

NoDak Pharmacy Journal

Volume 31, No. 5 November 2018

**ADVANCING
THE CARE
WE PROVIDE**

**134TH
ND PHARMACY
CONVENTION**

**APRIL 5-7, 2019
BISMARCK, ND**



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COLLEGE OF PHARMACY,
NURSING, AND
ALLIED SCIENCES



NO DAK PHARMACY JOURNAL Submission Policy

The ND Pharmacists Association is pleased to accept submissions for the Journal. Submissions should be reasonable in length due to space considerations. In order to ensure the quality of our publication, editing for grammar, spelling, punctuation and content may occur. Articles, photos, and advertising should be submitted in electronic form.

To submit, please email NDPhA at:
mschwab@nodakpharmacy.net

The deadline for the Next Issue is:
January 09, 2019

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2019 Calendar

DECEMBER 2018

Dec 2-6	ASHP Midyear, Anaheim, CA
Dec 5	NDPhA/NDPSC Joint Board Meeting – Ramada Inn, Bismarck
Dec 7	Pearl Harbor Remembrance Day
Dec 25	Merry Christmas

JANUARY

Jan 1	Happy New Year
Jan 21	Martin Luther King Jr. Day

FEBRUARY

Feb 2	Groundhog Day
Feb 3	Super Bowl Sunday
Feb 14	Happy Valentine's Day
Feb 18	Presidents' Day

MARCH

Mar 10	Daylight Savings Begins
Mar 17	St. Patrick's Day
Mar 22-25	APhA Annual Meeting & Expo in Seattle, WA

APRIL

Apr 1	April Fool's Day
Apr 5-7	134th ND Pharmacy Convention, Radisson Inn, Bismarck
Apr 21	Easter Sunday



Greetings Pharmacy Colleagues,

Well, this year is progressing quickly! Maybe a sign of aging. We have moved on through October and Pharmacy week and now elections have passed. The phrase silly season comes to mind, which brings to mind the Holidays and New Year. As many of us are busy with the usual practice of pharmacy, we now throw in the mix Flu Vaccinations and Part D evaluations. New plans seem to pop up out of nowhere. Are we in or are we out? Can we do 90 days or only 30? Are we Preferred or Standard? I love the holidays, but there have been several which have resulted in major surprises on January 1. Here's to hoping the only surprise you have on January 1, is that nothing negatively changed from last year.

It sounds like the PERS board has voted to continue funding for the About the Patient diabetes program. Hopefully the NDPERS prescription benefit plan transition goes smoothly. Optum Rx has been hard to pin down on questions from pharmacists as to whether they are in or out of the network. We can only pray pharmacies don't take another reimbursement cut under this new arrangement.

Kim Essler

Kim Essler, R.Ph.
President NDPhA

For my hospital friends, I hope the finish line to implementing 797 is as smooth as possible. I wish the same regarding USP 800 for all pharmacies. Seems like I just got comfortable with the fact that change is inevitable. I guess I never thought of the fact that the rate of change does not remain constant either!

My commendations to my fellow pharmacy professionals who are involved in vaccinations, MTM, DSM, and Collaborative Practice Agreements to name a few. Potentially, we could have some streamlined policies making CPA's easier to implement after the upcoming legislative session. Watch for Mike's emails regarding potential legislative issues that may come up as we near the legislative session. If you have any questions or ideas, make sure you call Mike at the office or me, and we'll see if we can address your concerns or answer your questions.

I wish you, your families, your employees, and your patients a very blessed Holiday Season and a Happy New Year! And I hope none of us receive a lump of coal, especially on January 1st!



MISSION OF MERCY

The ND Pharmacists Association partnered with the ND Dental Association and ND Dental Foundation to help sponsor North Dakota's first Mission of Mercy event held in Bismarck, ND September 28-29, 2018 at the Bismarck Civic Center, which offered a 45-chair free dental clinic.

The event provided free dental care to anyone in need on a first-come, first-served basis. Care provided included fillings, extractions, cleanings, limited treatment for partial denture appliances, and some root canals on front teeth. More than 70 organizations and individuals provided cash or in-kind donations for the event.

The North Dakota Pharmacists Association would like to thank the ND Board of Pharmacy for granting us a waiver to setup a FREE pharmacy for the Mission of Mercy event. Dakota Pharmacy provided free over-the-

counter medications and antibiotics for the event. We had over 20 pharmacy students, pharmacy technicians and pharmacists volunteer their time throughout the two-day event.

