**Karen Bell Farris**

Charles R. Walgreen III Professor of Pharmacy Administration

Department of Clinical Pharmacy

University of Michigan College of Pharmacy

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Updated May 13, 2024

# EDUCATIONAL AND PROFESSIONAL HISTORY

**Education**

## Dates Institution Field of study Degree Date degree attended obtained awarded

1990-1993 The University of Michigan, Pharmacy Ph.D. 1993

Ann Arbor, MI

1988-1989 University of Memphis, Health Services M.P.A. 1989 Memphis, TN Administration

1983-1986 University of Tennessee - Pharmacy B.S. 1986

Memphis, Memphis, TN

1981-1983 Freed-Hardeman Pre-pharmacy na na

University, Henderson, TN

## Professional and Academic Positions

2023 – Senior Associate Dean, University of Michigan, Ann Arbor, MI

2019 – Executive Vice President, The Rho Chi Society, Ann Arbor, MI

2010 - Charles R. Walgreen III Professor of Pharmacy Administration, College of

Pharmacy, University of Michigan, Ann Arbor, MI (with tenure)

2017 – 2023 Director, Clinical Pharmacy Translational Sciences Graduate and Fellows

Program, University of Michigan, Ann Arbor, MI

2017 – 2024 Faculty Lead, Institute for Healthcare Policy and Innovation’s Digital Education, University of Michigan, Ann Arbor, MI

1. – 2020 Chair (Interim Chair 2014-2105), Department of Clinical Pharmacy, College of

Pharmacy, University of Michigan, Ann Arbor, MI

1. – 2018 Director, MICHR Pilot Grant Program, University of Michigan, Ann Arbor, MI

2010 - 2019 Professor, Health Behavior and Health Education, School of Public Health, University of Michigan, Ann Arbor, MI

2010 - 2017 Faculty associate, Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI

1. - 2017 Director, Social & Administrative Sciences, College of Pharmacy, Graduate

Program, University of Michigan, Ann Arbor, MI

2008 - 2010 Professor, Pharmacy Practice & Science, College of Pharmacy, University of Iowa, Iowa City, IA (with tenure) and Professor, Community and Behavioral Health, College of Public Health, University of Iowa, Iowa City, IA (secondary appointment).

2005 – 2009 Assistant Head for Post-Professional Education, Division of Clinical & Administrative

Pharmacy, College of Pharmacy, University of Iowa, Iowa City, IA

2000 - 2008 Associate Professor, Clinical and Administrative Pharmacy, College of Pharmacy, University of Iowa, Iowa City, IA (with tenure) and Associate Professor, Community and Behavioral Health, College of Public Health, University of Iowa, Iowa City, IA.

2000 - 2004 Adjunct Professor, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB Canada

1999 - 2000 Associate Professor, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB Canada (with tenure)

1993 – 1999 Assistant Professor, Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB Canada

1998 - 2000 Adjunct Professor, Department of Public Health Sciences, Faculty of Medicine and Oral Health Sciences, University of Alberta

1996 - 2004 Faculty Associate, Centre for Health Promotion Studies, University of Alberta,

Edmonton, AB Canada

1995-1997 Lecturer, Department of Public Health Sciences, Faculty of Medicine, University of Alberta, Edmonton, AB Canada

1995 Sessional Instructor (January –April), Department of Public Health Sciences,

Faculty of Medicine, University of Alberta, Edmonton, AB Canada

1991 - 1993 Research Assistant, M-Care Drug Utilization Review Program, College of

Pharmacy, The University of Michigan, Ann Arbor, MI

1991- 1992 Part-time pharmacist. Lucky Drugs #2, Ann Arbor, MI. Community pharmacy practice with emphasis on patient counseling.

1988 - 1989 Part-time pharmacist. PharmaThera, Inc., Memphis, TN. A home health care provider of TPN, growth hormone, pain management and chemotherapy medications to patients in the entire Mid-South area.

1986 - 1987 Staff pharmacist. St. Joseph Hospital, Memphis, TN

1986 Pharmacy internships (3 months). Mt. Edgecumbe Indian Health Service Hospital, Sitka, AK

**Recognition**

## Awards

2023 Tyler Prize for Stimulation of Research, American Pharmacists Association

101 Task Force, 2020 Michigan Center for IPE Awards for Innovation and Excellence, University of Michigan

Michigan Institute for Clinical & Health Research (MICHR) Distinguished Clinical and Translational Research Mentor Award, 2016

Outstanding Graduate Student Mentor Award in Biological and Life Sciences, University of Iowa, 2007

University of Iowa College of Pharmacy – P3 Class Teacher of the Year, 2006 Fellow, American Pharmacists Association, 2006.

American Association of Colleges of Pharmacy Lyman Award, for, Freml JM, Farris KB, Fang G, Currie J. Iowa Priority's Brown Bag Medication Reviews: A Comparison of Pharmacy Students and Pharmacists. *Am J Pharm Educ* 2004;68(2) Article 50.

## Honors

American Foundation for Pharmaceutical Education Fellow (1991-1993)

Phi Lambda Sigma Pharmaceutical Leadership Society (1986)

IMHOTEP Society (1986)

Rho Chi Pharmaceutical Honor Society (1984)

## Faculty Development

Personal coaching, *Cultivating the ART of Leadership,* 2024 -

*Cultivating the ART of Leadership,* 4 hours 2023-2024

deepSee Filter Shift, cultural competence training, 8 hours 2022-2023

IPEC Interprofessional Education Collaborative (IPEC) 2022 Institute Cohort

MORE Mentoring Workshop, Rackham Graduate School, Winter 2021

6 workshops – Online Learning; Inclusive Teaching; Learning Analytics, CRLT, Canvas at

Michigan, May 2020

ehpic™ (6 virtual modules) University of Toronto Centre for Interprofessional Education, May 2020

Big Ten Academic Alliance - Department Executive Officer Program, 2017

Leadership Fellow, University of Michigan Center for Interprofessional Education, 2016

Fellow, CHRT (Center for Healthcare Reform and Transformation), 2015

Fellow, CIC Academic Leadership Program, University of Michigan, 2013-2014 Fellow, AACP Academic Leadership Fellows Program, 2009-2010

# TEACHING

**Teaching Assignments at The University of Michigan**

## Professional

### 2011-present P680 PharmD Seminar (1 credit)

Each year I mentor two student pharmacists in seminar. The topic is either their Pharm.D. Investigation that they completed with me or a topic related to my ongoing research.

### 2011-present PharmD Investigation (6 credits)

Each year I mentor two student pharmacists in their PDI project, which means that I mentor 6 students over 3 years. I used secondary survey data and students develop an analysis plan, learn and apply SPSS, and generate a poster.

**2014-present** **P704 EBM/Ethics**

I each one 2 hour session focused on the basics of ethical principles and reproductive health.

### 2018-present Strategies to Reduce Opioid Misuse

I led three organizations (Institute for Healthcare Policy & Innovation, Injury Prevention Center and M-Open) in the development of a massive, open, online course about reducing opioid misuse with the University of Michigan Academic Innovations. We used about 20 faculty from across campus to develop content that will be available world wide; updated 2023.

### 2020-2022 P503 Social Determinants of Health (2 credits)

Course coordinator and instructor. This online course explores the social determinants of health and the social ecological model, applying them to cases where pharmacists deliver care. Cases include examples of direct patient care (diabetes and homelessness; COPD and joblessness/lack of social support; diabetes and positive SDOH) as well as interprofessional team care to address SDOH. Weekly assignments in groups or individuals are required as well as up to 6-8 synchronous classes.

### Winter 2021-Winter 2022 LIFE (Longitudinal Interprofessional Family-based Experience) Learning Activities

This non-credit learning activity is comprised of8 hours of contact time, and health profession students are assigned to teams of 5-6 students. They interview a family member/family with an illness on two occasions to understand social determinants of health and the social ecological model. I helped design the course objectives and am leading its evaluation. (Winer 2021 did not serve as a facilitator; Winter 2022 facilitator.)

### 2017-2023 IHPI Understanding and Improving the US Healthcare System Online Course

(1 credit).

In Pharmacy, this online course is placed in P503, and I coordinate its use in the College of Pharmacy. I am also the Lead Faculty on its campus-wide delivery embedded Dentistry and open enrollment into PUBHLTH 626 as well as some nursing students.

2015-2020 P503 Service Learning for Health Professionals (2 credits)

This service-based course explores issues of health disparities, poverty and the medically-underserved through an inter-professional lens. The course is open to all health professions students. Students complete 20 hours of direct service to a health center or community agency and attend up to 9 class discussion sessions. This course runs both semesters and I coordinate it and lead 1 class session each semester.

2011-2017 P516 Pharmacy and the United States Healthcare System (2 credits)

This course introduces student pharmacists to the US healthcare system. I provided 33% of course content from 2011-2016. In 2017, I coordinated this course and provided 60% of the content.

2015-2016 P616 Health System Practice, Management & Leadership (2 credits)

This course provides information and experiences to student about health system management. I coordinated the course but provided no instruction. I assisted in grading presentations.

2011-2016 P501 Introduction to Pharmacy (2 credits)

This course introduces the pharmacy profession to first year students using themes including evolution of pharmacy practice; professionalism and roles of health

professionals; career exploration and leadership. Various teaching methods are employed including reading/quizzes, lecture, class discussion and experiential learning. I served as course coordinator and instructor 2011-2013 (~10 contact hours). I provided 2-4 hours of instruction 2014 and 2015.

## Graduate

### Fall 2018, 2020, Winter 2023-2025 CPTS 830 Health Services Research

The purpose of Health Services Research is to introduce the learner to theory and

study designs used in medication use outcome studies. Topics such as medication adherence, care transitions, health disparities and pharmacy practice form the context and specific methods include survey designs, quantitative and qualitative designs, practice-based research and secondary analyses. I teach 5 weeks and share an additional 2 weeks of the course. Co-taught by Farris and Coe.

**Fall 2018 to** **present** **CPTS 801 Research Grant Proposal**

The purpose of this course is for graduate students to gain knowledge and experience in writing innovative research questions and hypotheses for grant applications. The course consists of several interactive lectures and workshops about the process of grant writing. Students select a topic from one of several options and complete most aspects of an NIH R21 grant. A writing group discussion and/or presentation for peer feedback is expected several times throughout the semester. Co-taught by Hertz and Farris.

**Fall 2019 to present, CPTS 803 Research Grant Proposal**

The purpose of this course is for graduate students to write their dissertation proposals, in collaboration with course coordinators and their mentors. Students write a grant in the format of an R21 grant. A writing group discussion and/or presentation to the group for peer feedback is expected over several drafts. The final proposal is defended for the dissertation committee and invited guests. Cotaught by Farris and Stringer.

### Winter 2022 CPTS 850 Clinical Pharmacy Translational Sciences Seminar

This semester I coordinated the seminar. During this semester, each graduate student in our program provides a presentation and we have 4 invited guests. Peer and self evaluation of seminar presentations is required this semester.

Winter 2013 Socadmin 715 Using Behavioral Theories to Understand Prescription Medication **Use** Introduces theoretical models used in studying health behavior in social & administrative pharmacy research. Models form health behavior, health psychology and health services research are included.

Fall 2013 Socadmin 725 Managing the Medication Use System

Teach a readings course focused on quality and how quality concepts are applied to the medication use process.

Winter 2012 Socadmin 715 Pyschosocial Factors in Medication Use Behaviors

Co-teach with S. Kucukarslan and R. Bagozzi with focus on theories related to medication adherence and other medication use behaviors.

Fall 2011-2014 Socadmin 839 PICO Seminar

Coordinate and teach this semester-long seminar series every 2 years. We use active learning strategies such as writing group or presentations, with a focus on the development of specific aims or proposal methodology.

**Teaching at Chulalongkorn University, Bangkok, Thailand**

## Graduate

Oct - Dec 2013 Using Behavioral Theories to Understand Prescription Medication Use

Introduced theoretical models used in studying health behavior in social & administrative pharmacy research. Models from health behavior, health psychology and health services research were included.

**Teaching Assignments at The University of Iowa (2000 to 2010)**

## Professional

Spring 2009 - 2010 PHAR 45:122 Social Aspects of Pharmacy Care

Taught 33% of this required course. The course was intended to provide instruction in conceptual issues related to the social and behavioral components of pharmacy care, with particular attention to social construction of health and illness, medication use behaviors, changing behavior, health communications, cultural competence and public health. I coordinated the course, was responsible for 5.5 2-hour class periods and two of four class projects.

Fall 2003 – 2009 PHAR 46:130 Core Principles in Pharmaceutical Socioeconomics

Co-taught this course which provided an integrated framework of theoretical and empirical information about the socioeconomic principles of healthcare, medication use and pharmacy practice. Specifically, I taught in the pharmacist and patient sections of the course including topics such as factors impacting the provision of pharmaceutical care, impact of pharmacists’ care in community practice, patient roles in drug use process, factors impacting adherence and mechanisms to improve adherence. I provided ~10 lectures/.

Spring 2003 – 2007, 2009 PHAR 46:255 Social Pharmacy (Professional/Graduate)

Taught 50% of this elective course. The course was intended to provide an in-depth examination of the conceptual issues related to the social and behavioral components of health care, with particular attention to medication use. Topics that I taught included medicalization & self care, health literacy, drug-related morbidity & mortality, feminization of pharmacy, access to pharmaceuticals, pharmacists’ job satisfaction and pharmaceutical care in other countries. I taught 7 lectures/discussions and coordinated the poster activity in this course.

Spring 2005 – 2009 PHAR 45:119 Professional Practice Lab VI

This course was the last of six sequenced courses focused on learning and application of practice skills. In this course, I assisted in the development of one lab focused on medication adherence. For the lab, we reviewed ways to identify nonadherence, used case studies to identify two types of medication nonadherence. I also demonstrated adherence aids. Time spent in lab was comprised of three two-hour lab periods.

Fall 2003 - 2005 & Spring 2005 – present (yearly) PHAR 45:117 Professional Practice Lab IV

This course was the fourth of six sequenced courses focused on learning and application of practice skills. In this course, I provided instruction on behavioral strategies to assist smoking cessation. We used one hour of lecture/discussion to review principles learned in a reading and I also participated in case-based role playing in three two-hour labs.

Spr 2002 & 2003, Fall 2003 – 2007 PHAR 46:115 Drug Literature Evaluation.

This course was intended to prepare student to use evidence-based approaches to providing patient care, by reviewing and critiquing the medical literature. In this course, I taught 3 one-hour lectures focused on epidemiological designs (case-control and cohort) and I led two lab sessions and participated in an additional two lab sessions.

## Graduate

Fall 2000, 2002, 2004, 2006, 200, 2009

PHAR 46:263 Theory in Pharmaceutical Socioeconomics I

Co-taught this survey course of economic and social psychology theory relating to individual choices regarding pharmaceuticals and health behavior. Specifically, I taught the health behavior models including, for example, health belief model, theory of planned behavior and Precede-Proceed. I taught seven 3-hour lectures/discussions.

Spring 2003, 2004, 2005, 2007, 2010

PHAR 46:173 Introduction to Research Methods

Coordinated and taught 40% of this introductory course in research Methods. Topics that I covered were forming your research questions, research design, experimental design, quasi-experimental design, epidemiologic designs, populations/sampling, field research/evaluation and content analyses. I taught ~10 lectures/discussions.

Spring 2001, 2003, 2005 & Fall 2006, Fall 2009

PHAR 46:213 Pharmaceutical Socioeconomics Seminar

I coordinated the graduate seminar during the times listed and participated in all other semesters. Each semester, we worked on a specific skill. In this course, I asked our graduate students to participate in activities such as topical debates, peer-reviewing each other’s papers and writing a 0.5 page summary of 10 research articles about health literacy.

