



NABP/AACP District IV

2023-2024

Future Pharmacists Grant Program

Small Grant Support for Colleges/Schools of Pharmacy

Overview

NABP-AACP District IV recognizes the role of student pharmacists in shaping the future of pharmacy practice and patient care. The purpose of this program is to support projects that promote and advance public health. These projects must be conducted by students from District IV (Wisconsin, Michigan, Ohio, Indiana, and Illinois) colleges or schools of pharmacy in conjunction with one or more community partners. This grant is intended to provide seed money to develop sustainable programs (programs that can continue beyond the dictated grant period). The projects must have measurable outcomes and serve as templates that can be implemented by interested groups elsewhere in the country.

The District IV Board has designated **women's health** as the topic for this grant cycle. Proposals submitted for this cycle should be relevant to pharmacy practice, academic pharmacy and/or state boards of pharmacy.

Women's Health

Women's health encompasses a wide array of health conditions, some of which are sex-specific (pregnancy, endometriosis, menopause, etc.), and some of which affect women differently than men (cardiovascular disease, diabetes, cancer, osteoporosis, etc.).¹ Access to reproductive healthcare for women has become more difficult to obtain for many populations due to changes in practitioner availability, accessibility, legal barriers, and logistics.² These access issues impact racial and ethnic minorities at a higher rate than white women in the United States, and access issues are only expected to increase with a primary healthcare provider shortage of up to 48,000 practitioners expected by 2034.³ Juxtapose this shortage with recent increases in access to reproductive care through pharmacist prescribed contraception and approval of the first over-the-counter oral contraceptive announced in July 2023.⁴ Pharmacists are in a unique position to connect with and provide reproductive care to women.

¹U.S Department of Health and Human Services. *Women's Health*. Eunice Kennedy Shriver National Institute of Child Health and Human Development <https://www.nichd.nih.gov/health/topics/womenshealth>. Accessed August 14, 2023

²Adler A, et al. Changes in the Frequency and Type of Barriers to Reproductive Health Care Between 2017 and 2021. *JAMA Netw Open*. 2023;6(4):e237461. https://jama.jamanetwork.com/article.aspx?doi=10.1001/jamanetworkopen.2023.7461&utm_campaign=articlePDF%26utm_medium=articlePDFlink%26utm_source=articlePDF%26utm_content=jamanetworkopen.2023.7461. Accessed August 14, 2023

³Heiser S. AAMC Report Reinforces Mounting Physician Shortage. AAMC.org. <https://www.aamc.org/news/press-releases/aamc-report-reinforces-mounting-physician-shortage>. Accessed August 14, 2023

⁴U.S. Food & Drug Administration. *FDA Approves First Nonprescription Daily Oral Contraceptive*. <https://www.fda.gov/news-events/press-announcements/fda-approves-first-nonprescription-daily-oral-contraceptive>. Accessed August 14, 2023

Rates of maternal mortality, defined by the World Health Organization as “the death of a woman while pregnant or within 42 days of termination of pregnancy...from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes,” have also consistently risen from 2018-2021, peaking at 32.9 deaths per 100,000 live births in 2021.⁵ Researchers reviewing this data determined that 84% of all pregnancy related deaths in the U.S. were preventable, many attributed to medication nonadherence, missed follow-up visits, and unnoticed signs of worsening conditions.⁶ Over half of all maternal mortality occurs more than 7 days after the patient leaves the hospital, further highlighting the preventable nature of these deaths.

Women’s health outside of reproductive care is another underserved facet of the healthcare system. An estimated thirty million women experience menopause every year in the United States.⁷ Despite that considerable number, few healthcare providers are trained in menopause care, and the impacts of menopause have a significant impact on patient lives and work productivity. Women experiencing menopause and missing work due to adverse effects represent a lost productivity cost of \$1.8 billion annually. Differences in other disease state incidence and progression are also largely ignored or misunderstood. Women are more likely than men to experience mental illness and/or clinical anxiety.⁸ Women are twice as likely to be diagnosed with Alzheimer’s disease than men.⁹ One in eight women will develop breast cancer in their lifetime.¹⁰ These are just a few of the many conditions that impact women in a different way or to a different extent.

Pharmacists have unique training in population health and medication therapy to provide effective interventions to improve healthcare outcomes for women. As access to primary care providers and reproductive healthcare are decreasing, pharmacists have ever increasing opportunities to fill the gap and provide effective care to female patients. Pharmacy students have a unique opportunity to partner with faculty members, community leaders, and advocacy groups to develop a sustainable service or intervention to improve women’s health in their community.