There were over 500 total volunteers registered for the event. Thank you to all of the volunteers and supporters because without your help, this event would not have been possible. A special thank you to all the pharmacy professionals who volunteered their time and expertise! Over 900 patients received free care and over \$600,000 of donated care and supplies were provided during the two day event.

Again, thank you to the ND Dental Association for reaching out to the profession of pharmacy so we could help be part of this community event.



NAPT PRESIDENT'S MESSAGE BY TWANA DICK

Hello Fellow Pharmacy Technicians.

It is hard to believe it is November already, 2018 is almost at a close. Hope everyone is well and ready for the holidays with family and friends.

The last time I mentioned that a few of us were on our way to the AAPT National Convention. It was Sept 7th and 8th in Niagara Falls, NY. The conference covered a variety of topics that totaled 12 CE credits. There were about 65 of us in attendance, five of us representing North Dakota. It was a great time connecting with other technicians and to see how other Pharmacy Technician Organizations function.

We are accepting nominations for the Pharmacy Technician Awards to be presented at the 2019 NDPhA Pharmacy Convention in April. Please read through the criteria for the awards and if there is a Pharmacy Technician you feel should be nominated, please take the time to do so. The nomination forms and criteria for each award will be available on the NDPhA website under the NAPT tab. Deadline for submitting nomination forms will be February 12th, 2019.

This last August, a wage survey was mailed out to all the Pharmacy Technicians along with the Fall Conference registrations. The board felt it would provide useful information to the technicians to see what the wages are in North Dakota. We had about a 20% response, which was not enough data to give a good representation; we were hoping for 50% or better. The Executive Board decided not to move forward with the survey and will consider it a learning experience. So for now the wage survey has been tabled and discussion will be held about what could be done to improve the process if an upcoming Executive Board would be decide to do a survey in the future.

The 2019 NAPT Fall Conference has been planned for September 13th and 14th at the Ramkota in Bismarck. We are looking forward to seeing you there.

Have a wonderful Christmas and a Happy New Year!

Twana Dick,
RPhTech, CPhTech
President of NAPT

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Member**



Northland Association of
Pharmacy Technicians

2018 Annual Northland Association of Pharmacy Technician (NAPT) Fall Conference Follow Up

The 3 P's of Pharmacy: Patient**Prescription**Professional

Submitted by: Fall Conference Planning Coordinator

2018 NAPT Annual Fall Conference was held at the Holiday Inn, in Fargo ND on October 5 & 6, 2018. Offering a total of 10 CE, including topics on law and patient safety (which are required topics for PTCB re-certification).

With an attendance of 94, the NAPT Fall Conference Planning Committee and the NAPT Executive Board feels this conference was a great opportunity for attendees to obtain valuable information.

Topic titles included:

- Updates from the North Dakota Board of Pharmacy-Law CE
- Leadership - Just Do It
- Pharmacy Technicians' Role in Tobacco Cessation
- A Parent's Journey Navigating Critical Medical Pathways-Keynote Speaker
- Opioid Misuse and Overdose Prevention
- Advancing Pharmacy Technician Roles in the Community Setting
- Naloxone and Combating the Opioid Epidemic
- Hypertension: Clinical Pearls for the Pharmacy Technician
- Quality Improvement and Today's Technician-Patient Safety CE
- Did You Know?
- Bonus presentation: A Healthy You (not CE approved)

During the conference, the 2nd Annual Basket Extraordinaire was held. All proceeds support the NAPT Scholarship Fund. A total of 23 baskets were donated and a total of \$1,203 raised. Special thanks to everyone who donated baskets as well as thanks to all who participated. NAPT will continue to host this event during our NAPT Annual Fall Conference.

Plans are already being made for the 2019 Fall Conference to be held at the Ramkota Inn, in Bismarck, ND, on September 13 & 14, 2019. Please mark your calendar!

In closing, thank you to the attendees for making the 2018 Fall Conference a great learning environment. Thanks also to the speakers who provided great information. Lastly, thank you to the NAPT Fall Conference Planning Committee as well as the NAPT Executive Board. Your time and dedication is what makes this annual event the best it can be.

NDPhA Award Nominations Criteria

Fax to: (701) 258-9312 or

Email to: ndpha@nodakpharmacy.net by **FEBRUARY 11, 2019**.