### Faculty Mentoring Committees

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Committees** | **Dates** | **Activity** | | **Role** |
| Geoffrey Siwo, PhD | 2023-present | MICRH KL2 | | Member |
| Emily Foxen-Craft, PhD | 2021-present | MICHR KL2 | | Member |
| Michael Smith, PharmD | 2021-present | UM OAIC REC | | Co-mentor |
| Antoinette Coe, PharmD, PhD | 2021-present | NIH K08 | | Co-mentor |
| Beatriz Mitrzyk, PharmD | 2019-2022 | MICRH KL2 | | Co-mentor |
| Joyce Wang, PhD | 2019-2021 | MICHR PTSP | | Member |
| Jennifer Pierce, PhD | 2019-2021 | MICHR PTSP | | Member |
| Nidhi Sukul, MD | 2018-2019 | MICHR PTSP | | Member |
| Antoinette Coe, PharmD, PhD | 2017-2019 | KL2 | | Mentor |
| Megan Weivoda, PhD | 2018-2019 | UM Launch | | Chair |
| Mike Dorsch, PharmD | 2018-2019 | UM Launch | Member | |
| Corey Lester, PharmD, PhD | 2018/2019 | UM Launch | Member | |
| Noel Webster,PhD | 2016-2018 | MICHR PTSP | Member | |
| Jasmine Luzum, PharmD, PhD | 2016-2017 | UM Launch | Member | |
| Antoinette Coe, PharmD, PhD | 2016-2017 | UM Launch | Member | |
| Paula Ann Newman-Casey, M.D. | 2013-present | K-award | Member | |

**Post-Doctoral Trainees**

|  |  |
| --- | --- |
| **Individual Period Position attained Institution** | |
| C Phanudulkitti, PhD 2019-2021 Lecturer | Burapha Univ, Thailand |
| Beatriz Mitrzyk, PharmD 2016-2019 Assistant Professor | Univ of Michigan |
| Teresa Salgado, PhD 2014-2016 Assistant Professor | Virginia Commonwealth University |
| Souhiela Fakih, PhD 2014-2015 Assistant Professor | Chapman University |
| Isabelle Cote, PhD 2000-2002 Health economics & | Pharmaceutical industry |
| outcomes research | (now in AUS) |

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**Graduate Students Supervised**

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| **Individual Period/End Degree** | | | | | | **Institution** | **Role** | | **First position** | | | |
| Mohamad Ismail | | 2023- | | Ph.D. | | U. Michigan | | Supervisor | TBN |
| Amna Rizvi-Toner | | 2019- | | Ph.D. | | U. Michigan | | Supervisor | TBN |
| Chinwe Eze | | 2018-2023 | | Ph.D. | | U. Michigan | | Supervisor | Post-doc, Univ of Michigan Center for IPE |
| Sumit Chhabra | | 2015-2019 | | Withdrew | | U. Michigan | | Supervisor |  |
| David Malewski | 2017 | | Ph.D. | | U. Michigan | | Co-supervisor | | Touro University, CA |
| Ala Iaconi | 2017 | | Ph.D. | | U. Michigan | | Supervisor | | Post-doc, UM |
| Chi-Mei Liu | 2016 | | Ph.D. | | U. Michigan | | Supervisor | | KP, Santa Clara |
| Justin Gatwood | | 2014 | | Ph.D. | | U. Michigan | | Co-supervisor | | U. Tennessee | |
| Erin Thatcher | | 2014 | | Ph.D. | | U. Michigan | | Supervisor | | Drake Univ | |
| Olayinka Oladimji | | 2009 | | Ph.D. | | U. Iowa | | Supervisor | | U. South Dakota | |
| Michael Andreski | | 2009 | | Ph.D. | | U. Iowa | | Supervisor | | Drake Univ | | |
| Elizabeth John | | 2008 | | Ph.D. | | U. Iowa | | Supervisor | | Roseman Univ | | |
| Yifei Liu | | 2007 | | Ph.D. | | U. Iowa | | Co-supervisor | | UMKC | | |
| Carlyn Volume | | 2002 | | Ph.D. | | U. Alberta | | Supervisor | | Alberta Blue Cross | | |

**Membership/Examiner on doctoral committees for students that I do not supervise**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Shana Littleton | | |  | | | | 2021- | | Ph.D. | | U. Michigan |  | Chair | | |
| Abbie Leino | | | | | | | 2020- | | Ph.D. | | U. Michigan | | Member | | |
| Fahad Alzahrani | | | |  | | | 2019 | | Ph.D. | | U Waterloo | | External examiner | | |
| Poornima Cooray | | | | | | | 2017 | | Ph.D. | | Charles Darwin University AUS | | External examiner | | |
| Amanda Elaro | |  | | | | | 2017 | | Ph.D. | | Sydney University | | External examiner | | |
| Chamipa Phadudulkitti | | | | | | | 2017 | | Ph.D. | | Chulalongkorn U. | | Member | | |
| Sujit Nitadpakorn | | | | |  | | 2016 | | Ph.D. | | Chulalongkorn U. | | Member | | |
| Hanni Puspitasari | | | | | | | 2015 | | Ph.D. | | Sydney University | | External examiner | | |
| Nia Aitaoto |  | | | | | | 2013 | | Ph.D. | | U. Saskatchewan | | Member | | |
| Connie Van | | | | | | | 2012 | | Ph.D. | | Sydney University | | External examiner | | |
| Tim West | | | | | | | 2012 | | Ph.D. | | U. Saskatchewan | | External examiner | | |
| Amber Goedken | | | | | | | 2011 | | Ph.D. | | U. Iowa | | Member | | |
| Melissa Lehan-Makin | | | | | | | 2011 | | Ph.D. | | U. Iowa (Nursing) | | Member | | |
| John Dunlop | | | | | | | 2010 | | Ph.D. | | U. Auckland | | External examiner | | |
| Jason Perepelkin | | | | | | | 2008 | | Ph.D. | | U. Saskatchewan | | | External examiner | | |
| Fadi Alkhateeb | | | | | | | 2007 | | Ph.D. | | U. Iowa | | | Member | | |
| Daniel Gregory | | | | | | | 2007 | | Ph.D. | | U. Iowa (Epidemiology) | | | Member | | |
| Eun Cho | | | | | | | 2006 | | Ph.D. | | U. Iowa | | | Member | | |
| Yongming Zhao | | | | | | | 2006 | | Ph.D. | | U. Iowa | | | Member | | |
| Alison S. Roberts | | | | | | | 2005 | | Ph.D. | | U. Sydney | | | Examiner | | |
| Shari Chen-Hardy | | | | | | | 2005 | | Ph.D. | | U. Iowa, (Epidemiology) | | | Member | | |
| Benjaporn Kingroungpet | | | | | | | 2005 | | Ph.D. | | U. Iowa | | | Member | | |
| Donald Klepser | | | | | | | 2005 | | Ph.D. | | U. Iowa | | | Member | | |
| Tae-Ryong Park | | | | | | | 2004 | | Ph.D. | | U. Iowa | | | Member | | | |
| Sheri Maddigan | | | | | | | 2004 | | Ph.D. | | U. Alberta | | | Member |
| Shrividya Iyer | | | | | | | 2003 | | Ph.D. | | U. Iowa | | | Member | |
| Tanattha Kittisopee | | | | | | | 2001 | | Ph.D. | | U. Iowa | | | Member | |

**Membership on doctoral preliminary examination**

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| --- | --- | --- | --- | --- |
| Shana Littleton | 2022 | Ph.D. | U. Michigan | Chair |
| Abbie Leino | 2020 | Ph.D. | U. Michigan | Co-mentor |
| Amna Rizvi-Toner | 2020 | Ph.D. | U. Michigan | Mentor |
| Chinwe Eze | 2019 | Ph.D. | U. Michigan | Mentor |
| Sumit Chhabra | 2015 | Ph.D. | U. Michigan | Paper mentor |
| Yun Han | 2014 | Ph.D. | U. Michigan | Examiner |
| David Malewski | 2014 | Ph.D. | U. Michigan | Examiner |
| Chi-Mei Liu | 2014 | Ph.D. | U. Michigan | Paper Mentor |
| Xi Tan | 2013 | Ph.D. | U. Michigan | Examiner |
| Erin Thatcher | 2012 | Ph.D. | U. Michigan | Paper Mentor |
| Ala Iaconi | 2012 | Ph.D. | U. Michigan | Paper Mentor |
| Justin Gatwood | 2012 | Ph.D. | U. Michigan | Examiner |
| Isha Patel | 2011 | Ph.D. | U. Michigan | Paper Mentor |
| Nia Aitaoto | 2011 | Ph.D. | U. Iowa | Examiner |

**Supervision of M.S. students**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Devyani Bhatnager | 2024 | MSIPS | U. Michigan | Mentor |
| Maisa Nazzal | 2024 | MSIPS | U. Michigan | Mentor |
| Charles Yoo | 2014-2015 | MSCR | U. Michigan | Co-supervisor |
| Meera Vara | 2015 | M.Pharm. | Nottingham University | Project co-mentor |
| Sarah Higgie | 2014 | M.Pharm. | Nottingham University | Project mentor |
| Matt Lau | 2013-2014 | MSCR | U. Michigan | Supervisor |
| Erin Thatcher | 2010 | M.Sc. | U. Iowa | Supervisor |
| Daniel Ashwood | 2010 | M.Sc. | U. Iowa | Supervisor |
| Gang Fang | 2004 | M.Sc. | U. Iowa | Supervisor |
| Yifei Liu | 2004 | M.Sc. | U. Iowa | Co-supervisor |
| Sherry L. Dieleman | 2003 | M.Sc. | Center for H. Promotion Studies, U. Alberta | Co-supervisor |
| Sheri Maddigan | 2001 | M.Sc. | U. Alberta | Supervisor |
| Jennifer Hystad | 2000 | M.Sc. | Center for H. Promotion Studies, U. Alberta | Supervisor |
| Carlyn Volume | 1998 | M.Sc. | Center for H. Promotion Studies, U. Alberta | Supervisor |
| Wendy Gaudet | 1998 | M.Sc. | U. Alberta | Supervisor |

**Membership on M.Sc. committees**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Erica Spies | 2009 | M.Sc. | U. Iowa (CBH) |  |  | Member |
| Scot Simpson | 2001 | M.Sc. | U. Alberta |  |  | Member |
| Lisa Schapansky | 2000 | M.Sc. | U. Alberta |  |  | Member |
| Karen Sullivan | 1996 | M.H.S.A. | U. Alberta |  |  | Member |

**Professional or BSPS Students Supervised**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | | **Student name** | **Course/Project** | | **Outcome** | |
| 2023-2025 | | Tasha Merillat | PharmD Investigation | … | | |
| 2023-2025 | | Ankita Chittprolu | PharmD Investigation | … | | |
| 2024 | | Charles Freese | Research assistant (BSPS) | Recruitment | | |
| 2022-2024 | | Hilary Mansoor | Research assistant | Poster; paper | | |
| 2022-2024 | | Emily Galli | PharmD Investigation | Poster; seminar | | |
| 2022-2024 | | John Braganza | PharmD Investigation | Poster; seminar | | |
| 2022-2022 | | Jessica Patalino | Research assistant (BSPS) | Recruitment | | |
| 2022-2022 | | Lindsay Cohen | Research assistant | Recruitment/literature review | | |
| 2021-2023 | | Shahada Ahail | PharmD Investigation | Poster; seminar | | |
| 2021-2023 | | Bayan Chbib | PharmD Investigation | Poster; seminar | | |
| 2020-2022 | | Matt Wilcox | PharmD Investigation | Report submitted | | |
| 2020-2022 | | Maya Osman | PharmD Investigation | Poster | | |
| 2020-2022 | | Camerson McKenzie | PharmD Investigation | Poster | | |
| 2019-2021 | | Kristina Bednarz | PharmD Investigation | Poster | | |
| 2019-2021 | | Chad Compagner | PharmD Investigation | Poster | | |
| Sum 2018 | | Fatima Waheedi | Summer Student | Recruitment; literature review | |
| Sum 2018 | | Erica Godley | Summer Student | Recruitment; literature review | |
| 2017-2018 | | Anisa Bici | Pharm 570, 1 credit | Literature review; analysis; manuscript | |
| 2017-2020 | | Randi Katz | PharmD Investigation | Poster | |
| 2017-2020 | | Amanda Fodera | PharmD Investigation | Poster | |
| 2017 | | Randi Katz | Pharm 570, 1 credit | Literature review | |
| Sum 2017 | | Erica Godley | MICHR Summer Student | Poster; manuscript | |
| Sum 2017 | | Melinda Cook | MICHR Summer Student | Poster; manuscript | |
| Sum 2016 | | Joseph Hubbard | MICHR Summer Student | Poster | |
| 2019 | | Megahn Lammers | PharmD Investigation | Poster | |
| 2016-2019 | | Noor Hermiz | PharmD Investigation | Poster | |
| 2016-2019 | | David Iong | PharmD Investigation | Poster | |
| 2016-2018 | | Jeff Holm | PharmD Investigation | Poster | |
| 2016-2018 | | Mathew Barras | PharmD Investigation | Poster | |
| 2016-2018 | | Alysha Switalski | PharmD Investigation | Poster | |
| 2016-2018 | | Emma Davis | PharmD Investigation | Poster | |
| 2015-2017 | | Jennifer Liang | PharmD Investigation | Poster | |
| 2015-2017 | | Alexa Fedrigon | PharmD Investigation | Poster | |
| 2015-2017 | | Jillian Syverson | PharmD Investigation | Poster | |
| 2015-2017 | | Caroline Quinn | PharmD Investigation | Poster | |
| 2014-2017 | | Katrina Hegde | PharmD Investigation | Poster | |
| 2014-2016 | | Mike Kosal | PharmD Investigation | Poster | |
| 2014-2016 | | Sushma Shiravanthe | PharmD Investigation | Poster | |
| 2012-2013 | | Stephanie Burke | Paul Ambrose Scholarship Project | Completed, report submitted | |
| 2012-2013 | | Katrina Hegde | Student employee | Data collection | |
| 2012-2013 | | Stephanie Burke | Student employee | Data collection | |
| 2013-2015 | | Ryan DasGupta | PharmD Investigation | Poster | |
| 2013-2015 | | Ben Korman | PharmD Investigation | Poster | |
| 2013-2015 | | Kallie Amer | PharmD Investigation | Poster, publication underway | |
| 2013-2015 | | Mike Straub | PharmD Investigation – comentored with Dr. H. Diez | Poster | |
| 2012-2014 | | Uhunoma Osazuwa | PharmD Investigation | Poster | |
| 2012- | 2014 | Nadia Aneese | PharmD Investigation | Poster, publication submitted | |
| Sum 2012 | | Ryan DasGupta | Summer Research | Poster | |
| 2012-2013 | | Ahmed Guhad | SocAdmin 570, 1 credit | Completed: Data collection and methods written | |
| 2012 | | Abbie Leino | SocAdmin 570, 1 credit | Completed: Report submitted | |
| 2012-2013 | | Kallie de Jong | SocAdmin 570, 1 credit | Completed: Data analysis in HRS | |
| 2011-2012 | | Katie Kaminski | PharmD Research | Poster | |
| 2011-2012 | | KyAnn Wisse | PharmD Research | Poster | |
| 2011 | | Amanda King | Student employee | Data collection/analysis for CPF: report | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Student name** | | **Course/Project** | | **Outcome** |
| 2010-2011 | | Emily Israel | | Student employee | Poster |
| 2010 | | Dazhi Liu | | 046:101, 1 credits | Data collection |
| 2010 | | Nicole Cox | | Student employee | U3P pharmacist/consumer comparison of attitudes |
| 2009-2010 | Stephanie Lukas | | Student employee | | U3P marketing materials; Cowrote pharmacist training program |
| 2009-2010 | Julie Freeman | | Student employee | | TIMER analyses; Drafted manuscript; U3P data entry |
| 2008-09 | Ann Schwemm | | Internship advisor | | APhA Poster; Co-wrote pharmacist training program |
| 2009 | Ashley Faber | | Student employee | | ACOVE translation; MYM translation |
| 2008-09 | Jill Robertson | | Student employee | | Wrote one educational brochure; Publication |
| 2007-08 | Ann Schwemm | | Student employee | | Designed and administered pharmacist fax survey |
| 2007-08 | Ann Higley | | Student employee | | Poster |
| Fall 2007 | Sarah Lee | | Pharm.D. Research Rotation | | Poster, Published paper |
| Fall 2007 | Ashley Faber | | 046:101, 2 credits | | Data entry for Ask-Advise-Refer at UIHC, abstract submitted with  UIHC resident |
| Spring 2007 | Kate Devine | | Pharm.D. Research Rotation | | *IPA Journal* article published |
| Fall 2006 | Ann Higley | | 046:101, 2 credits | | Data entry and paper in draft format |
| Spr 2006 | Brett McConnell | | 046:101, 3 credits | | Data collected for NIH grant submission |
| Spr 2006 | Mary Mosher | | 046:101, 1 credit | | Data entry |
| Spr 2006 | Kristina Kruskol | | Pharm.D. Research Rotation | | Manuscript submitted |
| Spr 2006 | Jason Jenkins | | Pharm.D. Research Rotation | | Final report to Iowa Department of Health & Human Services |
| Fall 2005 | Jennifer Wood | | Pharm.D. Research Rotation (coordinated 3 Spanish pharms) | | Final report completed |
| Sum 2005 | Jess Purcell | | Pharm.D. Research Rotation | | Poster, Published paper |
| Spr 2005 | Nichole Versluis | | 046:101, 2 credits | | Honors project |
| Spr 2005 | Tatum Mead | | 046:101, 1 credit | | Poster |
| Spr 2005 | Theresa Vavra | | 046:101, 2 credits | | Poster, Published paper |
| Spr 2005 | Lisa Hickey | | Pharm.D. Research Rotation | | Published paper |
| Fall 2004 | Nichole Versluis | | 046:101, 2 credits | | Honors project |
| Fall 2004 | Danielle Ficke | | 046:101, 2 credits | | Published paper |
| Fall 2004 | Tatum Mead | | 046:101, 1 credit | |  |
| Spr 2004 | Brent Hiley | | Pharm.D. Research Rotation | | Proposal written |
| Spr 2004 | Lisa Hickey | | 046:101, 1 credit | |  |
| Spr 2004 | Amanda Peffer | | 046:101, 2 credits | |  |
| Spr 2004 | Brent Hiley | | 046:101, 1 credit | | Data entered for funded study |
| Fall 2003 | Justin Schneider | | 046:101, 1 credit | | Data entered for funded study |
| Fall 2003 | Amiee Andersen | | Pharm.D. Research Rotation | |  |
| Sum 2003 | Jared Freml | | Pharm.D. Research Rotation | | Poster, Published paper, AACP Lyman award |
| Spr 2002 | Jennifer Tryon | | 046:101, 1 credit | | Poster, Published paper |
| Fall 2001 | Jennifer Tryon | | 046:101, 1 credit | |  |

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## Peer-Reviewed Papers Under Review

Olivia S Anderson, Vinoothna Bavireddy, Thomas Bishop, Vincent Marshall, **Karen B Farris.** Introductory experiential learning in IPE teams: changes in team collaboration and cultural attitudes and beliefs. *J Interprof Educ Pract* 2022 (submitted).

## Non-Peer-Reviewed Papers/Editorials

15. **Karen B. Farris**. Medications and care coordination: prevalence, measurement and reduction of errors. Prescriptions for Excellence,September 2011 (newsletter for Jefferson School of Population Health, Philadelphia, PA).

14. Elizabeth Unni, Olayinka Shiyanbola, **Karen B. Farris**. Priority Paper Evaluation: Treatment non-adherence in homebound elderly in a Spanish population. *Aging Health* 2010;6:675678*.*

13. **Karen B. Farris**, Kathleen A. Johnson. Pharmacists in public health: It's a good start! *J Am Pharmacists Assoc* 2010;50:128-130.

12. Kathleen Devine\*, **Karen B. Farris**. Association of pain medication availability and crime statistics in Des Moines, Iowa and surrounding areas. *IPA Journal* 2007 Jul/Aug/Sep:63-66.