The Projects

District IV will support sustainable projects that can implement problem-solving ideas to address women’s health in the community. The projects submitted must have community partner involvement. Project partners may include any community groups that provide or positively impact women’s health in the community. These can include social and health organizations, government agencies, legislative offices, professional associations, and state boards of pharmacy.

⁵Hoyert DL. Maternal mortality rates in the United States, 2021. NCHS Health E-Stats. 2023. DOI: <https://dx.doi.org/10.15620/cdc:124678>. <https://www.cdc.gov/nchs/data/hestat/maternal-mortality/2021/maternal-mortality-rates-2021.pdf>. Accessed August 14, 2023

⁶Dembosky A. Health Department medical detectives find 84% of U.S. maternal deaths are preventable. NPR. <https://www.npr.org/sections/health-shots/2022/10/21/1129115162/maternal-mortality-childbirth-deaths-prevention>. Accessed August 14, 2023

⁷Faubion SS, et. al. Impact of Menopause Symptoms on Women in the Workplace. *Mayo Clin Proc.* 2023;1-13 <https://doi.org/10.1016/j.mayocp.2023.02.025>. Accessed August 14, 2023

⁸National Institute of Mental Health. *Mental Illness*. <https://www.nimh.nih.gov/health/statistics/mental-illness>. Accessed August 14, 2023

⁹Centers for Disease Control and Prevention. *Minorities and Women Are at Greater Risk for Alzheimer’s Disease*. Alzheimer’s Disease and Healthy Aging Program Home. <https://www.cdc.gov/aging/publications/features/Alz-Greater-Risk.html>. Accessed August 14, 2023

¹⁰American Cancer Society. *Key Statistics for Breast Cancer*. <https://www.cancer.org/cancer/types/breast-cancer/about/how-common-is-breast-cancer.html>. Accessed August 14, 2023

A major goal of this grant is to establish and strengthen ties between student groups and their community partners. The projects should have clear objectives that will be attained during the project. **All participating partners must have a relevant role in the project. The student organization must take the leadership role.** This award is not intended to support current activities, but to assist in establishing new ones.

Funding

The maximum funding request is \$3,000. The District IV Board reserves the right to make more than one award, not to exceed this funding amount.

Eligibility

All student groups and professional chapter organizations in colleges/schools of pharmacy located in District IV are encouraged to apply.

One proposal will be accepted per college/school. The project must have a full-time faculty member at the college/school as an advisor.

2022-2023 Grant Project Timeline

September 7, 2023	Grant announcement made/Application period begins
November 21, 2023	Online applications due to Grant Administrator (send completed application to rades@purdue.edu)
November 22 – December 8, 2023	Application review period
December 11, 2023	Awardees formally announced via email communication and posting on NABP District IV website
January 1, 2024	Project/Activity period begins
January 15, 2024	Funds forwarded to awardee
April 30, 2024	Mid-project report due
August 15, 2024	Project/Activity period ends
August 31, 2024	Final Project Report due from awardee(s) and financial report due to grant administrator
September 2024	Student representatives (up to two) present the project report at the NABP/AACP District IV Annual Meeting

Evaluation Criteria

The primary evaluation criteria are provided in the evaluation rubric (see below). Under the direction of the Executive Director of the District IV Board, reviewers will be appointed to evaluate the proposals.

Budget

Must be clear, detailed, and appropriate. Please note:

- No funding is available for charges incurred outside the project period.
- Funding for supplies/equipment is limited to items essential to the project. Applicants are encouraged to outline a plan for what happens to equipment after completion of the project. Equipment maintenance or repair is not eligible for funding.
- Consult your school/college of pharmacy or university Institutional Review Board (IRB) for approval of using human subjects in research.
- If you receive the award, funds not used at the end of the project period must be returned to District IV.

Budget Justification:

All funding requests must be justified in narrative form (maximum of one page). Applicants are advised to consider that the review committee relies heavily on the narrative budget explanation and justification when making decisions about funding.

Grant Administrator

Should you have any questions regarding the grant project, please contact:

Ryan Ades, PharmD, BCPS
Experiential Learning Curriculum Coordinator

Purdue University College of Pharmacy
575 Stadium Mall Drive, Room 370
West Lafayette, IN 47907
Phone: 765-494-5442 Fax: 765-494-0801
Email: rades@purdue.edu