A list of past recipients can be found on our website at www.NodakPharmacy.net. Scoring details for nominations received can also be found on our website listed above. Nominations should be submitted **ALONG WITH BIOGRAPHICAL INFORMATION**.

NDPhA AWARDS NOMINATIONS CRITERIA

AL DOERR SERVICE AWARD

The recipient must be a pharmacist licensed to practice in North Dakota. The recipient must be a member of the North Dakota Pharmacists Association; be living (not presented posthumously); not have been a previous recipient of the award; have compiled an outstanding record for community and pharmacy service.

Nominee: _____ Submitted by: _____

UPSHER-SMITH LABORATORIES EXCELLENCE IN INNOVATION AWARD

The recipient should be a practicing pharmacist within North Dakota and a member of NDPhA who has demonstrated Innovative Pharmacy Practice resulting in improved patient care.

Nominee: _____ Submitted by: _____

PHARMACISTS MUTUAL DISTINGUISHED YOUNG PHARMACIST AWARD

The goal of this award is to encourage the newer pharmacists to participate in association and community activities. The award is presented annually to recognize one such person for involvement and dedication to the practice of pharmacy. The recipient must: have received his/her entry degree in pharmacy less than nine years ago; be a pharmacist licensed to practice in North Dakota; a member of NDPhA; have practiced community, institutional, managed care or consulting pharmacy and have actively participated in national pharmacy associations, professional programs, state association activities and/or community service.

Nominee: _____ Submitted by: _____

APhA/NASPA BOWL OF HYGEIA

The recipient must: be a pharmacist licensed to practice in North Dakota; a member of NDPhA; be living (not presented posthumously); not have been a previous recipient of the award; is not currently serving, nor has he/she served within the immediate past two years as an officer of the association in other than an ex-officio capacity or its awards committee; have compiled an outstanding record of community service, which apart from his/her specific identification as a pharmacist, reflects well on the profession.

Nominee: _____ Submitted by: _____

NDSHP Award Nominations Criteria

Fax to: (701) 234-7137 or Email to: megan.m.magle@gmail.com by **FEBRUARY 11, 2019.**

NDSHP AWARDS NOMINATIONS CRITERIA

NORTH DAKOTA HEALTH-SYSTEM PHARMACIST OF THE YEAR

Established in 1998, this award is given annually to an individual of high moral character, good citizenship, and elevated professional ideals. The recipient has made significant contributions to health-system pharmacy, including sustained exemplary service, an outstanding single achievement, or a combination of accomplishments benefiting the profession and public health. These may include achievements or outstanding performance that relate to health-system pharmacy: Practice, education, or administration; Research or development; Organizational activities; Scientific or professional writing; Journalism; Public and/or inter-professional relations activities; or Law, legislation, regulation, or standards of professional conduct.

Nominee: _____ Submitted by: _____

NDSHP BEST PRACTICES AWARD

This award has recognized outstanding practitioners in health-system pharmacy who have successfully implemented innovative systems that demonstrate best practices in health-system pharmacy. Eligibility: Applicants must be practicing in a health-system setting, such as an ambulatory care clinic, chronic care, home health care, inpatient care, or outpatient pharmacy. More than one successful program from a health system may be submitted for consideration. Applicants will be judged based on the following criteria: Originality and innovative nature of the program, Significance of the program to the health system, Demonstration of improvements, Significance of the program to pharmacy practice advancement, and Quality of the descriptive report.

Nominee: _____ Submitted by: _____

AWARD OF EXCELLENCE IN MEDICATION USE SAFETY

May be conferred annually to an individual or group of individuals in recognition of a specific recent contribution or achievement that has advanced the ability of hospital and health-system pharmacists in North Dakota to serve the needs of patients through improved medication safety processes. Pharmacists and nonpharmacists are eligible. The award is intended to recognize an individual or group of individuals for a recent singular, significant achievement or contribution rather than for career-long contributions. Include the following information when submitting your nomination: Professional position of the nominee (or individuals in a group) at the time of the contribution or achievement; Current professional position of the nominee or individuals in a group; Summary of the contribution or achievement; Brief statement about how the contribution or achievement advanced the ability of hospital and health-system pharmacists to serve the needs of patients, and Brief statement about why the contribution or achievement is of significance.