11. Jessica Purcell\*, **Karen B. Farris**, Mary Aquilino. Iowa pharmacists working in tobacco free pharmacies. *IPA Journal* 2004;May/June:40-41.

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7. Trudy Huyghebaert\*, **Karen B. Farris**, *Carlyn I. Volume*. Barriers to pharmaceutical care: perceptions of Alberta community pharmacists. *Canadian Pharmaceutical Journal* 1999;132(2):36-42.

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## Book Chapters

3. **Karen B. Farris**. Medicare Part D (Chapter 17). In Desselle S, Zgarrick D, eds. Pharmacy Management: Essentials for All Practice Settings. New York, NY: McGraw Hill Professional, 2nd ed, 2009:285-302.

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## Book Reviews

3. **Karen B. Farris** [Book Review]. Pharmaceutical care practice: the clinician’s guide, 2nd ed. *Am J Pharm Educ* 2004;68 (5) Article 124.

2. **Karen B. Farris** [Book Review]. Emerging theories in health promotion practice and research: strategies for improving public health. *Annals of Pharmacotherapy* 2002;36:19778.

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## Letters

4. Robin E. Meyer\*, **Karen B. Farris**, Alan Zillich, Mary Aquilino. Documentation and uses of smoking status information in pharmacy dispensing software. *Am J Health Sys Pharm* 2004;61:101-2.

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## Dissertation

**Karen B. Farris**. *Trying to prevent and correct drug-therapy problems: a survey of Michigan community pharmacists*. Ph.D. Dissertation, University of Michigan, 1993.

**Presentations** (selected presentations from 2020 to present; presenter is underlined)

238. Ismail M, Coe AB, Manzor-Mitrzyk B, Patel M, Gutterman T, **Farris K**. Using mixed-methods to develop an intervention to optimize OAA self-management among Arab Americans. Podium. Midwest Social and Administrative Pharmacy Conference, Iowa City, June 17-19, 2024.

237. Rizvi-Toner A, Marshall V, **Farris K**. Patient confidence to manage symptoms, symptom severity, and adherence during the first month of oral anticancer agent therapy. Podium. Midwest Social Administrative Pharmacy Conference. Iowa City, IA. June 17-19, 2024.

236. Coe AB, Bhatnager D, Flect M, Gong J, Gio Z, LiuT, Nazzal M, Qin Z, Vahora M, Ismail M, Tran N, Farris KB. Perceptions of professional behavior in a midwestern college of pharmacy community. International Social Pharmacy Workshop, July 7-11, 2024, Banff, CA.

235. Chang HP, Rowell BE, Farris KB, Bergman N, Coe AB. Determinants of medication adherence problems among rural, older adult participants of an Area Agency on Aging community care transition initiative. American Pharmacists Association Annual Meeting, Orlando, FL, March 24-27, 2024.

234. Farris KB, Anderson OS, Blazer K, Bishop T, Edwards H, Figzgerald M, Battison DK, Rulli D, Smith LJ. Patient evaluations of interprofessional student healthcare teams: opportunity to rate teams is variable while participation is positive. NEXUS Summit 2023, Virtual.

233. Smith LJ, Edwards H, Farris KB, Fitzgerald , Anderson OS, Balzer K, Bishop T, Rulli D, Mattison D. Early experiential interprofessional offerings: innovation in scaling and sustatinability. NEXUS Summit 2023, Virtual.

232. Coe AB, Rowell BE, Whittaker PA, Ross AT, Ngyuen KTL, Bergman N, Farris KB. An Area Agency on Aging Community Care Transition Initiative for Rural Older Adults: Medication Problems from a Pharmacist Telehealth Comprehensive Medication Review. American Geriatric Society 2023, Long Beach, CA, May 4-6, 2023.

231. Rizvi-Toner A,Mackler E, Marshall V, **Farris KB**. Exploring symptom severity, adherence, and confidence to manage symptoms and seek care in patients taking oral anticancer agents. American Pharmacists Association Annual Meeting, Phoenix, Arizona, March 24-27, 2023.

230.Eze CE, Dorsch MP, Coe AB, Lester CA, Buis LR, **Farris KB**. Remote Blood Pressure Telemonitoring: e-Health Literacy and Behavioral Factors related to Participation. Oral Poster forum presentation at American Pharmacists Association Annual Meeting, Phoenix, Arizona, March 24-27, 2023.

229. Adeoye-Olatunde O, Mitrzyk BM, Salgado TM, Shiyanbola OO, **Farris KB**. Standard workshop: Community-engaged scholarship: Gaining insights from different community-engaged experiences across the continuum. International Social Pharmacy Workshop, July 26, 2022.

228. Rizvi-Toner A, Mackler E, Romo K, Marshall V, **Farris KB**. Predicting confidence to manage symptoms and seek medical care in patients taking oral oncolytic therapy. ISPW Workshop Chicago, July 26, 2022.

227. Eze CE**,** Dorsch MP, Coe AB, Buis LR, **Farris KB**. Facilitators and Barriers of Technology use in Blood Pressure Telemonitoring: A Mixed-methods Study. Podium presentation made at Midwest Social and Administrative Pharmacy Conference, Chicago, July 26th, 2022.

**226.** Eze CE**,** Marshall VD, Mansoor H, Coe AB, Kadri R, Buis LR, **Farris KB**. Implementation of a cellular-enabled, remote blood pressure monitoring system for residents of AAHC. American College of Clinical Pharmacy Global Conference on Clinical Pharmacy, San Francisco, California, October 17, 2022.

**225. Farris KB, Anderson O, Balzer K, Bishop T, Fitzgerald M, Mattison DK, Patterson V, Smith L, Ursuy P. Introductory, experiential, inter-professional education (IPE) teams: concordance in ratings of team performance by students, patients and faculty experts. Nexus Summit, August 20-23, 2022.**

224. Mitrzyk BM, Santos M, Bishop R, Valencia J, Farris KB. Qualitative analysis of culture and depression treatment among US Latinx adults with depression. ACNP 60th Annual Meeting: Poster abstracts. *Neuropsychopharmacol.* 2021:46:368-9. https://doi.org/10.1038/s41386-021-01237-6, San Juan, Puerto Rico, January 2022.

223. Eze C, Dorsch M, Coe A, Farris KB. Facilitators and barriers of technology use in blood pressure telemonitoring: A Mixed-methods Study. APhA Annual Meeting, San Antonio, TX, March 19, 2022.

222. Mackler ER, Farris KB, Gatwood KS, Rizvi-Toner A, Wallace A, DashputreA, RajpurohitA, Farley J, Gatwood J. Primary care oncology model (PCOM): implementation of a model intergrating primary and oncology care for patients taking oral anticancer agents. J Clin Oncol 2021;39:580-7.

221. Mattison D, Balzer K, Trupiano N, Smith L, Anderson O, Fitzgerald M, Bishop T, Farris K, Patterson V, Rulli D. Putting the Patient in IPE: Engaging Patient Advisors in Experiential IPE Learning and Evaluation. NEXUS Summit 2021. Seminar Presentation on September 29, 2021.

220. Smith LJ, Mattison D, Balzer K, Bishop T, **Farris K,** Fitzgerald M, Gross M, Rulli D, Patterson V, Phanudulkitti C, Trupiano N, Anderson O. Longitudinal interprofessional family-based experience (LIFE): A framework for virtual experiential introductory learning. 14th MiPERC, Virtual Meeting, September 23-24, 2021.

219. Smith LJ, Mattison D, Balzer K, Bishop T, **Farris K**, Fitzgerald M, Gross M, Rulli D, Patterson V, Phanudulkitti C, Trupiano N, Anderson O. Virtual longitudinal interprofessional family-based experience (LIFE): Model framework with learner and patient outcomes. NEXUS Summit 2021, Virtual Meeting, Sept-Oct, 2021.

218. Phanudulkitti C@, Eze C, **Farris KB**. Student pharmacists’ attitude changes towards an online introductory interprofessional course and their opinion about the course: a mixed method study. AACP Annual Conference, Virtual Meeting, July 2021.

217. Phanudulkitti C@, Ferguson C, **Farris KB**. Student Pharmacists’ Perception towards Online Learning Activities in a Social Determinants of Health Course. AACP Annual Conference, Virtual Meeting, July 2021.

216. Mattison D, Anderson O, Balzer K, Bishop T, Farris K, Fitzgerald M, Patterson V, Phanudulkitti C, Rulli D, Trupiano N, Smith L. Longitudinal Interprofessional Family-Based Experience (LIFE). Health Professions Education Day 2021. Virtual Meeting. April 6, 2021.

215. Mitrzyk BM, Santos M, Freeman J, Pinto R, Alegria M, Farris KB. Role of culture in medication adherence of antidepressants among Latinx adults with depression: systematic review and meta-synthesis of qualitative data. APhA2021 Annual Meeting and Exposition, March 12-15, 2021, Online.

214. *Eze E*, West BT, Dorsch M, Coe AB, Lester C, Buis L, **Farris KB**. mHealth technology use among hypertensive patients: a secondary analysis of HINTS data. APhA2021 Annual Meeting and Exposition, March 12-15, 2021, Podium Presentation Online.

213. Phanudulkitti C, Farris KB. Student pharmacists and IPE: Descriptions of their profession and attitude changes after sequenced learning activities compared with students from other programs. 13th Annual MIPERC Virtual Conference. Virtual Meeting. September 1618, 2020.

212. Phanudulkitti C, Farris KB, Anderson O, Bavireddy V, Fitzgerald M, Mattison D, Patterson V, Smith L, Ursuy PA, Gross M. Cohort differences in the impact of an online introductory experience on student attitudes about IPE. Nexus Summit 2020. Virtual Meeting. August 6, 13, 2020.

211. Mitrzyk BM, Santos M, Freeman J, Pinto R, Alegria M, **Farris KB**. Systematic review to assess the role of culture on antidepressant use in Latinx with depression: quantitative data. APhA2021 Annual Meeting and Exposition, Online, March 2020.

*210. Eze E*, **Farris KB**, Dorsch M, Coe AB, Lester C. Electronic health information seeking among hypertensive patients: a secondary analysis of HINTS data. APhA2020 Annual Meeting and Exposition, Online, March 2020.

209. Fodera AM\*, Sahagian EP\*, Coe AB, Farris KB, Vordenberg SE. Geographic access of health care services to residents of a low-income apartment complex in Washtenaw County, Michigan. American Society of Health-System Pharmacists Midyear Clinical Meeting & Exposition. Las Vegas, NV December 2019.

208. Katz R\*, To C\*, **Farris KB**, Vordenberg SE, Coe AB. Participation in blood pressure and medication list health events provided by interprofessional health student teams at a lowincome housing apartment facility. American Society of Health-System Pharmacists Midyear Clinical Meeting & Exposition. Las Vegas, NV December 2019.

207. Smith LJ, Mattison D, Anderson L, Daniels T, **Farris K**, Fitzgerald M, Goa SM, Moore L, Najjar G, Patterson V, Ursuy PA, Gross M. From a Classroom to an Arena: Lessons Learned from a Large Scale Foundational PE Event. Collaborating Across Borders VII Conference, Indianapolis, IN, Oct 20-23, 2019.

206. Smith LJ, **Farris K**, Congdon HB, Daulton B, Fitzgerald M, Keehn MT, Najjar G, Sick B, Weber Z, Gross M. IPE and IPP Big 10 Collaboration: The Time is Right. Collaborating Across Borders VII Conference, Indianapolis, IN, Oct 20-23, 2019.

205. Gross M, Anderson O, Daniels T, **Farris K,** Fitzgerald M, Gao M, Mattison D, Moore L, Najjar G, Patterson V, Ursuy P, Smith L. A one-two punch: Introducing students to IPE with an online module followed by a face-to-face event. Collaborating Across Borders VII Conference, Indianapolis, IN, Oct 20-23, 2019.

204. Fitzgerald M, Anderson O, **Farris K**, Gross M, Ursuy P, Mattison D, Najjar G, Daniels T, Patterson V, Smith L. Faculty implementation of a large-scale foundational IPE experience. Collaborating Across Borders VII Conference, Indianapolis, IN, Oct 20-23, 2019.

203. Najjar G, Anderson O, Daniels T, **Farris K**, Gross M, Mattison D, Patterson V, Smith L,

Ursuy P, Fitzgerald M. Faculty perceptions of interprofessional education experience: A qualitative analysis of “IPE in Action” event. Collaborating Across Borders VII Conference, Indianapolis, IN, Oct 20-23, 2019.

202. Mackler E, Weis T^, Procailo K, Marshall V, **Farris** **KB**. Utilization of patient reported outcomes measures (PROM) to characterize symptom burden and adherence associated with oral oncolytic therapy. ASCO Quality Care Symposium 2019 San Diego, CA Sept 6-7, 2019.

201. Coe AB, Adeoye O, Pestka D, Snyder ME, Zillich AJ, **Farris KB**, Farley JF. Characteristics of Populations Receiving MTM Services under Medicare Prescription Drug BenefitsAPhA2019 Annual Meeting and Exposition, Seattle: March 21-25, 2019.

200. Farley JF, Pestka D, Zillich AJ, Coe AB, **Farris KB**, Adeoye OA, Snyder ME. Nationwide Estimates of Medication Therapy Management Delivery under the Medicare Prescription Drug Benefit APhA2019 Annual Meeting and Exposition, Seattle: March 21-25, 2019.

199. Mitrzyk BM@**, Farris KB.** Subpopulation, Acculturation, and Gender Effects on Prescription Medication Use for Major Depressive Episode Among US Hispanics: Analysis of the 2010 to 2013 National Survey on Drug Use and Health APhA2019 Annual Meeting and Exposition, Seattle: March 21-25, 2019.

198. Hayes L\*, Vordenberg S, **Farris KB**. Consumer perceptions of quality ratings of community pharmacy: factors impacting patient preference of report card format.ASHP Midyear Clinical Meeting, Anaheim, CA, December 2-5, 2018.

197. Linton JA\*, Kuhlman KR\*, Hermiz NJ\*, **Farris KB**, Vordenberg SE. Comprehension and acceptance of pharmacy quality rating dashboards among older adults. ASHP Midyear Clinical Meeting, Anaheim, CA, December 2-5, 2018.

196. Iong SI\*, **Farris KB**, Vordenberg S. Perceptions of community pharmacy quality ratings by consumer characteristics. ASHP Midyear Clinical Meeting, Anaheim, CA, December 2-5, 2018.

195. Mackler E, Beekman K, Yarrington C, Patel H, Gentz A, Bushey L, Davis K, Griggs J, **Farris KB**. Assessment of scheduled pharmacy follow-up for patients receiving oral chemotherapy. ASCO Quality Care Symposium, Phoenix, AZ, Sept 28-29, 2018.

194. Mitrzyk BM@, **Farris KB**, Erickson S, Cook M, Godley E, Marshall V. Retrospective cohort study of medication use in adults with cerebral palsy and spina bifida. APhA Annual Meeting 2018, Nashville, TN, March 16-19, 2018.

193. Mitrzyk BM@, **Farris KB**, Newman SC, Salgado TM. Medication Management Among Individuals with Neurodevelopmental Disabilities: Piloting the Use of a Medication Management System (Podium). APhA Annual Meeting 2018, Nashville, TN, March 16-19, 2018.

192. *Iaconi A*, Bagozzi R, Erickson S, Piette J, Dorsch M, **Farris KB.** Regulatory Fit Increases Adherence to Statin Medication (Podium). APhA Annual Meeting 2018, Nashville, TN, March 16-19, 2018.

191. *Iaconi A*, Bagozzi R, Erickson S, Piette J, Dorsch M, **Farris KB**. The Effect of Regulatory Focus on Statin Medication Adherence. APhA Annual Meeting 2018, Nashville, TN, March 16-19, 2018.

190. Davis EJ\*, Switalski A\*, **Farris KB**. Development and assessment of the content for a cognitive behavioral therapy smartphone application to improve adherence and side effect management to aromatase inhibitors. ASHP Midyear Clinical Meeting, Orlando, FL, December 3-7, 2017.

189. Switalski A\*, Davis EJ\*, **Farris KB**. Developing the content for a Cognitive Behavioral Therapy app to improve adherence and management of side effects from Aromatase Inhibitors among Post-Menopausal Women. ASHP Midyear Clinical Meeting, Orlando, FL, December 3-7, 2017.

188. *Chhabra S*, **Farris KB**. Estimates of incremental healthcare expenditures associated with depression & depressive symptoms among us adult population with diabetes. ISPOR 22nd Annual International Meeting, Boston, MA, May 20-24, 2017.

187. *Chhabra S*, **Farris KB**. Trends in realized access to recommended care among US Adults with diabetes. ISPOR 22nd Annual International Meeting, Boston, MA, May 20-24, 2017.

186. *Chhabra S*, Bagozzi R, Erickson SR, **Farris KB**. Recent evidence for usefulness of transtheoretical model in improving diabetes self-care behaviors: a systematic review. 2016 CADTH Symposium, Ottawa, ON April 10-12, 2017.

185. Salgado TM@, Davis EJ\*, Fawaz S, **Farris KB**. Socio-demographic and clinical predictors of medication beliefs to aromatase inhibitors among postmenopausal women with breast cancer. APhA Annual Meeting 2017, San Francisco, CA, March 24-27, 2017.

184. **Farris KB**, Piette JP, *Newman S*, Batra P, Salgado T, Singh S. mHealth Technology to Improve Medication Adherence. Society of Behavioral Medicine, San Diego, CA, March 29 - April 1, 2017.

183. Vulaj V^, Hough S, **Farris K**, Mackler E. Oncology Pharmacist Opportunities: Closing the Gap in Quality Care. 13th HOPA Annual Conference, Anaheim CA, March 29-April 1, 2017.

182. Hough S, Vulaj V^, **Farris K**, Mackler E. Oncology Pharmacist Opportunities: Closing the Gap in Quality Care. 2017 ASCO Quality Care Symposium, Orlando FL, March 3-4, 2017.

