or resident who is listed first on the abstract.) Recipients receive a special recognition ribbon and a certificate.

To be eligible for this award, the primary author must:

- Be an APhA member at the time of submission.
- Submit one of the following abstract categories:
 - Contributed Research Paper
 - Innovative Practice Report
 - Reports on Projects in Progress – Pharmacy Resident submissions only. Please note that only Reports on Projects in Progress posters in the Pharmacy Resident category are eligible to be considered for the award.)
- Submit an abstract in the Practitioner, Pharmacy Resident, or Student Pharmacist primary author category on a topic related to pharmacy practice or management.
- Attend and present the paper in Contributed Papers Program at APhA2022.

APhA–APRS Postgraduate Best Paper Award

Graduate students, pharmacy residents, fellows, and postdoctoral scholars who are the principal authors of contributed papers they present during APhA2022 are eligible for the Postgraduate Best Paper Award.

An award is given in each of the following categories:

- Basic Sciences
- Clinical Sciences
- Economic, Social, and Administrative Sciences (ESAS)

To be eligible for this award, the principal author must:

- Be an APhA member at the time of submission.
- Submit one of the following abstract categories:
 - Contributed Research Paper
 - Innovative Practice Report
 - Reports on Projects in Progress
- Submit an abstract in the appropriate APhA–APRS (Scientist/Researcher) primary author category.
- Have been a graduate student, pharmacy resident, fellow, or postdoctoral scholar when the research was conducted.
- The postgraduate must be the first (primary) author on the abstract.
- Attend and present the abstract in Podium or Contributed Papers Program at APhA2022.

For more information on the awards program, please contact Virginia Suitor at vsuitor@aphanet.org or 202-429-7559.

ABSTRACT PUBLICATION

Virtual Poster Gallery

All accepted posters Accepted abstracts that are presented at APhA2022 will be **e-published** in the July/August 2022 edition of the *Journal of the American Pharmacists Association (JAPhA)* at www.japha.org. Abstracts submitted as Encore Presentations are not published in their entirety; for these abstracts, only the title, authors, and original citation will be published in *JAPhA*.

APhA holds the first right of refusal for material contained in accepted abstracts when submitted for publication. Authors who wish to have APhA publish their research as a peer-reviewed article must first submit the article to an APhA periodical. (Submissions for Encore Presentations are exempt from this stipulation.) If the submission is denied publication by APhA, the author may pursue other publication options. Full manuscripts that expand on the abstract should be submitted for publication in an APhA periodical, usually *JAPhA*. The website for manuscript submission is <http://mc.manuscriptcentral.com/japha>.

QUESTIONS?

Questions on subject matter, submission categories, presentation options, the review process, or the online submission process should be directed to Patricia Szybist at pszybist@aphanet.org. Assistance is available on weekdays, Monday through Friday, 7:00 am-4:00 pm ET.