Nominee: _____ Submitted by: _____

PHARMACY PRACTICE LITERATURE AWARD

The Pharmacy Practice Literature Award recognizes an outstanding original contribution to the peer-reviewed biomedical literature related to pharmacy practice in hospitals and health-systems. The award is given annually to the author(s) of an important contribution of original research relevant to health-system pharmacy practice published during the calendar year preceding the state convention. Eligibility: The article submitted for the Pharmacy Practice Literature Award must have been published in a PubMed-indexed, peer-reviewed biomedical journal in the last calendar year. This article will be included in the nomination. For this award, the applicant must be a pharmacist. The applicant must be either the first or second author listed on the nominated article. To be eligible for this award, the applicant must have participated in each of the following: Substantial contributions to conception and design, or acquisition of data, or analysis and interpretation of data; Drafting the article or revising it critically for important intellectual content; and Final approval of the version to be published.

Nominee: _____ Submitted by: _____

NAPT Award Nominations Criteria

Fax to: (701) 258-9312 or Email to: ndpha@nodakpharmacy.net by FEBRUARY 11, 2019

NAPT AWARDS NOMINATIONS CRITERIA

- Nominations accepted from:
- North Dakota Registered Pharmacy Technician
 - North Dakota Licensed Pharmacist
 - Practicing professional in the medical field

See requirements below and please fill out the nomination for on next page.

DISTINGUISHED YOUNG PHARMACY TECHNICIAN

- The nominee shall be a practicing Pharmacy Technician of less than 10 years.
- The nominee shall be registered as a Pharmacy Technician in North Dakota.
- The nominee displays passion to the Pharmacy Technician profession and strives for excellence in the Profession of Pharmacy.
- The nominee exemplifies work ethic in the Profession of Pharmacy.

DIAMOND AWARD

- The nominee shall be registered as a Pharmacy Technician in North Dakota.
- The nominee must be living, awards are not made posthumously.
- The nominee has not been a previous recipient of the award.
- The nominee is not currently serving as an officer of NAPT.
- The nominee has compiled an outstanding record of community and pharmacy service.

FRIEND OF NAPT

- The nominee has not been a previous recipient of the award.
- The nominee has been an advocate of NAPT and the Profession of Pharmacy Technicians.
- The nominee can be a person(s) working in the Profession of Pharmacy; a person, group, or organization.

Note: Nominations are only accepted from ND Registered Pharmacy Technicians.

PHARMACY TECHNICIAN OF THE YEAR AWARD

- The nominee shall be a Registered Pharmacy Technician in North Dakota.
- The nominee exemplifies the work ethic in the Profession of Pharmacy.
- The nominee has not been a past recipient of the award.
- The nominee demonstrates the key elements of the Pharmacy Technician Profession and demonstrates an outstanding record of pharmacy service.

NAPT Award Nominations Application

Fax to: (701) 258-9312 or Email to: ndpha@nodakpharmacy.net by **FEBRUARY 11, 2019**

Complete the nominee name and answer the appropriate questions related to the award you would like to nominate them for.

Feel free to use additional paper to expand on the highlights of your nominee.

Applications received are subject to meeting the minimum selection criteria. Any nomination not meeting the criteria will be disqualified

Nomination(s) submitted by _____

Name: _____

Contact Information: _____

- Title check one):
- North Dakota Registered Pharmacy Technician
 - North Dakota Licensed Pharmacist
 - Practicing professional in the medical field

DISTINGUISHED YOUNG TECHNICIAN NOMINEE: _____

Describe how the nominee displays passion to the Pharmacy Technician profession and strives for excellence in the Profession of Pharmacy:

Describe how the nominee exemplifies work ethic in the Profession of Pharmacy:

DIAMOND AWARD NOMINEE: _____

Describe how the nominee has compiled an outstanding record of community service:

Describe how the nominee has compiled an outstanding record of pharmacy service:

FRIEND OF NAPT NOMINEE: _____

Describe how the nominee has been an advocate of NAPT:

Describe how the nominee has been an advocate for the Profession of Pharmacy Technicians:

PHARMACY TECHNICIAN OF THE YEAR AWARD NOMINEE: _____

Describe how the nominee exemplifies work ethic in the Profession of Pharmacy:

Describe how the nominee demonstrates the key elements of the Pharmacy Technician Profession and demonstrates an outstanding record of pharmacy service:

134th ND Pharmacy Convention

April 5-7, 2019 • Radisson Inn, Bismarck

Highlights:

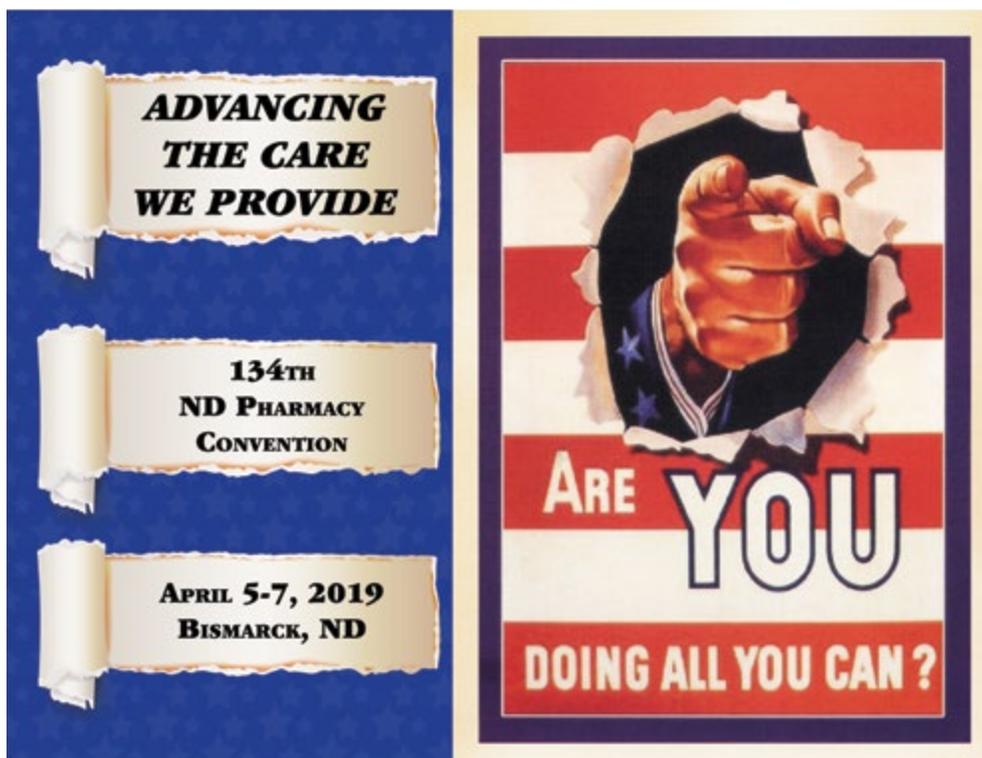
Thursday Night NDSU School of Pharmacy Social, Banquets, Awards Ceremonies, Silent and Live Auction

Networking opportunities for all pharmacists and technicians from all types of practices.

Great opportunity to be involved in the most current practice discussions!

Receive Continuing Education – CE Topic Highlights:

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- Ambulatory Care
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- Resident Presentations
- **And More**



Student Auction Donation Form

PLEASE PRINT INFORMATION BELOW AND RETURN TO:
PhAC AUCTION, NDPhA, 1641 Capitol Way, Bismarck, ND 58501-2195
Fax: 701-258-9312 • Ph: 701-258-4968 • Email: ndpha@nodakpharmacy.net

DONOR Name

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ITEM QUANTITY

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DELIVERY IS THE RESPONSIBILITY OF THE DONOR.

Items are appreciated by 10:00 AM-Saturday, April 6th
The Silent Auction will be held on **Saturday, April 6, 2019**
Radisson Inn, Bismarck, ND.

This year, we will begin the Silent Auction around 5:00pm allowing more time and opportunity for those attending to participate and get in their bids. The Pharmacy Advancement Corporation Scholarship Annual Live Auction will be held Saturday April 6, 2019 after the President's Banquet during the convention. The auction committee would like to invite everyone to participate by donating items. The North Dakota Pharmacists Association is celebrating 134 years so come on you woodcrafters, quilters, and other artisans help celebrate this momentous occasion. As in years past, several items will be placed on a silent auction with the highlight of the evening being the "live" auction.

Please forward any questions to Mike at mschwab@nodakpharmacy.net or call 701-258-4968.

Thank you for your participation in the past and we look forward to another outstanding auction.

2019 ND Annual Pharmacy Convention Hotel Information

A block of rooms has been reserved until March 4, 2019

Radisson Inn

605 East Broadway Avenue

Bismarck, ND 58501

701-255-6000

800-333-3333

Group Rate: \$119 per night

Online Reservations can be made at
<http://www.radisson.com/reservation>

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THE WORLD IS CHANGING. JOIN US.