181. Beekman K, Bushey L, Gentz A, Davis K, Yarrington C, **Farris KB**, Griggs J, Mackler E. Utilizing Patient Reported Outcomes for Patients Receiving Oral Chemotherapy. ASCO Quality 2017 ASCO Quality Care Symposium, Orlando FL, March 3-4, 2017.

180. Quinn CS\*, Salgado TM@, Hertz DL, **Farris KB**. Incidence and reasons for under-reporting of paclitaxel-induced neuropathy among women with breast cancer: a qualitative study. American Health-system Pharmacists Mid-Year Clinical Meeting, Las Vegas, Nevada, December 4-8, 2016.

179. Fedrigon AM\*, Salgado TM@, **Farris KB**. Mobile apps for individuals with intellectual and developmental disabilities. American Health-system Pharmacists Mid-Year Clinical Meeting, Las Vegas, Nevada, December 4-8, 2016.

178. Liang JH, **Farris KB**. Racial disparities relating to health-system utilization behaviors and medication use among older adults with cancer. American Health-system Pharmacists Mid-Year Clinical Meeting, Las Vegas, Nevada, December 4-8, 2016.

177. Fawaz S@, Batra P, **Farris KB**. Exploring the Role of Health Status and Medication Beliefs on the Adherence to Adjuvant Aromatase Inhibitor Hormonal Therapy. Orange County Women’s Health Summit. Fullerton, CA, October 21, 2016.

176. Salgado TM@, Farris KB, Mackler E, Severson J. Quality measures and improvement in medicines management: lessons learned from the oral oncolytic initiative in the Michigan Oncology Quality Consortium. International Social Pharmacy Workshop (workshop). Aberdeen, Scotland, July 19-22, 2016.

175. Mackler E, SalgadoTM@, Severson J, Lindsay J, Batra P, Petersen L, **Farris KB**. Oral oncolytic adherence and confidence in self-managing side effects among a sample of Michigan oncology practices. ASCO Annual Meeting, Chicago, June 2016.

174. Fawaz S@, Batra P, **Farris KB**. Exploring the Role of Health and Medication Beliefs on the Persistence of Adjuvant Aromatase Inhibitor Hormonal Therapy. APhA Annual Meeting, Baltimore, MD, March 4-7, 2016.

173. **Farris KB**, Friend K, Peters J, Ojukwu K, Danko L, Phillips S, Manzar S, Diez H, Yoo A, Batra P, Marshall V, Fawaz S, Shrank W, Choe HM. Results from a practice model extending direct patient care from PCMH into community pharmacies: a pilot study between CVS/pharmacy and the University of Michigan PCMH. APhA Annual Meeting 2016, Baltimore, March 4-7, 2016.

172. Choe HM, Friend K, Peters J, Ojukwu K, Danko L, Phillips S, Manzar S, Diez H, Yoo A, Batra P, Marshall V, Fawaz S, Shrank W, **Farris KB**. Description of a practice model extending direct patient care from PCMH into community pharmacies: a pilot study between CVS/pharmacy and the University of Michigan PCMH. APhA Annual Meeting 2016, Baltimore, March 4-7, 2016.

171.Salgado TM@, Mackler E, Lindsay, J, Batra P, Petersen L, Severson J, **Farris KB**. Selfreported adherence to oral oncolytics among a sample of Michigan oncology practices. APhA Annual Meeting 2016, Baltimore, March 4-7, 2016.

170. Fawaz S@, Remington T, Batra P, Choe HM, **Farris KB**. Description of PCMH pharmacists’ intervention: intensifying regimens and avoiding side effects. APhA Annual Meeting, Baltimore, MD, March 4-7, 2016.

169. Mackler E, Salgado TM@, Severson J, Lindsay J, Batra P, Petersen L, **Farris KB**. Confidence in self-managing side effects from oral oncolytics among a sample of Michigan oncology practices. ASCO Quality Care Symposium, Phoenix, February 2016.

168. Severson J, Mackler E, Galiyas G, Petersen L, Lindsay J, SalgadoTM@, Davis E\*, **Farris KB**. Engagement in a statewide oral oncolytic collaborative and practice impact. ASCO Quality Care Symposium, Phoenix, February 2016.

167. Davis EJ\*, Fawaz S@, Salgado TM@, Batra P, **Farris KB**. Identifying health disparities in adherence and medication beliefs to aromatase inhibitors among post-menopausal women with breast cancer. ASHP Midyear Clinical Meeting 2015, New Orleans, December 2015.

166. Salgado T@, **Farris KB**, Mackler E, Severson J. Workshop: Best Practices to Improve Self-Management of Oral Oncolytics, 44th ESCP Conference on Clinical Pharmacy, October 28-30, 2015.

165. Kelling SE, Norris M, Chennault RR, **Farris KB**. The capacity of community-based organizations to promote influenza vaccinations in three urban neighborhoods. American College of Clinical Pharmacy Global Conference on Clinical Pharmacy, 17 – 21 October 2015.

164. Funk K, **Farris K**. Novel Inter-professional Collaboration for Effective Primary Care Services. Presented at the American College of Clinical Pharmacy Annual Meeting. San Francisco, CA. 17-21 October 2015.

163. Fakih S@, Batra P, Gatney H, Marshall V, Kusunoki Y, Barber J, **Farris KB**. Factors predicting young women’s perceptions and experiences with contraception supply in community pharmacies: results from a cross-sectional study. APhA Annual Meeting, San Diego, CA March 27-30, 2015.

162. DasGupta R\*, Marshall V, **Farris KB**. Selection of inhaler devices and inhaler-counseling methods for older adults: a survey of pharmacists. American Health-system Pharmacists Mid-Year Clinical Meeting, Orange County, CA, December 7-11, 2014.

161. Amer K\*, **Farris KB**. Beliefs and adherence to anti-diabetic and anti-hypertensive therapy in older adults. American Health-system Pharmacists Mid-Year Clinical Meeting, Orange County, CA, December 7-11, 2014.

160. Korman B\*, **Farris KB**. Medicare part d beneficiary engagement in plan choice and its relationship to cost-related nonadherence. American Health-system Pharmacists Mid-Year Clinical Meeting, Orange County, CA, December 7-11, 2015.

159. Farris KB, *Newman S*, Singh S, An L, Piette J. Testing the structure of SMS messages for use in an artificial intelligence (AI)-driven SMS antihypertensive adherence support tool. Wireless Health Nov 1-3, 2013, Baltimore MD.

158. Janke KK, **Farris KB**, Kelley KA, Marshall VK, Plake KS, Scott SA, Sorensen TD, Yee GC. Understanding Student Talents: Insights and Actions from a Five School Study, IUPUI Assessment Institute, Indianapolis, IN, October 20 - 21, 2014.

157.Unni EJ, **Farris KB.** Change in medication non-adherence and beliefs in medicines over time in older adults. American Pharmacists Association Annual Meeting, Orlando, FL, March 28, 2014.

156. Osazuwa U\*, Carter BL, **Farris KB**. Assessing the effect of pharmacist case manager’s faxed discharge information on primary care physician and community pharmacist communication. American Health-system Pharmacists Mid-Year Clinical Meeting, Las Vegas, NV, December 8-11, 2013.

155. Aneese N\*, Doucette WR, **Farris KB**. Effect of clinical and attitudinal characteristic on obtaining a comprehensive medication review. American Health-system Pharmacists MidYear Clinical Meeting, Las Vegas, NV, December 8-11, 2013.

154. Unni EJ, **Farris KB**, Olson J. Revision and validation of the medication adherence reasons scale (MAR-Scale). ISPOR 18th Annual International Meeting, New Orleans, LA, May 1822, 2013.

153. Van Liew JR, Christensen AJ, Carter BL, **Farris KB**. Psychosocial factors predict improved medication adherence after hospitalization. 34th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, March 20-23, 2013.

152. Doucette WR, Zhang Y, Chrischilles EA, Pendergast J, **Farris KB**, Frank J. Factors affecting the choices of Medicare Part D beneficiaries in obtaining pharmacist-provided comprehensive medication reviews. APhA Annual Meeting, Los Angeles, CA March 1-3, 2013.

151. Witry M, Doucette WR, **Farris KB**. Multiple adherence tool evaluation study (MATES):

investigation of pharmacy survey responses. APhA Annual Meeting, Los Angeles, CA March 1-3, 2013.

150. Farris KB, Aquilino ML, Kimbel J, Batra P, Marshall V. Using community pharmacies to reduce barriers to contraceptive use. APhA Annual Meeting, Los Angeles, CA March 1-3, 2013.

149. Kaminski K\*, **Farris KB,** Aquilino ML, Batra P. Role of the pharmacist in preventing unintended pregnancy: patient-specific factors as barriers to counseling. ASHP Mid-Year Clinical Meeting, Las Vegas, December 2-6, 2012.

148. Wisse, K\*, **Farris KB**, Aquilino ML, Batra P. Determining barriers to perceived access to contraception in pharmacies: a study of 18-30 year old Iowa women. ASHP Mid-Year Clinical Meeting, Las Vegas, December 2-6, 2012.

147. **Farris KB**, Aquilino ML, Kimbel J, Batra P, Marshall V. Using community pharmacies to reduce barriers to contraceptive use. APHA Annual Meeting & Expo, San Francisco, CA October 27-31, 2012.

146. *Liu CM*, Batra P, Erickson SR, **Farris KB**. Is there a difference in prescription medication utilization between aged adults with and without disability in the United States? ISPOR 5th Asia-Pacific Conference. Taipei, Taiwan, September 3, 2012.

145. Tarkett NA^, Kading TA, **Farris KB**, Currie JD. Effect of pharmacist-based diabetes management on HbA1c and blood pressure in a free medical clinic. American Pharmaceutical Association Annual Convention, Seattle WA, March, 2011.

144. *Thatcher EE*, **Farris KB**. Effects of health literacy, involvement and need for cognition on desired complexity of osteoarthritis health messages. Social Pharmacy Workshop, Lisbon, Portugal, August 23-26, 2010.

143. Dillon DB, Xie Y, *Kulchaitanaroaj P*, **Farris KB**. Adherence and side effects symptoms across HAART regimens groups and predictors of HAART adherence in a rural state. 5th International Conference on HIV Treatment Adherence Miami, FL, May 23-25, 2010.

142. Doucette WR, **Farris KB**, Kuhle J, *Patterson BJ*, Barnes J. Pharmacy Quality Alliance: Iowa Demonstration Project. American Pharmacists Association Annual Meeting, Washington, DC, March 2010.

141. Liu Y, Doucette WR, **Farris KB**. Exploring stages of pharmacist-physician collaboration using the model of Collaborative Working Relationship. American Pharmacists Association Annual Meeting, Washington, DC, March 2010.

140. Van Heukelom J\*, Xie Y, Kulchaitanaroaj P, **Farris KB**. Dillon D, Kumar R. Insurance coverage and financial burden among HIV-patients receiving HAART in a rural state (podium). American Pharmacists Association Annual Meeting, Washington, DC, March 2010.

139. *Garza O*, Doucette WR, Brooks JM, Urmie JM, **Farris KB**. Medication therapy management services: the dynamics of demand among older adults. American Pharmacists Association Annual Meeting, Washington, DC, March 2010.

138. Nicolaus S^, **Farris KB**, Currie J, Rickertsen H, Smith J. Impact of physician-pharamcist co-management of hypertension in a community health center. American Pharmaceutical Association Annual Convention, Washington, DC, March, 2010.

137. Nguyen AH^, Carruthers KM, **Farris KB**, Currie JD, Catney C. Evaluation of a fecal occult blood test service for colorectal cancer screening in a community pharmacy. American Pharmaceutical Association Annual Convention, Washington, DC, March, 2010.

136. Pearce CN^, Osterhaus MC, **Farris KB**, Currie JD, Catney CM. Need for community pharmacist-conducted medication reconciliation following discharge from an inpatient setting. American Pharmaceutical Association Annual Convention, Washington, DC, March, 2010.

135. Aboujawdeh M^, Currie JD, **Farris KB**, Shepley A, Jackson A, Clark R, Catney C. Evaluation of a pharmacist-driven marketing campaign on the rate of herpes zoster vaccine administration in a community pharmacy in a rural Iowa town. American Pharmaceutical Association Annual Convention, Washington, DC, March, 2010.

134. *Ashwood D*, **Farris KB**, Campo S, Aquilino ML, Losch M. Unlock the condoms: a study of increasing contraceptive access in pharmacy. American Public Health Association. Philadelphia, PA, November 7-11, 2009.

133. *Ashwood D*, **Farris KB**, Campo S, Aquilino M, Lang J. Reducing unintended pregnancies via community pharmacies: development of intervention messages and material. American Public Health Association, Philadelphia, PA, November 7-11, 2009.

132. *Ashwood D*, **Farris KB**, Bonsall-Hoekstra A, Losch M. Embarrassment and purchasing of contraceptives: a study of access and provision of information in pharmacies. American College of Clinical Pharmacists/European Society of Clinical Pharmacists. Orlando, FL, April 25-28, 2009.

131. *Thatcher E*, **Farris KB**, Lang J. Effectiveness of Medication Dispensing Machine .

American College of Clinical Pharmacists/European Society of Clinical Pharmacists. Orlando, FL, April 25-28, 2009.

130. *Ashwood D*, Farris KB, Aquilino ML, Campo S, Lang J. Exploring Access to

Contraceptives: What pharmacies are Carrying.American Pharmaceutical Association Annual Convention, San Antonio, TX, April 3-6, 2009.

129. Guerra MB^, Kading TA, Farris KB, Currie JD. Implementation and evaluation of a blood pressure monitoring service in grocery store chain pharmacies.American Pharmaceutical Association Annual Convention, San Antonio, TX, April 3-6, 2009.

128. Kim SJ^, Carruthers KM, **Farris KB**, Currie JD. Consumer perception of an OTC safety consult service in an independent community pharmacy. American Pharmaceutical Association Annual Convention, San Antonio, TX, April 3-6, 2009.

127. *Liu Y*, Doucette WR, Farris KB. Factors Affecting the Development of PharmacistPhysician Collaboration over Three Months: A Longitudinal Study. American Pharmaceutical Association Annual Convention, San Antonio, TX, April 3-6, 2009.

126. Sayler M^, **Farris KB**, Currie JD, Rickertsen H, Purcell J. The impact of community pharmacist intervention on adherence to treatment guidelines and medications in patients with heart failure. American Pharmaceutical Association Annual Convention, San Antonio, TX, April 3-6, 2009.

125. **Farris KB**, Aquilino ML, Campo S, *Askelson N*, *Spies E*. Consumers' attitudes towards physician & pharmacist roles in accessing contraceptive products. American Public Health Association. San Diego, CA, October 29, 2008.

124. Schmidt GA^, McDanel DL, Newkirk EN, Horner KE, Farris KB. Evaluation of converting patients from insulin glargine to insulin detemir. ACCP Annual Meeting, Lexington, KY, October 19-22, 2009

123. Philbrick AM^, Newkirk EN, Farris KB, McDanel D. Outcomes and Perceptions of a Pharmacist-Managed Smoking Cessation Group Clinic. ACCP Annual Meeting, Lexington, KY, October 19-22, 2009.

122. Julie Urmie, *Amber Goedken*, **Karen B. Farris**, William R. Doucette. The effect of Medicare Part D and prescription insurance type on Medicare beneficiary access to prescription medication and use of cost saving measures. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

121. *Yifei Liu*, William R. Doucette, **Karen B. Farris**. Key factors affecting pharmacist-physician collaboration: the perspective from pharmacists. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

120. *Yifei Liu*, William R. Doucette, **Karen B. Farris**. Norm balance in predicting pharmacists’ intention to collaborate with physicians to improve medication therapy. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

119. Sarah Snyder Lee\*, **Karen B. Farris**, Jeffrey Reist, Matthew Cantrell, William Doucette. Effect of a geriatric-focused MTM tool on student pharmacists identification of drug-related problems. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

118. Ann M. Philbrick^, Ashley Faber, **Karen B. Farris**, Brenda Carmody, Lisa Mascardo, Ryan Jacobsen, Jeffrey Reist, Erin Newkirk. Ask-Advise-Refer Significantly Increases Referrals to a Pharmacist-Managed Smoking Cessation Group Clinic. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

117. Ann Schwemm\*, *Mike Andreski*, Karen B. Farris, William R. Doucette. Impact of an MTM tool on identification of drug-related problems (DRPs) by community pharmacists. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

116. Ann Higley\*, *Elizabeth John*, Kara Wright, **Karen B. Farris**, Elizabeth Chrischilles. Comparison of drug-related problems (DRPs) by computerized versus pharmacist medication reviews. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

115. William R. Doucette, Matthew J. Witry\*, Karen B. Farris, Randal P. McDonough. Pharmacist-Provided Extended Diabetes Care: A Randomized Controlled Trial. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

114. *Amber Goedken*, Julie Urmie, William R. Doucette, Karen B Farris. Effect of cost-sharing on prescription drug use by Medicare beneficiaries after Medicare Part D and adverse selection in the Medicare drug benefit. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

113. William R. Doucette, *Oscar W. Garza*, Kate Puetz, Ann Schwemm\*, Karen B. Farris. Identification of potential barriers to providing pharmaceutical case management for a private insurance group. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

112. *Olayinka Oladimeji*, **Karen B. Farris**, Elizabeth Chrischilles, William Doucette, Arick P. Sabin, Bryan Gryzlak. Risk Factors for Adverse Drug Events among Iowa Adults with Mobility Limitations. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

111. *Olayinka Oladimeji*, **Karen B. Farris**, Julie Urmie, William Doucette. Risk Factors of Selfreported Adverse Drug Events (ADE) among Medicare Enrollees before and after Medicare Part D. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

110. *Elizabeth J Unni*, Karen B Farris. Forgetfulness in taking medications and belief in medications. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008

109. *Elizabeth J Unni*, Karen B Farris. Developing a new classification of medication nonadherence. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008

108. Ellen M. Coughlin^, Heather M. Rickertsen, Josh D. Feldmann, William R. Doucette, **Karen B. Farris**, Jay D. Currie. Needs assessment for a community health center’s diabetes education program: Patients’ knowledge of diabetes self-care topics. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

107. Laura Gurnee^, Matthew C. Osterhaus, **Karen B. Farris**, Jay D. Currie. Needs assessment for a community pharmacy heart failure education program. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

106. Abby Beane^, Thane A. Kading, **Karen B. Farris**, Jay D. Currie. Evaluation of convenient care clinics and effect on pharmacy prescription volume, pharmacy gross profit, and patient and pharmacist satisfaction. American Pharmaceutical Association Annual Convention, San Diego, CA, March 14-17, 2008.