	Excellent (3 Points)	Adequate (2 points)	Needs Improvement (1 Point)
Project Concept (15%)	Provides a clear, complete, easy to understand project description that tightly fits grant program priorities	Provides a description that only somewhat meets the grant program priorities	Description and background are insignificant to the project and do not pertain to the grant program priorities
Objectives and Measures (15%)	Include specific and easily measurable objectives. Explains how outcomes will be measured	Includes clear but not easily measurable objectives. Adequately explains how outcomes will be measured	The objectives are not clearly stated or measurable. Does not explain how outcomes will be measured
Potential community impact (10%)	Demonstrates the potential to significantly impact the community	Demonstrates some potential to impact the community	Demonstrates minimal to impact the community
Methodology (10%)	Provides a clear explanation of the proposed methodology or process	Provides an adequate explanation of the proposed methodology or process	Provides an explanation of the methodology, but it is not clear or well organized, or no clear methodology
Long term benefits (5%)	Includes several clearly stated long-term benefits of the project	Includes a few long-term benefits of the project or benefits not clearly stated	Includes minimal or no stated benefits
Unique Characteristics (5%)	Introduces new methods/ideas that are practical and original	Shows some effort of introducing new methods or ideas	There are methods introduced, but they are not new or original, or no new methods at all
Sustainability (5%)	Clearly explains how the project will be continued after the grant period	Somewhat explains how the project will be continued after the grant period	Poorly explains how the project will be continued after the grant period
Feasibility (20%)	Very high likelihood of success. Project mechanisms are presented well and the timeline is appropriate for the project	Moderate likelihood of success. The project mechanisms presented are acceptable and the timeline is not appropriate for the proposed project	Little likelihood of success. The project presented is unclear. The timeline is not appropriate or not given
Itemized budget and Justification (10%)	Budget is clear, and is highly feasible for the activities proposed. Provides rationale and significance of expenditures in a well-structured, logical form	Budget is included and seems somewhat feasible. Shows some effort to present the rationale and significance of expenditures in a well-structured argument	Budget is absent or is included, but does not appear feasible. Argument for expenditures is weak and lacks justification.
Writing technique (5%)	Uses acceptable style and grammar (0-2 errors)	Uses adequate style and grammar (3-5 errors)	Poor style and grammar (6 or more errors)

2023-2024 District IV Future Pharmacists Award Application

Application Deadline: November 21, 2023

Name of School/College _____

Address _____

Primary Student Contact _____

Phone _____ Title/Office _____

Email _____

Partnering Organization _____

(List the Community Partnership Organization)

Primary Organization Contact _____

Phone _____ E-mail _____

Name of Project/Program _____

State the specific problem you will address and who will directly benefit from this award.

Amount Requested (up to \$3,000) _____

- I understand this proposal will NOT be used for a current project/activity.
- I understand that this proposal will only be used to support activities directly related to establishing a new project/activity

Signature (Advisor) _____ Date _____

Typed Name _____ E-mail _____

Signature (Primary Student Contact) _____ Date _____

Typed Name _____ E-mail _____

Application Checklist

Use the checklist to complete your application. Submit all information online in PDF and Word format.

Application Checklist
for the
NABP/AACP District IV Future Pharmacists Grant Program

<input type="checkbox"/>	Cover Sheet - Include: project title, organization submitting proposal, partnership organization(s), date(s) where the project will take place, primary contact name.
<input type="checkbox"/>	Abstract - A brief, comprehensive summary of the proposal content (200-word limit). Reviewers will receive their first impression of the project from this abstract.
<input type="checkbox"/>	Narrative - no more than <u>5 double-spaced</u> pages The proposal narrative should include: <ul style="list-style-type: none">• Introduction and background• Description of the project partnership• Project impact on the community, including how many people will be served• Expected results, including long-term benefits of the project• Methods for measuring outcomes• Unique characteristics of the project• How the project will be sustained in future years• Feasibility of the project
<input type="checkbox"/>	Proposed itemized budget and Timeline (maximum: 1-page budget, 1-page justification) Provide an itemized budget for your project along with a project timeline that begins after January 1, 2024 and is completed by August 31, 2024.
<input type="checkbox"/>	Signatures – from advisors or responsible college/school representative, primary contact and collaborating partner (if applicable).
<input type="checkbox"/>	Award Applicant Agreement (see below).

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Award Applicant Agreement

If awarded, I agree to:

- Provide a written mid-project report by April 30, 2024 detailing progress towards meeting the stated objectives. The report may include photos, a summary of funds spent, description and dates of activities, and whether objectives have been met.
- Submit an end of project report by August 31, 2024. This summary must include a listing of all activities/events completed, including their outcomes, an itemized report of project expenses, as well as copies of receipts for all expenditures.
- Make recommendations on how this grant program may be improved by adding a written narrative to the end of the report.
- Send at least one representative to the annual District IV meeting to present the report.

I have read and understood this agreement.

Name of Primary Contact _____ Email _____

Signature of Primary Contact _____ Date _____