TAKE A LOOK

ABOUT THE PATIENT IS NEW AGAIN

We've worked all year to bring you new programs and improve the ones you already know.

YOUR OPPORTUNITIES

There are over 60 pharmacies taking part in the About the Patient program today. Talk with us to learn more.

NDPERS DIABETES

- Revised for 2018 ADA Guidelines
- New visit schedule
- New education guides

NORTH DAKOTA MEDICAID (NDM)

- Diabetes
- Transitions of Care
- Asthma
- Non-Compliance
- COPD

WORKFORCE SAFETY & INSURANCE (WSI)

- Chronic Pain Management Program
- For patients >90 days on opioids
- Naloxone reimbursement included

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Investing In Future Pharmacists

"There's no greater thing than getting satisfaction out of helping someone succeed," says John Mortensen, a member of the NDSU School of Pharmacy Advisory Board and 1977 graduate. He is among a group of alumni and students encouraging people to participate in the NDSU Giving Day on Tuesday, December 4.

Pharmacy students such as Briana Breemeersch appreciate the support of alumni and friends as they pursue their education. "Every donation helps us learn with more and more things. There would be no Concept Pharmacy or anything like that without giving and we really appreciate it," says Breemeersch. "Every one of us realizes how incredibly blessed we are to have everything that we can learn from."

NDSU Giving Day offers a convenient online opportunity to contribute to help future pharmacists.

Funds raised on Giving Day support scholarships and programs. Contributions make it possible for students to participate in professional meetings, community service and global opportunities.

Share your enthusiasm for pharmacy by serving as an online Giving Day Ambassador. Sign up and donate at <https://www.ndsugivingday.com/>.

Follow the College of Health Professions facebook posts and tweets on Tuesday, December 4 for more info to share on social media.

"I think it's very important to give back," says NDSU pharmacy alum David Olig, class of '75, who also encourages paying it forward. "I think it's important as the students move forward to remember that they got a scholarship—you remember that when you get one that it's important to give back."

"We are grateful for the generous support our alumni and friends continue to show as they encourage future pharmacists," says Charles Peterson, dean of the School of Pharmacy and College of Health

Professions. "The 24-hour online NDSU Giving Day is our single annual effort to generate support for programs that directly help students."

John Mortensen says his 30-year pharmacy career began with the foundation he gained at NDSU. "There's a lot of places you can donate. There's a lot of worthy causes. But there's only one group of Bison."

We invite you to be part of NDSU Giving Day on Tuesday, December 4 by going to www.ndsugivingday.com, selecting College of Health Professions and Sudro Society Pharmacy.

24 hours can impact a lifetime.



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and Exclusively

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Dakota
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NDSU Pharmacy Student Discovers A Different Career Path

By Carol Renner, Office of the Dean, Marketing/Communication Coordinator, NDSU College of Health Professions



Tyler Maanum is a third year pharmacy student at NDSU. He attended a College of Health Professions Career Fair and visited a booth for the United States Public Health Service with two people dressed in military uniforms. Here's how his story unfolded, in his own words.

At the Career Fair, Public Health Service pharmacists shared with me what they did on a daily basis as clinical pharmacists and the increased role of the pharmacist in patient care caught my attention immediately. I was given information on a program called the Junior Commissioned Officer Student Training and Extern Program. I decided this would be an excellent opportunity to learn something new and get out of my comfort zone. I was well aware this was a highly competitive internship/externship with the previous year having 382 applicants and only 25 pharmacy students selected.

In 2018, I got the call saying that I was accepted for this program and would serve on the White Earth Reservation with Indian Health Service at the White Earth Health Center pharmacy, Ogema, Minnesota. After my first rotation during the summer of 2018 (finished on a Friday), I began at the WEHC pharmacy at 0800 on the following Monday.

Throughout the two months that I was at the WEHC pharmacy, I was exposed to the roles of the pharmacy technicians, pharmacists, home health nurses, and harm reduction. My duties involved filling prescriptions and customer service and I spent a good chunk of my time learning the roles of the clinical pharmacist and the different services the clinic offered such as tobacco cessation clinic, anticoagulation clinic, hepatitis C clinic, naloxone training, etc.

Eye-opening experiences I participated in involved accompanying a home health nurse on patient home visits to prepare medications in daily containers for the next two weeks, performing routine physical assessments, and examining the feet of patients with diabetes to assess their perception of touch, get their body weight, blood pressure and blood glucose and answer any questions.