105. Ann M. Philbrick^, Erin Newkirk, **Karen Farris**, Beth Bryles Phillips, Deanna McDanel, Establishment of a pharmacist-managed smoking cessation group clinic." has been selected for presentation during the ACCP Annual Meeting, Denver CO, October 14–17, 2007.

104. Nicholas J. Goetsch, John E. Sutherland, Matthew E. Ulven, James D. Hoehns, Ginelle Schmidt, Olayinka Oladimeji, **Karen Farris**.Assessment of postgraduate dermatology education among Iowa family medicine physicians. North American Primary Care Research Group Annual Meeting. Vancouver British Columbia, October 20-23, 2007 (submitted).

103. Ashley Dohrn^, Kara Carruthers, **Karen Farris**, Jay Currie, William Doucette. Clinical outcome achievement for hypertension and hyperlipidemia in a pharmacist case management program: A case-control study. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

102. Maria De-Jesus-Roetlin^, Jay Currie, Gary Milavetz, **Karen Farris**, William Doucette, Al Shepley, Amy Jackson, R Clark. An analysis of an asthma management program delivered in a single community pharmacy in rural Iowa. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

101. *Amber Goedken*, Julie Urmie, William Doucette, **Karen Farris**. Effect of cost-sharing on prescription drug use by Medicare beneficiaries and potential adverse selection in the Medicare drug benefit. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

100. Sukhmani Sarao^, Matt Osterhaus, **Karen Farris**, Jay Currie. Impact of community pharmacists’ recommendations during screenings for diabetes and hyperlipidemia on lifestyle changes, medication use, and physician visits. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

99. Stevie Hudrlik^, **Karen Farris**, Jay Currie, William Doucette, Josh Feldman, Heather Rickertsen. Developing a quality improvement process for transferring patient medication information. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

98. Matt Witry\*, William Doucette, Fadi Alkhateeb, **Karen Farris**, Julie Urmie. Older adults’ attitudes toward pharmacist-provided counseling and medication management activities: Results of a national survey. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

97. *Olayinka Oladimeji*, **Karen B. Farris**, Julie Urmie, William Doucette, Gideon Zamba, Symptomatology, attribution to medicines and symptom reporting among Medicare enrollee. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 16-19, 2007.

96. *Yifei Liu*, **Karen Farris**, William R. Doucette. Appraisal of Means in Drug Information Seeking after Exposure to Direct-to-Consumer Advertisement (DTCA) of Prescription Drugs. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

95. Jessica Purcell\*, **Karen Farris**, Mary Aquilino. Brief smoking cessation intervention in community pharmacies. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

94. *Elizabeth John*, Theresa Vavra\*, **Karen Farris**, Matthew Osterhaus, Brenna Button, Jay Currie, William Doucette, Patty Kumbera, Tom Halterman, Tammy Bullock. Work-place cardiovascular risk management by pharmacists: impact on blood pressure and lipids. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 1721, 2006.

93. *Michael Andreski*, **Karen Farris**, Paul Abramowitz, Mary Aquilino. Hospital pharmacy & therapeutics committees: decision making and effectiveness. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

92. Randal McDonough, Allison Ambrose\*, **Karen Farris**, *Yifei Liu*, William Doucette, Jeff Reist. Comprehensive Medication Therapy Management Services: Identifying and Resolving Drug Therapy Issues in the Extended-Care Setting. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

91. Kathleen Herbert\*, Julie Urmie, Brand Newland\*, **Karen Farris**. Prediction of pharmacist intention to provide Medicare medication therapy management services using the theory of planned behavior. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006

90. Rani Elkin^, **Karen Farris**, Jay Currie, Marla Tonn, Kelly Kent, Molly Adams, Gary Albers. Developing a Quality Assurance Program for Monitoring Community Pharmacists’ Care for Patients with Metabolic Syndrome. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

89. Heather Rickertsen^, Brenda Thies, Josh Feldmann, James Miller, Jay Currie, **Karen Farris**, William Doucette. Evaluating Iowa Medicaid pharmaceutical case management provided in a medical clinic. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

88. Laura Knockel^, Jay Currie, **Karen Farris**, Thane Kading. Implementation and evaluation of a diabetes management program in a community pharmacy: effects on patients' health and satisfaction with pharmacists. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

87. Chasity Goering^, Randal McDonough, **Karen Farris**, Jay Currie, Mary Aquilino, JaNan Less. The effect of education on pharmacists’ smoking cessation knowledge, attitudes and practices. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 17-21, 2006.

86. Jessica Purcell\*, **Karen B. Farris**, Mary L. Aquilino. Developing a brief smoking cessation intervention for community pharmacies. APHA Annual Meeting, New Orleans, LA, November 5-9, 2005 (accepted but withdrawn due to meeting change of date and venue).

85. Tatum N. Mead\*, **Karen B. Farris,** Mary L. Aquilino. Conflicting health messages about tobacco in community pharmacies. APHA Annual Meeting, New Orleans, LA, November 59, 2005 (accepted but withdrawn due to meeting change of date and venue).

84. Shelley Gentry^, **Karen Farris**, Thomas Halterman, Patty Kumbera, Lauren Pedersen. Medication therapy management services in a Medicare-approved drug discount card. Academy of Managed Care Pharmacists Annual Meeting & Showcase, Denver, CO, April 20-23, 2005.

83. Ghada A Bawazeer^, Brenda. Thies, Jim Miller, **Karen.B. Farris** Jay .D. Currie, Lauren Pedersen. Evaluation of the implementation of a documentation system and establishment of performance indicators for Iowa Medicaid Pharmaceutical Case Management services in a community pharmacy. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

82. Ann Augustine^, Al Shepley, Jay D. Currie, **Karen B. Farris**. Impact of a mailed reminder program on patient adherence to diabetes management. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

81. Rebekah M. Jackowski^, **Karen.B. Farris**, Jay D. Currie. Evaluating the implementation of a medication quality assurance program: attitudes and effectiveness. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

80. Dawn M. Recker^, Jay D. Currie, **Karen B. Farris**, Molly Adams, Candice Garwood, L. Hoffman, A. Jackson, R. Keane, M. Tonn. Evaluation of pharmacist intervention and pedometer use to increase physical activity. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

79. **Karen B. Farris**, Beth Bryles Phillips, Michael Farley\*, Margo Schilling, Mike Ernst, Deanna McDanel, Jennifer Steffensmeier, Joseph Cavanaugh. Predicting medication management capacity among older adults. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

78. *Yifei Liu*, William Doucette, **Karen B. Farris**. Self-efficacy and perceived difficulty: same or different? American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

77. *Yifei Liu*, William Doucette, **Karen B. Farris**. Drug information seeking intention and behavior after exposure to direct-to-consumer advertisement (DTCA) of prescription drugs. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

76. *Gang Fang*, John Brooks, **Karen B. Farris**. Comparison of pharmacists’ and pharmacy students’ preference weights for income, leisure and patient care based upon utilities for 16 employment scenarios. American Pharmaceutical Association Annual Convention, Orlando FL, April 1-5, 2005.

75. Cynthia A. Weber\*, Rachel Gravel^, **Karen B. Farris**, Beth Bryles Phillips, Mark E. Dyken, John Dopp, Bradley G. Phillips. Medication adherence and obstructive sleep apnea. Annual Meeting of the American College of Clinical Pharmacy, October 24-27, 2004, in Dallas, Texas.

74. Jared Freml\*, **Karen B. Farris**, Jay Currie, *Gang Fang*. Recommendations from Iowa Priority’s Brown Bag Medication Reviews: A comparison of student pharmacists and pharmacists. American Pharmaceutical Association Annual Convention, Seattle, WA, March 2004 (selected for Meet the Authors).

73. Amy Belger^, Matthew C. Osterhaus, Tammy Bullock, Jay D. Currie, **Karen B. Farris**. Evaluation of a Medicaid pharmaceutical care program within an independent community pharmacy in rural Iowa. American Pharmaceutical Association Annual Convention, Seattle, WA, March 2004.

72. John M. Brooks, *Donald G. Klepser*, Julie Ganther, **Karen B. Farris**, William Doucette. Effect of market Ffactors on the willingness to supply cognitive services. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

71. *Donald G. Klepser*, John M. Brooks,Julie Ganther, William R. Doucette, **Karen B. Farris**. Factors affecting the utilization of cognitive services: the demand for Brown Bag reviews. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

70. *Gang Fang*, **Karen B. Farris**, Carole Kuhle, Julie M. Ganther, William R. Doucette, John M. Brooks. Patient safety issues identified in the Iowa Priority Brown Bag Medication Assessment: the contribution of prescriptions, nonprescriptions and natural remedies. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

69. Julie M. Ganther, William R. Doucette, Carol Kuhle, **Karen B. Farris**, John M. Brooks. Satisfaction and use of the Iowa Priority Prescription Savings Program and Brown Bag Review. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

68. **Karen B. Farris**, William R. Doucette, Jay Currie, *Gang Fang*, Patty Kumbera, Thomas Halterman. Cost savings of resolving drug-related problems: validating community pharmacists' ratings (encore presentation). American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

67. Marvin Moore^, Brenda Thies, James Miller, Jay Currie, **Karen Farris**. Evaluation of pharmacists’ role on a multi-disciplinary chronic heart failure case management program in an ambulatory clinic. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

66. Justin Wilson^, Matthew Osterhaus, Jay Currie, William Doucette, Jane Osterhaus, Ray Townsend, Tammy Bullock, **Karen Farris**. A cost analysis of the implementation of a cardiovascular wellness program from the pharmaceutical care provider’s perspective. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

65. Christine Kubitz^, Randal McDonough, **Karen Farris**, Lisa Ploehn. A randomized study to determine the impact of a pharmacist’s intervention on patient body weight reduction. American Pharmaceutical Association Annual Convention, New Orleans, LA, March 2003.

64. **Karen B. Farris**, William R. Doucette, Jay Currie, *Gang Fang*, Patty Kumbera, Thomas Halterman. Cost savings of preventing and resolving drug-related problems: community pharmacists’ [erceptions. Social Pharmacy Workshop, Sydney Australia, August 2002.

63. **Karen B. Farris**, Ann Marie McCarthy, Michael W. Kelly, Daniel L. Clay. Medication administration policies in Iowa schools. Social Pharmacy Workshop, Sydney Australia, August 2002.

62*.* Angela Cook, Ann Marie McCarthy, Daniel L. Clay, Michael W. Kelly, **Karen B. Farris**. Medication administration for diabetes in the school: Parent and child perceptions. Great Lakes Regional Conference on Child Health Psychology, Milwaukee, WI, April 2002.

61. *Gang Fang*, **Karen B. Farris**, William R. Doucette, Patty Kumbera, T. Halterman. Drugrelated problems among community-dwelling adults: prevalence and opportunities via pharmacists’ care claims and prescription drug claims. American Pharmaceutical Association Annual Convention, Philadelphia, PA, March 2002.

60. Jennifer Tryon\*, **Karen B. Farris**, Michael W. Kelly. Pilot study predicting medication management among community-dwelling seniors who are high users of medications: a chart review. American Pharmaceutical Association Annual Convention, Philadelphia, PA, March 2002.

59. Elizabeth Group^, Al Shepley, Jay Currie, **Karen B. Farris**. Hormone replacement therapy, symptom management and side effects: a comparison of bio-identical and traditional hormone replacement therapies. American Pharmaceutical Association Annual Convention, Philadelphia, PA, March 2002.

58. Brenna Button^, Jay Currie, Matt Osterhaus, Patty Kumbera, Tammy Bullock, **Karen B. Farris**. Development and implementation of a cardiovascular risk management program in a self-insured company by a community pharmacy. American Pharmaceutical Association Annual Convention, Philadelphia, PA, March 2002.

57. Patti Trenkamp^, Josh Feldman, Laura Fitzpatrick, Jim Miller, Rob Ripley, Brenda Thies, Jay Currie, **Karen Farris**. Establishing and evaluating a community pharmacist managed anti-coagulation clinic in a rural health setting. American Pharmaceutical Association Annual Convention, Philadelphia, PA, March 2002.

56. Brenna Button^, Jay Currie, Matt Osterhaus, Tammy Bullock, Patty Kumbera, **Karen Farris**. Development and Implementation of a Cardiovascular Risk Management Program in a Self-Insured Company by a Community Pharmacy. American Society of HealthSystem Pharmacists, Midyear Clinical Meeting, December 2001.

55. Elizabeth Group^, Al Shepley, Jay Currie, **Karen Farris**. Hormone Replacement Therapy, Symptom Management and Side Effects: A Comparison of Bio-Identical and Traditional Hormone Replacement Therapies. American Society of Health-System Pharmacists, Midyear Clinical Meeting, December 2001.

54. J.C. Ross-Kerr, M.J. Wood, Sharon Warren, Les Hayduk, Sandy O’Brien-Cousins, **Karen Farris**, Kim Raine-Travers, M.D. Godkin, M. Wooley. . Randomized controlled trial of a health promotion program offered to seniors in subsidized apartments. 17th Congress of International Association of Gerontology, Vancouver, Canada, July 1-6, 2001.

53. *Sheri L. Maddigan*, **Karen B. Farris**. Predicting the probability of errors in a geriatric selfmedication program**.** 17th Congress of International Association of Gerontology, Vancouver, Canada, July 1-6, 2001.

52. **Karen B. Farris**, *Sheri L. Maddigan*, *Sarah Barber*, *Sherry Dieleman*, Cheryl Cox, Jasneet Parmar, Darryl Rolfson. Social marketing campaign to improve the quality of medication use among seniors. 17th Congress of International Association of Gerontology, Vancouver, Canada, July 1-6, 2001.

51. Isabelle Cote, **Karen B. Farris**, David Feeny. Is compliance with drug treatment correlated with health related quality of life? International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, Washington DC, May 20-23, 2001.

50. *Scot H. Simpson*, Jeffrey A. Johnson, Catherine Biggs, Rosemarie S. Biggs, Arlene Kuntz, William Semchuk, Jeff G. Taylor, **Karen B. Farris**, Ross T. Tsuyuki for the SCRIP Investigators. Community pharmacists’ opinions regarding practice-based research. ACCP Spring Practice & Research Forum, Salt Lake City, April 22-25, 2001.

49. Andrew J. Cave, Jeffrey A. Johnson, *Scot H. Simpson*, Tim Lau, **Karen B. Farris**, Ross T. Tsuyuki for the SCRIP Investigators. Physician responses to the community pharmacist intervention in the Study of Cardiovascular Risk Intervention by Pharmacists (SCRIP). ACCP Spring Practice & Research Forum, Salt Lake City, April 22-25, 2001.

48. *Carlyn I. Volume*, **Karen B. Farris**. Alberta pharmacists' responses to drug policy changes affecting vulnerable populations. Presentation at the American Pharmaceutical Association Annual Convention, San Francisco CA, March 17-21, 2001.

47. *Sheri L. Maddigan*, **Karen B. Farris**. Theory of self-care deficit: predicting older adults' ability to manage medications. American Pharmaceutical Association Annual Convention, San Francisco CA, March 17-21, 2001.

46. Ted Braun, Sue McCoy, **Karen B. Farris** et al. [Group presentation]. Implementing multidisciplinary teams to meet the needs of a specific client population. Advancing Primary Health Care in Alberta Showcase Conference, Calgary Alberta, Nov 21-22, 2000.

45. Ross T. Tsuyuki, Jeffrey A. Johnson, Koon K. Teo, *Scot H. Simpson*, Margaret Ackman, Rosemarie S. Biggs, Andrew J. Cave, Wei-ching Chang, Vlad Dzavil, **Karen B. Farris**, Donna Galvin, William Semchuk, Jeff G. Taylor for the SCRIP Investigators. The Study of Cardiovascular Risk Intervention by Pharmacists (SCRIP): A multicentre, randomzed trial of the effect of community pharmacist intervention on cholesterol risk management. ACCP Annual Meeting, Los Angeles, CA. Nov 5-8, 2000.

44. Andrew J. Cave, Ross T. Tsuyuki, Jeffrey A. Johnson, Koon K. Teo, *Scot H. Simpson*, Margaret Ackman, Rosemary S. Biggs, Wei-Ching Change, Vlad Dzavik, **Karen B. Farris**, Donna Galvin, William Semchuk, Jeff G. Taylor, for the SCRIP Investigators. A randomized trail of the effect of community pharmacist intervention on cholesterol risk: The Study of Cardiovascular Risk Intervention by Pharmacists (SCRIP). North American Primary Care Research Group. 28th Annual Meeting. Amelia Island, FL, November 4-7, 2000.

43. *Sheri L. Maddigan*, **Karen B. Farris**. Predictors of success, failure and error rates in a geriatric self-medication program: a retrospective chart review. 29th Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, Edmonton, AB, October 27-29, 2000.

42. **Karen B. Farris**, *Sheri L. Maddigan*, *Sarah Barber*, Cheryl Cox**.** Social Marketing Campaign to Improve the Quality of Medication Use Among Seniors in the Capital Health Region. 29th Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, Edmonton, AB, October 27-29, 2000

41. *Lisa M. Schapansky*, Jeffrey A. Johnson, **Karen B. Farris**, Ross T. Tsuyuki, Ellen L. Toth. Evaluating the role of community pharmacists’ management in Type 2 Diabetes. Canadian Diabetes Association, Halifax, October 11-14, 2000.