Many of these patients live in remote areas and cannot easily access the clinic or hospital if needed. I've read about all of this before in textbooks, but you don't know what it's truly like until you are actually in that situation. Too often we forget to think how the environment the patient is living in is influencing their health and how or if they take their medication.

I also participated in the harm reduction program that is offered across the reservation, observing the challenge of opioids and its impacts. With the rise in opioid use, hepatitis C also increases from needle sharing. We set up a clinic, which was an experience completely different from what I had previously known.

One of my favorite experiences involved diabetes education during the annual Elder's Picnic. I was tasked to find a fun and engaging way to educate patients on diabetes education. I put together a Diabetes Jeopardy board where the patient would pick a category and have a true or false question to answer. Their prize was a couple pieces of sugar free candy.

The main thing that I learned about myself during this experience was to do what my gut was telling me to do. My experience was incredible. The knowledge that I gained over the two months with Indian Health Service is incredible. There is no textbook that can replace that experience.

It is important to remember that the classroom material is the foundation for your understanding of the practice of pharmacy, but being out there and actually practicing pharmacy and interacting with people is what pharmacy is all about.

There were 227 applicants for the U.S. Public Health Service Junior Commissioned Officer Student Training and Extern Program in 2018. Of that number, 23 were selected for pharmacy externships, including three from NDSU School of Pharmacy.

In addition to Maanum, third-year pharmacy students Kayla Heier and Austin Klapperich received externships. Heier served her externship at Whiteriver Indian Hospital, Whiteriver, Arizona and Klapperich served at Zuni Comprehensive Health Center in Zuni, New Mexico.

NDSU To Name New Building In Honor Of Aldevron



What started in 1998 by two bright and ambitious North Dakota State University students working toward degrees in biotechnology and pharmaceutical sciences is about to become a permanent part of the NDSU campus.

When the addition to Sudro Hall opens in 2020, Aldevron Tower will serve as a hallmark of opportunity and a symbol of the amazing journey of a North Dakota kid whose business experience involved tending bees for his grandfather's honey company in Carrington, North Dakota, and a young man who traveled across the world from New Zealand to Fargo – and stayed.

Michael Chambers and John Ballantyne named their company Aldevron, which has grown into a world-class service organization specializing in nucleic acid and protein production and antibody development with operations in the United States and Europe. Aldevron's headquarters remain in Fargo, and the company is celebrating its 20th anniversary.

Aldevron Tower connected to Sudro Hall will be the result of philanthropic support provided by alumni, businesses and friends who are funding the entire construction of the project, up to \$28 million. The project is historic in that it will be the largest privately-funded, academic facility on campus.

Construction of the approximately 74,000-square-foot, six-story tower addition to Sudro Hall is expected to be complete by January 2020. The facility will provide collaborative learning, research and service capabilities and help to meet the region's growing need for health care professionals.

The new construction includes an enhanced Concept Pharmacy

made possible by a half-million-dollar contribution from the North Dakota Pharmacists Association. Twice the size of the current Concept Pharmacy, it will provide pharmacy students with hands-on experience as they learn about medication, patient care and applying their pharmacy education as future professionals.

"This project is a game changer for NDSU's capacity to address critical state needs in the health care arena," said NDSU President Dean L. Bresciani. "We are grateful to all who have stepped forward with charitable support of the project."

"This new facility will provide us state-of-the-art facilities that will allow us to have an even greater impact on our state, region, and nation related to healthcare education, research, and workforce," said Charles Peterson, dean of the School of Pharmacy and College of Health Professions. "This all would not be possible without the generous support from our private sector partners like Aldevron and others."

"Aldevron is honored to be a part of this project," said Chambers, who pointed out that the company's first lab started a short walk from Sudro Hall. "Scientific advances are changing how healthcare is delivered, requiring specialized training," he continued. "Aldevron Tower will provide the basis for NDSU faculty and staff to provide this training, while providing new opportunities to students and researchers."

Once the expansion project is complete, all of the college's programs will be housed in Sudro Hall and Aldevron Tower, bringing together the next frontier of experiential learning and team-based healthcare for future generations of students and researchers.

The Prescription Drug Monitoring Program To Offer NarxCare Through Its Platform

The Board is pleased to announce an upcoming enhancement to the ND Prescription Monitoring Program (PMP). This is initially funded through a CDC Opioid Response Grant received through the ND Department of Health.