40. **Karen B. Farris**, David Feeny, Jeffrey A. Johnson, Ross T. Tsuyuki. Primary health care collective: a focus on improving medication use. 29th Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, Edmonton, AB, October 29-Nov 1, 2000.

39. *Scot Simpson,* **Karen B. Farris**, Jeffrey A. Johnson, Ross T. Tsuyuki. Identification of barriers to medication use in patients with congestive heart failure through focus groups. Canadian Cardiovascular Congress, Vancouver CA, October 29-Nov 1, 2000.

38. **Karen B. Farris**, *Sherry Dieleman*, Ross Bayne, David Feeny, Jeffrey A. Johnson, Ross T. Tsuyuki. Developing primary health care teams: what can we learn from mission statement? 22nd Annual Interdisciplinary Health Care Team Conference. Las Vegas, September 25-27, 2000.

37. *Sherry Dieleman*, **Karen B. Farris**, David Feeny, Jeffrey A. Johnson, Ross Tsuyuki. Developing primary health care teams: team members’ perspectives of the collaborative process. 22nd Annual Interdisciplinary Health Care Team Conference. Las Vegas, September 25-27, 2000.

36. *Lisa M. Schapansky*, Jeffrey A. Johnson, **Karen B. Farris**, Ross T. Tsuyuki, Ellen L. Toth. Evaluating the role of community pharmacists’ management in Type 2 Diabetes. Canadian Diabetes Association, Halifax, June 24-26, 2000.

35. *Sheri L. Maddigan*, *Jennifer Hystad*, **Karen B. Farris**, Cheryl Cox, Jasneet Parmar. Developing a medication review program for seniors using a listen-dialogue-action framework. American Pharmaceutical Association Annual Convention, Washington DC, March 10-14, 2000.

34. *Carlyn I. Volume*, **Karen B. Farris**. Evaluating AFSS drug policy changes and their implementation: perceptions of stakeholders and drug use trends. American Pharmaceutical Association Annual Convention, Washington DC, March 10-14, 2000.

33. *Sheri Maddigan*, **Karen B. Farris** and Jeffrey A. Johnson. Methods of educating patients and pharmacists on prescribing, monitoring and use of drugs. AFPC/CCCP Joint Meeting. Quebec City, QB, June 1999.

32. *Carlyn I. Volume*, **Karen B. Farris**, R. Kassam, C.E. Cox, A. Cave, D. Schopflocher, G. Tessier. Changes in patient expectation and satisfaction after the provision of pharmaceutical care. AFPC/CCCP Joint Meeting. Quebec City, QB, June 1999.

31. *Lisa M. Schapansky*, *Carlyn I. Volume*, **Karen B. Farris**, Jeffrey A. Johnson. Pharmacy students attitudes toward pharmaceutical care. AFPC/CCCP Joint Meeting. Quebec City, QB, June 1999.

30. *Simon Pickard*, Jeffrey A. Johnson, **Karen B. Farris**. The effect of pharmaceutical care on health-related quality of life. AFPC/CCCP Joint Meeting. Quebec City, QB, June 1999.

29. Ross T. Tsuyuki, Jeffrey A. Johnson, Koon K. Teo, M Ackman, R Biggs, A Cave, W-C Chang, Dzavik, **K Farris**, D Galvin, W Semchuk, *S Simpson*, for the SCRIP Investigators. Design of the study of cardiac risk intervention by pharmacists (SCRIP): a randomized trial of community pharmacist intervention on cardiac risk factor modification. International Congress on Clinical Pharmacy, Orlando, FL, April, 1999. Canadian Cardiovascular Society annual meeting, Ottawa ON, October, 1998. 6th Canadian Association of Population Therapeutics/Canadian Pharmacoepidemiology Forum, Ottawa ON, April 1998.

28. Ross T. Tsuyuki, Jeffrey A. Johnson, Koon K. Teo, M Ackman, R Biggs, A Cave, W-C Chang, V Dzavik, **K Farris**, D Galvin, W Semchuk, *S Simpson*, for the SCRIP Investigators. Design of the study of cardiac risk intervention by pharmacists (SCRIP): a study of the effect of community pharmacist identification, assessment and intervention on cardiac risk factor modification practices. CPhA annual meeting, St. John’s NF, May 1998.

27. *Carlyn I. Volume*, **Karen B. Farris**. Bridging the gap: a process of weight loss with anorexiant medications. APhA annual meeting. Miami Beach, FL. March, 1998.

26. *Wendy R. Gaudet*, **Karen B. Farris**. Pharmaceutical care in a community-based setting: a randomized-controlled pilot study of the economic, clinical and health-related quality of life outcomes. APhA annual meeting. Miami Beach, FL. March, 1998.

25. **Karen B. Farris**, Jeffrey A. Johnson, Nick Steele\*. Validation of an instrument to assess patient satisfaction with community pharmacists. APhA annual meeting. Miami Beach, FL. March, 1998.

24. *Wendy R. Gaudet*, **Karen B. Farris**. Pharmaceutical care in a community-based setting: a descriptive analysis of the pharmacist’s careplans and progress notes. FIP 97. Vancouver, BC. Aug 31-Sept 5, 1997.

23. *Simon Pickard*, **Karen B. Farris**. Codeine utilization among Alberta Canada Seniors. FIP 97. Vancouver, BC. Aug 31-Sept 5, 1997.

22. **Karen B. Farris**, *Carlyn Volume*, Rosemin Kassam, Cheryl Cox, Andrew Cave, Genevieve Tessier, Don Schopflocher. The evaluation of a practice enhancement program for changing pharmacists’ behavior. The School of Pharmacy, London Health Services Research and Pharmacy Practice Conferency 1997. London, England. April 17-18, 1997.

21. Rosemin Kassam, **Karen B. Farris,** Andrew Cave, Genevieve Tessier, Don Schopflocher, Cheryl Cox, *Carlyn Volume*, *Simon Pickard*. Pharmaceutical Care Research and Education Project. 1996 ASHP Mid-Year Meeting. New Orleans, LA. November, 1996.

20. **Karen B. Farris**, Cheryl Cox, Rosemin Kassam, Arlene I. Ponting, *Carlyn I. Volume*. A practice enhancement program for changing pharmacists’ behavior: a multi-faceted approach using Social Learning Theory. Roundtable presentation at the 9th International Social Pharmacy Workshop. Madison, WI. August 11-14, 1996.

19. *Carlyn I. Volume*, Cheryl Cox, **Karen B. Farris**, Rosemin Kassam, Arlene I. Ponting. Practice enhancement program within pharmacies providing pharmaceutical care: an application of Social Learning Theory. 1996 Annual AFPC Conference. Calgary, AB. May 26-28, 1996.

18*.* Rob Boehme\*, Cheryl Cox, **Karen B. Farris**. Attitudes of Alberta seniors regarding pharmacists and pharmaceutical care: a qualitative approach. 1996 Annual AFPC Conference. Calgary, AB. May 26-28, 1996.

17. *Wendy R. Gaudet*, **Karen B. Farris**. Pharmaceutical care in a community-based setting: a pilot study of economic, clinical and health-related quality of life outcomes. 1996 Annual AFPC Conference. Calgary, AB. May 26-28, 1996.

16. **Karen B. Farris**, D.P. Schopflocher, L.W. Svenson, *C. Volume*, R.J. Dyck, C.M.T. Robertson, D.W. Spady, A.H. Thompson. Poisonings among children in Alberta: quantification via administrative data. 4th Canadian Pharmacoepidemiology Forum, April 29-30, 1996.

15. Don P. Schopflocher, Larry W. Svenson, **Karen B. Farris**, Don W. Spady, Charlene M.T. Robertson, A.H. Thompson, R.J. Dyck. Understanding childhood injuries form administrative data. Second Annual Child Health Research Symposium, Alberta Children’s Hospital, Calgary AB. April 1996.

14. Larry W. Svenson, Charlene M.T. Robertson, Don P. Schopflocher, Don W. Spady, **Karen B. Farris**, A.H. Thompson, R.J. Dyck. Understanding childhood injuries form administrative data. The Alberta Children’s Health Services Utilization Study. Second Annual Child Health Research Symposium. Alberta Children’s Hospital, Calgary AB. April 1996.

13. Shewtha Simhan\*, Sharon L. Mitchell, Steve D. Shafran, **Karen B. Farris**. Drug utilization review of ciprofloxacin in a community hospital. CSHP Professional Practice Conference. Toronto, ON. March, 1995.

12. *Dianne Kirwin*, **Karen B. Farris**, Larry J. Shipka. Screening for elderly patients with a diagnosis of asthma at risk of arrhythmias associated with beta agonist use. APhA annual meeting. Orlando, FL. March, 1995.

11. **Karen B. Farris**, Arlene Ponting, Elsa Liu\*, *Carlyn Volume*. Perceptions of pharmaceutical care in Alberta, Canada. APhA annual meeting. Orlando, FL. March, 1995.

10. **Karen B. Farris**. Community pharmacists’ choice among means to prevent and correct drug-therapy problems. 1994 Teachers’ Conference on Social and Administrative Pharmacy. Montreal, Quebec Canada. May, 1994.

9. **Karen B. Farris**. Community pharmacists’ choice among means to prevent and correct drug-therapy problems. APhA annual meeting. Seattle, WA. March, 1994.

8. **Karen B. Farris**. Community pharmacists’ intention to try to prevent and correct drugtherapy problems. APhA annual meeting. Seattle, WA. March, 1994.

7. **Karen B. Farris**. Retrospective DUR to improve antibiotic utilization in Alberta. Alberta Pharmaceutical Conference 1993-94 Part II. Calgary, AB. February, 1994.

6. **Karen B. Farris**, Leslie A. Shimp, Ruth Ann C. Opdycke, Duane M. Kirking. Design and results of a group-based physician medication education program. APhA annual meeting. Dallas, TX. March, 1993.

5. **Karen B. Farris**. Tying to correct or prevent drug-therapy problems: a survey of Michigan community pharmacists. Mid-West Pharmacy Administration Conference. Minneapolis, MN, September, 1992.

4. **Karen B. Farris**,Barbara Kaplan and Duane Kirking. Examination of days supply in computerized prescription claims. APhA annual meeting. San Diego, CA. March, 1992.

3. Barbara Kaplan, **Karen B. Farris** and Duane M. Kirking. Initial selection of an nonsteroidal anti-inflammatory drug. ASHP mid-year clinical meeting. New Orleans, LA. December, 1991.

2. **Karen B. Farris**, Duane M. Kirking, and Frank J. Ascione. Using stratified analyses to quantify relationships between prescription drug utilization, physician visits, and potential drug-therapy problems. Mid-West Pharmacy Administration Conference. Cincinnati, OH. August, 1990.

1. Dale M. Smalley, D.C. Huffman, and **Karen L. Bell (Farris)**. Determining managerial education and training needs of independent retail pharmacy owners and managers. AACP annual meeting. Portland OR. July, 1989.

## Invited Lectures or Presentations

66. **Karen B Farris** (invited). Effect of PDCM on ED visits and IP admissions: a survival analysis for recurrent events. MICMT Team Based Care Conference. May 6, 2022.

65. **Karen B Farris** (invited). Lessons Learned from Studying Pharmacists’ Care for (how) Many

Years?! Virginia Commonwealth University Center for Pharmacy Practice Innovation. April 25, 2022.

64. **Karen B Farris** (invited). Resubmissions...it’s what we do! University of Minnesota SAS Seminar. Online. February 27, 2020.

63. **Karen B. Farris (invited)**. *Improving Adherence and Outcomes by Artificial Intelligence-Adapted Text Messages*. AHRQ National Web Conference Presentation, Sept 13, 2018.

62. Anandi Law, Peter Gannett, **Karen B. Farris**. ALFP Debate: Administrators should/should not be term-limited. AACP Interim Meeting, Long Beach, CA, February 25, 2018.

61. **Karen B. Farris**. History of Pharmacy Practice. UMCOP Annual Pharmacy Lectures, Ann Arbor, MI, October 26, 2017.

60. **Karen B. Farris**. Panel Moderator/Organizer. Integrating mobile technology into healthcare. State of the Science. UM Rehabilitation Engineering Research Center, *Technology Increasing Knowledge: Technology Optimizing Choice*, Washington, DC, October 19-20, 2017.

59. **Karen B. Farris**. mHealth Technology to Improve Medication Adherence. Society for Behavioral Medicine (one of 3 invited speakers for this peer-reviewed session). San Diego, CA, March 29-April 1, 2017.

58. **Karen B. Farris**. The 5W1H of Medication Adherence. Chapman University School of Pharmacy, Irvine, CA, March 31, 2017.

57. **Karen B. Farris**. Mentors for Now and for Life. APhA Annual Meeting, San Francisco, CA, March 24, 2017.

56. **Karen B. Farris**. The 5W1H of Medication Adherence. University of Michigan Clinical Scholars Program Seminar. University of Michigan, Ann Arbor, MI, February 15, 2017.

55. **Karen B. Farris**. The 5W1H of Medication Adherence. University of Illinois at Chicago College of Pharmacy Department of Pharmacy Systems, Outcomes and Policy, Chicago, IL, February 9, 2017.

54. **Karen B. Farris**. Pharmacists in primary care: evidence-based practice is more than the outcomes. University of New Mexico College of Pharmacy, April 5, 2016.

53. **Karen B. Farris**. Transitioning from faculty to administration. APhA Annual Meeting, Baltimore, MD, March 6, 2016.

52. **Karen B. Farris**. Pharmacists in primary care: evidence-based practice is more than the outcomes. European Society of Clinical Pharmacy (ESCP). 44th ESCP Symposium on Clinical Pharmacy, Lisbon Portugal, October 28-30, 2015.

51. **Karen B. Farris**. Ways to Assess Medication Adherence…in Practice. “So Simple, So Hard: Taking Medications as Directed” A Conference Hosted by the National Consumers League, Sacremento, CA. September 15, 2015.

50. **Karen B. Farris**. Pharmacists’ roles in reducing unintended pregnancy. University of Michigan Department of OB/GYN Grand Rounds. May 7, 2015.

49. **Karen B. Farris**. Research in Medication Adherence. University of Wisconsin, Madison, Madison, WI, April 8-10, 2015.

48. **Karen B. Farris,** Souhiela Fakih, Teresa Salgado. Publishing from a writer’s perspective. APhA Annual Meeting, San Diego, CA, March 27, 2015. [had to cancel as I could not attend the meeting due to CHRT Fellowship participation]

48. **Karen B. Farris**. From Data to Information: The care for chronic disease - Medication Adherence. University of Michigan School of Public Health Fall Symposium, October 6, 2014.

**47. Karen B. Farris**. AIM@BP, University of Michigan College of Pharmacy Alumni Board. September 26, 2014.

46. **Karen B. Farris,** Justin Gatwood. The use of mHealth in pharmacist interventions. APhA-APRS ESAS Research Roundtable. APhA Annual Meeting, Orlando FL, March 27, 2014.

45. **Karen B. Farris**. Medication Non-adherence. Michigan Oncology Quality Consortium, New Hudson, MI, March 14, 2014.

44. **Karen B. Farris**. AIM@BP, University of Michigan M-Cubed Symposium. November 15, 2013.

43. **Karen B. Farris**, Lynette Moser. Pharmacists Role in the Transitions of Care: Pharmacist Role in Preventing Readmissions. Michigan Pharmacists Association Annual Meeting, Novi, MI, November 8, 2013.

42. **Karen B. Farris**. Artificial-intelligence adapted medication adherence support tool. University of Michigan Institute for Social Research, Dr. Susan Murphy research group. January 4, 2013.

41. **Karen B. Farris.** Patient Care Transitions. University of North Carolina Division of Pharmaceutical Outcomes and Policy. April 18, 2012.

40. **Karen B. Farris**. Patient-Centered Research: Applying theory to improving medication use behaviors. APhA-APRS ESAS Research Roundtable. APhA Annual Meeting, New Orleans, LA, March 6, 2012.

39. **Karen B. Farris**. Medication adherence: facts, fiction and future directions. University of Michigan Seminars, Ann Arbor, MI, September 9, 2011.

38. **Karen B. Farris**. Care transitions: Not just medication reconciliation. Jefferson School of Population Health Advisory Activity, Transitions of Care, hosted by the Jefferson School of Population Health (JSPH) and Lilly USA, July 2010.

37. **Karen B. Farris**. Practice-based research: whew, it is more difficult than I realized, University of Maryland School of Pharmacy, Department of Pharmacy Practice & Science, Baltimore, MD, May 25, 2010.

36. **Karen B. Farris**. Using Behavioral Theories in Pharmacy Services Research.University of Michigan College of Pharmacy, Ann Arbor, MI, February 19, 2010.

35. **Karen B. Farris** for Karen B. Farris, Ada Demb, Kristin K. Janke, Katherine Kelley, Steve Scott. Assessment to transform competency-based curricula. AACP White Paper. 2009 Curricular Change Summit, Scottsdale AZ, September 9-12, 2009.

34. **Karen B. Farris**. What Patients Get, What Patients Want & What Patients Need from You. PDW 2009, St. John’s Newfoundland, January 15, 2009.

33. **Karen B. Farris**. Can we change practice? AKA...Things that make you go…DUH?. University of Saskatchewan Faculty of Pharmacy & Nutrition, June 17, 2008.

32. **Karen B. Farris**. Improving accountability in healthcare by reporting & restructuring. Canadian Pension and Benefits Institute (CPBI), Calgary, Alberta. September 28, 2007.

31. **Karen B. Farris**. Making, managing & evaluating change in team care: perspectives from three approaches to inter-professional teams. Strengthening the Bond: Collaborating for Optimal Patient Care Conference, Banff, Alberta, Canada. May 5, 2007.

30. Aisha Pittman, Julie Kuhle, **Karen Farris**. Quality Measurement 101: Measuring the Performance of Pharmacies and Pharmacists. American Pharmaceutical Association Annual Convention, Atlanta, GA, March 19, 2007.

29. **Karen B. Farris.** Partnerships between Practice-based Faculty & Social/Clinical Researchers in Developing, Evaluating and Promoting Clinical Pharmacy Practices. International Conference on Clinical Pharmacy. Kyoritsu University of Pharmacy. Minato-ku, Tokyo, Japan. March 24, 2007.

28. Brad Tice, **Karen B. Farris**. PQA: Improving Safety & Quality. IPA Expo. Des Moines, IA, January 27, 2007.

27. **Karen B. Farris**, Betty Chewning, Matthew Osterhaus, Mario Zeolla. Colleagues in Research. American Pharmaceutical Association Annual Convention, San Francisco, CA, March 18, 2006.

26. **Karen B. Farris.** Roundtable speaker. Shared Faculty Forum: Practice-Based Research to Establish the Value of MTM Services. APhA Annual Meeting & Exposition, Orlando FL, April 3, 2005.

25. **Karen B. Farris** and Beth Bryles Phillips. Assessing Medication Management. Canadian Society of Hospital Pharmacy Professional Practice Conference, Toronto, ON Canada, February 7, 2005.

24. Dr. Anil Sahai and **Karen B. Farris**. Using technology to move research into practice. University of Iowa Mini-Medical School. Iowa City, IA. April 27, 2004.

23. **Karen B. Farris**. Pharmaceutical Care: Researching Processes and Outcomes of PC. III National Congress on Pharmaceutical Care. Granada, Spain. September 18-20, 2003.

22. David Fries, **Karen B. Farris**. Iowa Priority: Medication Errors and Medication Savings. The Governor’s Conference on Public Health – Barn Raising IV. August 15, 2003.

21. Michael W. Kelly, **Karen B. Farris**. Take Control of Your Medications. Governor’s Conference on Aging, West Des Moines, Iowa, May 20, 2002 [submitted abstract selected for oral presentation].

20. **Karen B. Farris**. Primary Health Care Collectives: Improving the quality of medication use in the community. Health Transition Fund – Sharing the Learning Atlantic Canada National Dissemination Event. Vancouver BC May 27-28, 2001; Moncton NB, June 18-19, 2001.

19. **Karen B. Farris**. Primary Health Care Collectives: Improving the quality of medication use in the community. Health Transition Fund – Sharing the Learning Vancouver National Dissemination Event. Vancouver, BC. May 27-28, 2001.

18. **Karen B. Farris**. Primary Health Care Collectives. Joint presentation with Drs. Allen Ausford and Leslie Gardner and Marj Sandilands. Designing Community Health Conference, Edmonton AB. November 18, 1999.

17. **Karen B. Farris**. A Canadian Experience. Second International Symposium on Innovation in Pharmaceutical Care. Melbourne, Australia. March 12, 1999.

16. **Karen B. Farris.** Pharmaceutical Care Research and Education Project. Assistant Deputy Minister of Health Cecile Lord. Edmonton, AB. Dec 1, 1998**.**

15. **Karen B. Farris**. Pharmaceutical Care Research and Education Project. Alberta Pharmaceutical Association 87th annual meeting & convention. Jasper, AB. May 29, 1998.

14. **Karen B. Farris**. PC in Canada: a view from above… First International Symposium on Innovation in Pharmaceutical Care. Miami Beach, FL. March 21, 1998.

13. **Karen B. Farris**. Improving your research project. Alberta Hospital Pharmacy Residency Committee. Edmonton, AB. November, 1995; October 1996; October 1997; October 1998; October 1999.

12. **Karen B. Farris**. Pharmacy in Canada. Invited panelist to provide overview of Pharmaceutical Care at FIP 97 - 57th World Congress of Pharmacy and Pharmaceutical Sciences ‘97. Vancouver, BC. September 1, 1997.

11. **Karen B. Farris**. Patient Care in the 90s: strategies to improve continuity. Chinook Chapter CSHP. Lethbridge, AB. June, 1997

10. **Karen B. Farris**. Pharmaceutical cost containment strategies: what has worked and what has not worked. Employers’ Committee on Health Care. Edmonton, AB - May 7, 1997, Calgary, AB - May 15, 1997, Calgary, AB - June 24, 1997.

9. **Karen B. Farris**. Practice innovation. Workshop Leader. CPhA Community Pharmacy Forum. Ottawa, ON. May, 1997.

8. **Karen B. Farris**. Measuring pharmacist value: how to’s of setting up and measuring outcomes. Eli Lilly Management Seminar. October 17-19, 1996.

7. **Karen B. Farris**. Essential changes in practice behavior. CPhA Community Pharmacy Forum. Moncton, NB. March, 1996.

6. **Karen B. Farris**. Pharmaceutical care workshop. Chinook Chapter CSHP. Lethbridge, AB. October, 1995.

5. **Karen B. Farris**. Pharmacoeconomics: pharmacists and health outcomes. Edmonton Society of Pharmacists. Edmonton, AB. October, 1995.

4. **Karen B. Farris**. Pharmacist panelist in the plenary session “The future of primary care.” 1995 Section of Teachers of Family Medicine - 17th Annual Workshop. Edmonton, AB. October, 1995.

3. **Karen B. Farris**. Perceptions of pharmaceutical care in Alberta, Canada. Alberta Pharmaceutical Association 84th annual meeting & convention. Jasper, AB. June, 1995.

2. **Karen B. Farris**. Caring: An integral component of the pharmacist-patient relationship. CSHP Alberta Branch Annual Meeting. Red Deer AB. April, 1995.

1. **Karen B. Farris**. Implementing pharmaceutical care. Medicine Bottle pharmacists. Edmonton, AB. February, 1995.

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**Grants Received** [Amounts listed are total grant dollars. Note that salaries of academic faculty are not included in grants in Canada, and no overhead costs were included in grants obtained in Canada except where noted.]

## Principal Investigator or Co-Principal Investigator Grants

2024-2028 Principal Investigator. Rho Chi Society Grant for the National Office. $679,628, 3% effort, 10% indirects.

2019-2024 Principal Investigator. Rho Chi Society Grant for the National Office. $657,164, 5% effort, no indirects.

2024 Co-Principal investigator – KB Farris and OS Anderson. Intentional Measurement of Healthcare Teams. Center for IPE, University of Michigan. 5% effort 6 months.

2020-23 Co-Principal investigator – KB Farris and HM Choe. $94,019 with 26% indirect.

Improving control of HTN and HBC among individuals in rural Michigan. Michigan Department of Health & & Human Services. From 2% in year 1 to 4.5% effort in years 2-3.

2019-22 Principal Investigator (site PI). $175,142 with 30% indirect. Oral Adherence in

Hematological Oncology Agents and Impact on Comorbid Therapy Adherence. Astra Zeneca (subaward from Univ of Tennessee). 7.5% effort, will have no-cost extension through 2022 for COVID-related recruitment delays. No-cost Extension to June 2023.

2019-23 Executive Vice President (EVP). The Rho Chi Society. 5% effort (service contract with funded effort).

2014-20 Principal Investigator - D4 Project. $522,515 with 55.5% indirect. M-MIND (Medication

Management among Individuals with Neurodevelopmental Disabilities). Center on

Technology Increase Knowledge: Technology to Optimize Choice, Rehabilitation Engineering Research Center (RERC) from the National Institutes of Disability and Rehabilitation Research (NIDRR). 5% effort.

2014-17 Principal Investigator. $299,883 with 54% indirect. Agency for Healthcare Research and Quality. Improving Adherence and Outcomes by Artificial Intelligence-Adapted Text Messages (1 R21 HS022336-01A1). 10% effort, one-year no-cost extension.

2013-14 Principal Investigator. $49,884 with 0% indirect. University of Michigan Clinical & Health Research (MICHR) Pilot Grant Program. Improving adherence and outcomes by artificial intelligence-adapted text messages.

2011-12 Principal Investigator. $16,900 with 0% indirect. Community Pharmacy Foundation Funding: Creating a Roadmap for Pharmacy Investigators. 2% effort.

2008-12 Principal Investigator. $1,359,007 with 10% indirect. Improving women’s contraceptive knowledge, attitudes and behavior via the community pharmacy. 20/15/7.5/12.5/20% effort. Subcontract from The Iowa Initiative to Reduce Unintended Pregnancies: Intervention Proposals, Losch M (PI) $11,531,014.

2007-13 [One year no-cost extension] Co-Principal Investigator. $3,576,244, with 47.5% indirects. Carter B (PI). Enhanced continuity of pharmacy care for cardiovascular or pulmonary diseases. (RO1), National Institute of Heart, Lung and Blood Institute. 20% effort.

2006-09 Principal Investigator. $278,059, with 47.5% indirect. MD.2 Medication Dispenser: Improving Health Outcomes. Interactive Medical Developments via STTR subcontract from Interactive Medical Developments (4 R42 AG 021844-02, NIA). 20% effort.

2006-08 Principal Investigator. $38,256. Decision aid development: Clinically significant medication safety problems among community-dwelling older adults. University of Iowa Older Adult CERT. 10% effort year 1 and 4% year 2.

2006-07 Principal Investigator. Up to $5000 (consulting contract). Medication adherence literature review. PhRMA. 1% effort.

2006-07 Principal Investigator. $14,750, with 47.5% indirect. Iowa Prescription Drug Repository. Iowa Prescription Drug Corporation via Iowa Department of Public Health contract. 2% effort.

2003-06 Principal Investigator. $57,186, with 47.5% indirect. MD.2 Medication Dispenser: Improving Health Outcomes. Interactive Medical Developments via STTR subcontract from Interactive Medical Developments (1 R42 AG 21844-01, NIA). 20% effort, 5% in-kind.

2003-05 Principal Investigator. $10,000.00. Evaluation of Medication Management Capacity in the Elderly. CAP Internal Funding. No salary provided, 5% effort.

2003-04 Principal Investigator. $17,169, with 10% indirect. Satisfaction with Iowa Priority Prescription Savings Program. Iowa Prescription Drug Corporation. 5% effort.

2002-03 Principal Investigator. $99,653, total with 10% indirect. Impact of the Iowa Priority Brown Bag Medication Review on the Safety, Effectiveness and Efficiency of Seniors’ Medication Use. Iowa Department of Public Health. 15% effort.

1999-01 Principal Investigator. $449,676 CDN. Primary health care collectives: improving the quality of medication use in the community. Health Transition Fund, Health Canada and the support of Alberta Health & Wellness. 25% effort.

1998-01 Principal Investigator. $70,000 CDN. Developing a medication review program via Listen-Dialogue-Action with seniors and healthcare providers. Health Research Fund/Senior Health Research Initiative via AHFMR. (End date extended for dissemination until July 2001.) 20% effort.

1998 Co-Principal Investigator. $8,855 CDN. Methods of educating pharmacists and the public on prescribing, monitoring and use of drugs (literature review). Institute of Pharmaco-Economics, (report submitted). 10% effort.

1997-98 Analyst/consultant. $9,000 CDN. Frequency and type of poisoning affecting children in Alberta. Alberta Health – Health Surveillance Branch. 10% effort.

1997-98 Analyst/consultant. $22,625 CDN. Estimate of the prevalence of chronic disease among seniors in Alberta. Alberta Health – Health Surveillance Branch. 10% effort.

1997 Alberta Heritage Foundation for Medical Research Travel Grant. $2,500 CDN.

1995-98 Principal Investigator. $439,000 CDN. Healthcare outcomes of senior Albertans after the provision of pharmaceutical care. Sponsored by Alberta Minister of Health ($150,000), Alberta Pharmaceutical Association ($150,000), University of Alberta

Central Research Fund ($14,000), Merck Frosst Canada ($50,000), Hoechst Marion Roussel ($50,000), Alberta Health - Health Services Research and Innovation Fund ($25,000). 20% effort.

1994-96 Principal Investigator. $7,175 CDN total, including 10% indirect. Codeine exposure

and associated outcomes in ambulatory Alberta seniors. American Association of Colleges of Pharmacy Geriatric Ambulatory Care Grant Program for Investigators, sponsored by the Parke-Davis Company. 10% effort.

1994-95 Principal Investigator. $84,755 CDN. Arthrotec utilization in Alberta after provincial government formulary listing. Searle Canada Inc (report submitted). 20% effort.

1994 Principal Investigator. $7,740 CDN. A pilot study to improve antibiotic utilization in Alberta: an application of retrospective drug utilization review. University of Alberta Central Research Fund. 20% effort.

1994 Alberta Heritage Foundation for Medical Research Travel Grant. $1200 CDN.

1993 Principal Investigator. $13,800 CDN. The potential economic impact of Arthrotec drug product costs in Alberta. Searle Canada Inc (report submitted). 20% effort.

1993 Principal Investigator. Grant No. SF-57230. $1768. Trying to prevent and correct drugtherapy problems: a survey of Michigan community pharmacists. University of Michigan Rackham Dissertation Grant. 100% effort.

1992 Principal Investigator. Grant No. 083-SAP/92-09. $3000. Trying to prevent and correct drug-therapy problems: a survey of Michigan community pharmacists. Student Awards Grant from the Michigan Health Care Education and Research Foundation. 100% effort.

## Co-Investigator Grants

2021-2016 Co-investigator. Patient engagement in reporting medication events during transitions of care AHRQ. 1% effort.

2021-present Investigator/evaluator. Emily Mackler, PI. Pharmacists Optimizing Oncology Care Excellence in Michigan (POEM) of Michigan Care Management Transformation (MICMT). Blue Cross Blue Shield of Michigan, 5% effort.

2018-present Investigator/evaluator. Hae Mi Choe, PI. Michigan Care Management Transformation (MICMT). Blue Cross Blue Shield of Michigan, 15% effort.

2015-22 Investigator/evaluator. Jennifer Griggs, PI. Michigan Oncology Quality Consortium (MOQC), Blue Cross Blue Shield of Michigan 4% effort.

2016-22 Co-investigator. Chris Friese, PI. Multi-Modal Interprofessional Training to Improve Chemotherapy Safety, 1.5% effort.

2016-21 Co-investigator. Amy Bohnert, PI. Reducing Non-Medical Opioid Use: An automatically adaptive mHealth Intervention, NIH, R01DA039159, 5% effort.

2015-18 Co-investigator. Hae Mi Choe, PI. MTM Management Pharmacy Innovations. University of Michigan Drug Benefit Program, 5% effort.

2018 Investigator/evaluator. Hae Mi Choe, PI. Michigan Pharmacists Transforming Care and Quality. Blue Cross Blue Shield of Michigan, 10% effort.

2016-18 Co-investigator. Michael Dorsch, PI. A patient-centered mobile intervention to promote self-management and improve patient outcomes in chronic heart failure, AHRQ, 10% effort.

2015-18 Faculty lead. Pilot Grant Program. George Mashour, PI, MICHR. National Institute of Health. UL1TR000433, 10% effort.

2015-17 Investigator. Intergovernmental Personnel Act, Veteran’s Administration, 1% effort.

2014-18 Co-investigator. Gang Fang, Principal Investigator (University of North Carolina). National Health Literacy Mapping to Inform Healthcare Policy 1 R01 AG046267-01A1, 5% effort.

2013 Co-investigator. $60,000 with 0% indirect. Satinder Singh, Principal Investigator. University of Michigan M-cubed. Improving adherence and outcomes by artificial intelligence-adapted text messages.

2010-12 Co-investigator. $412,500. Nia Aitaota, Principal Investigator. Faith in Action Research Alliance: Reducing diabetes among Pacific Islanders. NIH, 5% effort.

2009-13 Co-investigator. $1,851,108. William Doucette, Principal Investigator. Demonstration of Quality Improvement of Medication Therapy Management Services. National Institutes of Health, 5/5/10/10 percent effort.

2007-10 Co-Investigator. $1,199,999 E. Chrischilles, Principal investigator. Personal health records and elder medication use quality. Agency for Healthcare Research and & Quality. 15%, 10%, 10% in years 1, 2 and 3, respectively.

2009 Co-Investigator. $49,999. Yang Xie, Principal Investigator. Adherence to HAART and Quality of Life among HIV-infected Patients. Merck. 1.25% effort.

2007-09 Co-investigator. $79,919. W. Doucette, Principal investigator. Tool in practice. University of Iowa Older Adult CERT. 3.3% effort.

2006-09 Co-Investigator. $974,997. E. Chrischilles, Principal investigator. Pharmaceutical Case Management & Living Well with a Disability. Centers for Disease Control. 7%, 5%, 10% effort in respective 3 years of project.

2007-09 Co-investigator. $31,141. J Urmie, Principal investigator. The effect of the Medicare prescription drug, improvement, and modernization act of 2003 on patient medication safety and access. University of Iowa Older Adult CERT. 3.3% effort.

2006-07 Co-investigator. $43,385. E. Chrischilles, Principal investigator. Model of homebased Pharmaceutical Case Management for people with disabilities. Iowa Department of Public Health. 10% effort.

2007 Co-investigator. $93,741. W. Doucette, Principal investigator. An initial evaluation of medication therapy in the upper Midwest. Community Pharmacy Foundation. 6% effort and 1.7% effort in-kind.

2006-07 Co*-*Investigator. $59,838. W. Doucette, Principal investigator. Evaluation of Pharmaceutical Case Management in a Private Sector Health Plan. Iowa Pharmacists Association with pass-through from Community Pharmacy Foundation. 9% effort.

2003-06 Co*-*Investigator.$1,948,095. B. Carter, Principal investigator, Collaborative Management of Hypertension (1 RO1 HL69801-01A1), National Institute of Heart, Lung and Blood Institute. 15% effort.

2003 Co-Investigator.Direct Costs $49,596. J. Lowe, Principal investigator. Proposal for evaluating the effective of Pfizer’s “Easy Read” patient education materials in selected community health clinics. Pfizer Pharmaceuticals. 5% effort.

2001-05 Iowa Geriatric Education Center Consortium Participant. Gary Rosenthal – Principal investigator , Faculty coordinator, Objective 1.6. Medication safety in older patients., 2% effort.