In December, all approved ND Prescription Monitoring Program (PMP) users will have access to an advanced analytics and patient support tool called NarxCare. In addition to the existing ND PMP functionality, NarxCare will aggregate and analyze prescription information from providers and pharmacies and present visual, interactive information, as well as advanced analytic insights, machine learning risk scores and more to help physicians, pharmacists and care teams to provide better patient safety and outcomes up front, for every patient, every time. NarxCare also provides tools and resources that support patients' needs and connects them to treatment, when appropriate.

With this enhancement, healthcare providers will have access to all of the features and functions of NarxCare with a consistent look and feel for users who access the solution through the ND PMP web portal. It also enables delivery of NarxCare within Electronic Health Record (EHR) and Pharmacy Management Systems for those prescribers and dispensers in North Dakota who choose to access NarxCare through integration within their healthcare IT system via Appriss Health's PMP Gateway solution.

Additional NarxCare information and training materials will be made available through the PDMP. Instructional videos on how to navigate NarxCare and how to interpret the NarxCare report will be available for viewing. At left is a fictitious patient profile showing an example of a NarxCare report.

11/19/2018
PMP AWARE

NarxCare Report
Alice Testpatient, COB: 01/01/1900 Report Prepared: 11/19/2018 Date Range: 11/19/2018 - 11/19/2018

TESTPATIENT, ALICE

Risk Indicators

NARX SCORES

Narcotic	Sedative	Stimulant
130	050	000

OVERDOSE RISK SCORE

150

(Range 000-999)

ADDITIONAL RISK INDICATORS (0)

This NarxCare report is based on search criteria supplied and the data entered by the dispensing pharmacy. For more information about any prescription, please contact the dispensing pharmacy or the prescriber. NarxCare scores and reports are intended to aid, not replace, medical decision making. None of the information presented should be used as sole justification for providing or refusing to provide medications. The information on this report is not warranted as accurate or complete.

Graphs

RX GRAPH ■ Narcotic ■ Sedative ■ Stimulant

Prescribers	Timeline
1 - Testprescriber, A	Timeline: 11/19 2m 6m 1y 2y

Morphine MgEq (MME)

Timeline
Timeline: 11/19 2m 6m 1y 2y

*The CDC guidance, the MME conversion factors prescribed or provided as part of the medication-assisted treatment for opioid use disorder should not be used to benchmark against dosage thresholds meant for opioids prescribed for pain. Buprenorphine products have no agreed upon morphine equivalency, and as partial opioid agonists, are not expected to be associated with overdose risk in the same dose-dependent manner as doses for full agonist opioids. MME = morphine milligram equivalents, LME = Lorazepam milligram equivalents, mg = dose in milligrams.

Summary

Summary	Narcotics* (excluding buprenorphine):	Sedatives*	Buprenorphine*
Total Prescriptions: 2	Current Qty: 0	Current Qty: 0	Current Qty: 0
Total Prescribers: 1	Current MME/day: 0.00	Current LME/day: 0.00	Current mg/day: 0.00
Total Pharmacies: 1	30 Day Avg MME/day: 0.00	30 Day Avg LME/day: 0.00	30 Day Avg mg/day: 0.00

Rx Data

PRESCRIPTIONS												
Total Prescriptions: 2												
Total Private Pay: 2												
Fill Date	ID	Written	Drug	Qty	Days	Prescriber	Rx #	Pharmacy	Refill	Daily Dose *	Pynt Type	PMP
01/01/2018	1	01/01/2018	ACETAMINOPHEN-COD #3 TABLET	120	30	AL TES	A00001	ALJ4567	0	18.00 MME	Private Pay	DE
10/17/2017	1	10/17/2017	ACETAMINOPHEN-COD #3 TABLET	120	30	AL TES	A00001	ALJ4567	0	18.00 MME	Private Pay	DE

PROVIDERS

Total Providers: 1

Name	Address	City	State	Zipcode	DEA
TESTPRESCRIBER, ALICE					BR1111111

PHARMACIES

Total Pharmacies: 1

Name	Address	City	State	Zipcode	DEA
ALICE'S PHARMACY	1011 FANE ST	WICHITA		57202	ZZ1234567

11/19/2018
PMP AWARE

Pharmacy

TOMORROW.
IMAGINE THAT.



TOMORROW. IMAGINE THAT.

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RPh Lic #	Name

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Amount _____

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