2001-02 Co-investigator. $14,598. Sub-study. Pharmaceutical Case Management Follow-Up. 2% effort.

2001-02 Co-investigator. $5,000. Ann Marie McCarthy – Principal investigator, Medication administration in the school setting: perceptions of families. Obermann Center for Advanced Studies Spelman Rockefeller (CASSPR). 5% in-kind.

2000-02 Co-investigator. US $600,000. Dev Menon– Principal investigator . The Merck Company Foundation Program on Pharmaceutical Company Issues. Grant to Institute of Health Economics, Edmonton Alberta Canada.). 5% effort.

1998-00 Co-investigator. $217,545 CDN. Ross T. Tsyuki, Principal investigator. The Study of Cardiovascular Risk Intervention by Pharmacists (SCRIP). University of Alberta Hospital Foundation, Institute of Pharmaco-economics, Alberta Pharmaceutical Association, Merck Frosst Canada Inc. 2% effort.

1998-00 Co-investigator. $80,000 CDN. Janet C. Ross-Kerr – Principal investigator. Active Living in Vulnerable Elders (ALIVE). Health Research Fund/Senior Health

Research Initiative via Alberta Heritage Foundation for Medical Research. 2% effort

1997 Co-investigator. $7,300 CDN. Jeffrey Johnson, Principal investigator. Patient satisfaction with pharmacy services. Apotex, Inc. (report submitted). 5% effort.

# PROFESSIONAL, GOVERNMENTAL, UNIVERSITY AND OTHER SERVICE

**Professional and Governmental Organizations**

## Memberships

2018-present Hematology/Oncology Pharmacy Association (HOPA)

2013-present American College of Clinical Pharmacy

1989-present American Association of Colleges of Pharmacy (AACP)

1989-present American Pharmaceutical Association (APhA)

2000-2010 Iowa Pharmacy Association

1989-2005 Tennessee Pharmacists Association

1994-2000 Canadian Pharmacists Association

1993-2000 Association of Faculties of Pharmacy of Canada (AFPC), Alberta Councillor

## National Office

2009 Past Chair, Social & Administrative Sciences Section, American Association of Colleges of Pharmacy

2008 Chair, Social & Administrative Sciences Section, American Association of Colleges of Pharmacy

2007 Chair-elect, Social & Administrative Sciences Section, American Association of Colleges of Pharmacy

## Editorships

* Natalie DiPietro Mager and Karen B. Farris, Co-editors. Pharmacy in Public Health. *Am J Pharm Educ* Special Series, 2014-2016.
* *Pharmacy Practice* (www.pharmacypractice.org) - quarterly, free full-text journal with a focus on the practice of pharmacy) – Member, Editorial Board, 2006-present.
* *International Journal of Pharmacy Practice* – Member, International Editorial Board, 20032020
* *Research in Social & Administrative Pharmacy* – Member, Editorial Board 2007-2012.
* *The Annals of Pharmacotherapy – C*hairman of the Pharmacosociology Panel of the Editorial Board, 2003 – 2010
* 2004-2007, Series in *Annals of Pharmacotherapy* entitledPharmaceutical Care in

Community Pharmacy: Practice and Research from Around the World. K. Farris, University of Iowa, S.I. Benrimoj, University of Sydney, and Fernando Fernandez-Llimos, University of Lisbon (editors).

## External Committees

### Period Committee name Role

|  |  |  |
| --- | --- | --- |
| 2023-present | MPA Community Pharmacy Summit | UM member |
| 2020-present | APhA-APRS Policy Standing Committee | Member |
| 2020-present | APhA House of Delegates | APRS caucus delegate |
| 2021-2023 | Oral Chemotherapy Collaborative, HOPA | Chair |
| 2014-2018, 2021, 2024 | ACCP FIT/MeRIT Program | Mentor |
| 2018-2020 | Pharmacy Quality Alliance Academic Affairs Committee | Member |
| 2018 | AACP Social & Administrative Sciences Nominating Committee | Member |
| 2014-2017 | AACP Social & Administrative Sciences Awards Committee | Member |
| 2014-2016 | Pharmacy Quality Alliance Quality Metrics Expert Panel | Member |
| 2011-2013 | Pharmacy Quality Alliance Medication Safety Committee | Co-chair |
| 2012, 2013 | APhA-ESAS Methods Programming Committee | Chair |
| 2011-2012 | National Quality Forum Care Coordination Steering Committee | Member |

2011 Pharmacy Quality Alliance Education Workgroup Co-chair

|  |  |  |
| --- | --- | --- |
| 2010-2011 | Pharmacy Quality Alliance Workgroup on Care Transitions/Medical Home | Co-chair |
| 2008-2009 | National Quality Forum Care Coordination | Member |
| 2008-2010 | Pharmacy Quality Alliance Medication Reconciliation Metrics Workgroup | Member |
| 2007 - 2009 | Pharmacy Quality Alliance Communication &  Education & Workgroup (appointment by American Pharmacists Association) | Co-chair |
| June 5-6, 2007 | ASHP/ASHP Foundation’s Continuity of Care in Medication Use Summit | Invited Participant |
| December 12, 2006 | NQF Workshop - Defining the Framework for Therapeutic Drug Management Quality. | Invited Participant |
| **Period** | **Committee name** | **Role** |
| 2006-2007 | Pharmacy Quality Alliance Workgroup on Quality  Metrics (appointment by American Pharmacists Association) | Member, Chair –  Heart Failure  Working Group |
| 2006-2008 | Iowa Pharmacy Association Board of Trustees | Member |
| 2002-2005 | Iowa Pharmacy Association Policy Committee on Public Affairs | Member – 2002-  2004, Chair -2005 |
| 2001 | Iowa Pharmacy Association Patient Safety Task Force | Member |
| 1999-2000 | Alberta Management Committee on Drug  Utilization | Member |
| 1998-1999 | Association of Faculties of Pharmacy of Canada /Canadian College of Clinical Pharmacy Joint Meeting Planning Committee. | Member |
| 1998 | Research Issues – Consultation for Health  Information Protection Legislation, Alberta Health | Member |
| December 1998 | AtliMed/CFP Advisory Panel – survey development regarding physicians’ perceptions of pharmacists | Member |
| 1997-2000 | Research Priorities Task Force, Canadian Pharmacy Practice Research Group | Member |
| 1996-2000 | Canadian Pharmacy Practice Research Group Founding Committee | Member |
| 1995-2000 | Association of Faculties of Pharmacy of Canada | University of Alberta representative |

## Reviewing

*Grants*

2024 MICHR Mentor Award

2011, 2013, 2018, 2020, 2021

National Institute of Health, Small Business Innovation Research Risk,

Prevention Health Behavior Review Committee

2014 – 2018, 2021 American College of Clinical Pharmacy FIT or MeRIT Mentor

2019 MICHR KL2 Awards, University of Michigan, October 2019

2018 Precision Health Awards, University of Michigan, May 2018

2018 MICHR Accelerating Synergy Awards, University of Michigan, April & May 2018

2017, 2021 AACP New Investigator Award

2017 NIH Health Care Systems Research Collaboratory Review Panel, October 2017

2015 American College of Clinical Pharmacy Research Foundation New Investigator Award

2012 National Institute of Health, Healthcare Delivery and Methodologies (HDM), February 2012, June 2012

2004-2006 American Association of Colleges of Pharmacy New Investigator Grants, Panel Coordinator, Social & Administration Sciences

2003 University of Iowa Office of Vice-President Research Collaborative

Interdisciplinary Review Panel

2002, 2004 University of Iowa Office of Vice-President Research Social Sciences Review Panel

2001 External reviewer, Alberta Heritage for Medical Research, Health Research Fund

1999 External reviewer, Manitoba Health Research Council

1998 External reviewer, Health Canada – Health Promotion and Programs Branch

1995 & 2003 American Association of Colleges of Pharmacy New Investigator Grants Social & Administration Sciences Panel

1995 Capital Health Authority Education and Research Development Program, Edmonton Alberta, Canada

1994, 1996 & 2000 External reviewer, National Health Research and Development Program (Canada)

*Programs*

Virginia Commonwealth University. Reviewer for School of Pharmacy graduate program’s Provost’s review. March 6-7, 2024.

University of Toronto. New program proposal for Master of Science in Pharmacy (MScPhm), January 24, 2018.

University of New Mexico College of Pharmacy Department of Pharmacy Practice and Administrative Science and PEPPOR (Graduate program in Pharmacoeconomics, Epidemiology, Pharmaceutical Policy and Outcomes Research), April 2016.

University of Connecticut School of Pharmacy Department of Pharmacy Practice, April 2015.

University of Illinois at Chicago College of Pharmacy Department of Pharmacy Administration

Graduate Program, April 2013

*Publications (in alphabetical order)*

*American Journal of Pharmaceutical Education –* 2009, 2010, 2011, 2013

*American Journal of Health-system Pharmacists* - 2006

*Annals of Pharmacotherapy –* 1995, 1997, 1998, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2013

*Archives of Clinical Neuropsychology –* 2012

*BMC Geriatrics -* 2010

*BMC Health Services Research* – 2014, 2020

*BMC Medical Informatics and Decision Making* - 2012

*BMC Public Health* – 2008, 2014

*Canadian Pharmacy Journal –* 2015

*Currents in Pharmacy Teaching and Learning –* 2014

*Disease Management and Health Outcomes –* 2004

*Drug and Aging –* 2009

*International Journal of Clinical Pharmacy –* 2011, 2012, 2013, 2018, 2021

*International Journal of Pharmacy Practice –* 1998, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2014, 2017, 2018

*JAGS -* 2006

*Journal of Aging and Health -* 2011

*Journal of American College of Clinical Pharmacy* – 2020, 2022

*Journal of American Pharmaceutical Association –* 2000, 2002, 2005, 2006, 2008, 2009, 2010, 2018, 2021

*Journal of Clinical Oncology –* 2021

*Journal of Medical Internet Research (JMIR)* - 2023

*Journal of Pain and Symptom Management –* 2019

*Journal of Managed Care Pharmacy –* 2004, 2006, 2017

*Journal of Pharmacy Practice and Research (Australia) –* 2009

*Journal of Research in IPE -* 2022

*Medical Care –* 2005, 2006, 2007, 2008, 2010, 2013, 2014

*Patient Education and Counseling –* 2010, 2023

*Pharmacoepidemiology & Drug Safety* – 2005, 2014

*Pharmacotherapy –* 2015, 2022

*Pharmacy Practice –* 2006, 2008

*Pharmacy World & Science –* 2004, 2006, 2007, 2009

*Plos One* – 2020

*Research in Social & Administrative Pharmacy* – 2005, 2007, 2008, 2009, 2012, 2017, 2021, 2022

*Social Science & Medicine –* 2000, 2002

*Value in Health* – 2005

*Vascular Health and Risk Management* - 2006

*Abstracts*

Pharmacy Quality Alliance Annual Meeting, 2020, 2019

Social & Administrative Sciences Section, American Association of Colleges of Pharmacy – 2006, 2007, 2015

Economic Social & Administrative Sciences Section-APRS, American Pharmacists Association

– 2000 – 2002, 2004 – 2010; 2018, 2019

**Department, College, and University**

## Department

|  |  |  |
| --- | --- | --- |
| **Period** | **Committee name** | **Role** |
| 2024 | HSR Search Committee | Chair |
| 2020 | Department of Clinical Pharmacy, Promotion Review Committee | Member |
| 2020 | HSR Search Committee | Chair |
| 2016-2018 | Graduate Program Workgroup | Chair |
| 2011-2014 | Department of Clinical, Social &  Administrative Sciences Leadership Team | Member |
| 2006-2009 | CAP Stakeholder Committee (Iowa) | Chair |
| March – June 2006 | PSE Faculty Search Committee (Iowa) | Chair |

**College** *(1993-2000 University of Alberta; 2000-2010 University of Iowa; 2011 to present*

*University of Michigan)*

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| **Period** | | **Committee name** | **Role** | |
| 2022-present | | Faculty Development Committee | Dean of Record | |
| 2022-present | | BSPS Curriculum Committee | Dean of Record 2022-2023; Ex officio 2023 to present | |
| 2022-present | | MSIPS Committee | Dean of Record | |
| 2022-2024 | | Graduate Education Committee | Chair | |
| 2022-present | | Executive Committee | Ex-Officio | |
| 2022-present | | Administration & Operations Committee | Member | |
| 2021-2023 | | Curriculum and Assessment Committee Race/Ethnicity/SDOH Subcommittee | Member | |
| 2021-2022 | | Graduate Education Committee | Member | |
| 2021-present | | Executive Committee | Voting member | |
| 2021-2022 | | Pharmacy Dean Search Advisory Committee | Member | |
| 2020 | | Department of Pharmaceutical Sciences, Promotion Review Committee | Member | |
| 2019 | | Building Committees (administrative suite; computational lab; skills) | Member | |
| 2014-2020 | | Executive Committee | Ex-Officio | |
| 2014-2020 | | Administration & Operations Committee | Member | |
| 2015-2019 | | Graduate Education Committee | Chair | |
| 2012-2014 | | Executive Committee | Member | |
| 2011-2014 | | Educational Outcomes Task Force | Chair | |
| 2011-2013 | | Curriculum and Assessment Committee | Member | |
| 2009-2010 | | Curriculum Transformation Task Force | Chair | |
| 2008-2010 | | Student Sub-committee ACPE Accreditation Committee | Chair | |
| May 21-24, 2007 | AACP Institute. Evaluation, assessment and outcomes:  responding to ACPE standards | University of Iowa team member | |
| 2005 & 2006 | P4 Assessment Day Task Force | Member | |
| 2003 & 2005-2009 | COP Ball | Faculty Advisor | |
| 2004-2010 | Phi Lambda Sigma | Faculty Advisor | |
| 2004-2008 | Assessment Committee | Chair | |
| 2003 | Pharmacy Practice Laboratory Coordinator Search Committee | Chair | |
| 2003 - 2010 | University of Iowa College of Pharmacy/University of Iowa Hospitals & Clinics Pharmaceutical Enterprise | Member | |
| 2002-2003 | Library & Learning Resources Sub-committee. ACPE Accreditation Committee | Chair | |
| 2001-2004 | Admissions Committee | Member | |
| 2001-2003; 2004-  2005 | | Information Technology Committee | Member |
| 1997-1999 | | Experiential Learning Curriculum Development.  University of Alberta Faculty of Pharmacy and  Pharmaceutical Sciences | Member |
| 1997-2000 | | Graduate Program Committee. Centre for Health Promotion Studies, University of Alberta | Member |
| 1997-2000 | | Pharmaceutical Care Module. University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences | Chairperson  (1998-2000),  Co-chairperson  (1997-1998) |
| 1996-2000 | Admission Committee, Centre for Health Promotion, University of Alberta | Member |
| 1995-2000 | Standing Committee on Health Promotion, University of Alberta |  |
| 1995-2000 | Appeals Committee, University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences | Chair 1996-2000, member 1995 |
| 1997 - 1998 | Faculty Council Voting Committee. University of  Alberta Faculty of Pharmacy and Pharmaceutical Sciences | Chair |
| 1995-1999 | Space Committee. University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences | Chair (1999)  Member (19951998) |
| 1994, 1995, 1998 | Faculty Evaluation Committee, University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences | Member |

**University** *(1993-2000 University of Alberta; 2000-2010 University of Iowa; 2011 to present University of Michigan)*

### Period Committee name Role

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| 2022-present | Associate Deans Group | | | | Member |
| 2023-present | University of Michigan Human Research Protection Program Advisory Council | | | | Member |
| 2022-present | Workgroup #3 Intentional Measurement and Research, Center for Inter-Professional Education | | | | Co-lead |
| 2021-2022 | University of Michigan Campaign Health and Wellness Campaign Theme Group (CTG) | | | | Member |
| 2016-2024 | Ginsberg Center Faculty Advisory Committee | | | | Member |
| 2019-2021 | MICHR Mock Study Section (yearly) | | | | Chair or CoChair |
| 2019-2024 | Michigan Center for Diabetes Translational Research Pilot and Feasibility Grants Advisory Council | | | | Member |
| 2017-2022 | IPE 101 Task Force, Center for Inter-Professional Education | | | | Member |
| 2015-2020 | | | Institute for Healthcare Policy & Innovation Leadership Team | | Member |
| 2016-2019 | | | Medical Benefits Advisory Committee | | Member |
| 2019 | | | Department of Learning Health Sciences Division of Learning and Knowledge System Search Committee | | Member |
| 2018-2021 | | | Precision Health Faculty Advisory Committee | | Member |
| 2016-2019 | | | MICHR Mentor Award Review Committee | | Member |
| 2015-2018 | | | MICHR Cabinet | | Member |
| 2014-2015 | | | Search Committee, Chief Pharmacy Officer and  Associate Dean for Clinical Affairs in the College of Pharmacy | | Member |
| 2013-2015 | | | Michigan Institute for Clinical & Health Research  (MICHR) Outreach, Partnerships and Implementation  Science (OPIS) Program Committee | | Member |
| 2009 | | | Jakobsen Conference | | Reviewer |
| 2008 | | | Graduate College Mentor of the Year Selection Committee | | Member |
| 2007-2008 | | | Dean Search Committee, College of Public Health, | | Member |
| 2006-2007 | | | Pharmacy Dean Search Committee | | Member |
| 2006-2007 | | | Smoke-Free Advisory Committee to the Health Sciences Policy Committee | | Member |
| 2002-2005 | | | University of Iowa Research Council | | Member |
| 2001, 2004-2005 | | | Social Science Advisory Board, University of Iowa Office of Vice-President for Research and External Relations | | Member | | |
| 1997-2000 | | | Graduate Program Committee, Centre for Health Promotion | | Member | | |
| 1996-2000 | | | Admission Committee, Centre for Health Promotion | | Member | | |
| 1995-2000 | | | Standing Committee on Health Promotion | | Member | | |