

**IOWA BOARD OF PHARMACY
FY 17 REVENUE REPORT THROUGH JULY 1, 2016**

	<u>Revenues to Date</u>	<u>FY Revenues Anticipated</u>	<u>% of Anticipated</u>
Carry-over from prior FY	1,269,373.00	1,269,373	100.00%
Pharmacy Licenses			
0 Fees @ \$135	0.00		
0 Penalties	0.00		
	0.00	296,600	0.00%
Wholesale Licenses			
0 Fees @ \$270	0.00		
0 Penalties	0.00		
	0.00	456,390	0.00%
Precursor Permits			
0 Fees @ \$180	0.00		
Penalties @ \$180	0.00		
	0.00	360	0.00%
Pharmacist Licenses			
0 Fees @ \$180	0.00		
0 Penalties	0.00		
0 Delinquent @ \$630	0.00		
	0.00	543,870	0.00%
NRP Pic Registrations			
0 Fees @ \$25	0.00		
0 Penalties @ \$25	0.00		
	0.00	25,000	0.00%
Outsourcing Fac. Lic.			
0 Fees @ \$135	0.00		
0 Penalties @ \$135	0.00		
	0.00	2,295	0.00%
Internet Site Reg			
0 Fees @ \$135	0.00		
0 Penalties	0.00		
	0.00	675	0.00%
CSA Registrations			
0 Fees @ \$90	0.00		
0 Penalties @ \$90	0.00		
	0.00	1,055,250	0.00%
Technician Registrations			
0 Fees @ \$40	0.00		
0 Penalties	0.00		
0 TT Fees @ \$20	0.00		
	0.00	130,260	0.00%
PSP Registrations			
0 Fees @ \$25	0.00		
0 Penalties @ \$25	0.00		
	0.00	29,725	0.00%
Examination Fees			
0 Fees @ \$252	0.00		
0 Fees @ \$36	0.00		
	0.00	45,576	0.00%
RPh Reciprocity Fees			
0 Fees @ \$270	0.00		
	0.00	22,680	0.00%
Intern Registrations			
0 Fees @ \$30	0.00		
	0.00	6,000	0.00%
Returned Check Fees			
0 Fees @ \$20	0.00		
	0.00	100	0.00%
TOTAL REVENUES	1,269,373.00	3,884,154	32.68%

Treasure Hunt:		FY17 Fee Receipts:	0.00

**IOWA BOARD OF PHARMACY
FY17 FINANCIAL STATEMENT AS OF JULY 1, 2016**

0.00% FY Completed

	<u>Total Paid to Date</u>	<u>Outstanding Obligations</u>	<u>Total FY Obligations</u>	<u>FY Budget Allocations</u>	<u>% of Budget Obligated</u>
2092 Board of Pharmacy					
101 Personnel Services	0.00		0.00	1,747,613	0.00%
202 In-State Personal Travel	0.00		0.00	40,000	0.00%
203 State Vehicle Operation	0.00		0.00	26,000	0.00%
204 State Vehicle Deprec.	0.00		0.00	16,000	0.00%
205 Out-of-State Pers Travel	0.00		0.00	40,000	0.00%
301 Office Supplies	0.00		0.00	30,000	0.00%
309 Printing and Binding	0.00		0.00	8,000	0.00%
313 Postage	0.00		0.00	38,000	0.00%
401 Communications	0.00		0.00	25,000	0.00%
402 Rentals	0.00		0.00	71,000	0.00%
405 Professional Services	0.00		0.00	4,000	0.00%
406 Outside Services	0.00		0.00	40,000	0.00%
408 Advertising/Publications	0.00		0.00	15,000	0.00%
409 Outside Repairs	0.00		0.00	3,500	0.00%
414 Reimb. to Other Agencies	0.00		0.00	15,000	0.00%
416 Reimb. OCIO	0.00		0.00	100,000	0.00%
432 Attorney General Reimb.	0.00		0.00	190,000	0.00%
433 Auditor Reimb.	0.00		0.00	6,000	0.00%
434 Transfer-Other State Agcy	0.00		0.00	14,000	0.00%
501 Equipment	0.00		0.00	30,000	0.00%
503 Office Equip-Noninventory	0.00		0.00	3,000	0.00%
510 IT Equipment & Software	0.00		0.00	850,000	0.00%
602 Other Expenses	0.00		0.00	1,000	0.00%
601 Anticipated Carry-over	0.00		0.00	571,016	0.00%
705 Refunds	0.00		0.00	25	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>3,884,154</u>	<u>0.00%</u>

"CASH" FUND BALANCE: 1,269,373.00 (Revenues less Total Paid to Date)

7496 PMP Program Fund					
406 Outside Services	0.00		0.00	60,000	0.00%
510 IT Equipment & Software	0.00		0.00	44,400	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>104,400</u>	<u>0.00%</u>

Carry-over from Prior Years \$0.00 Transfer from 2092 Revenues \$104,400.00

7493 IMP3 Program Fund					
101 Personnel Services			0	1300	
202 In-State Personal Travel			0	26,000	
205 O-O-State Personal Travel			0	3,900	
301 Office Supplies			0	2,100	
309 Printing/Binding			0	1,600	
409 IntraAgency Reimb.			0	14,000	
408 Advertising/Publications			0	5,750	
510 IT Equipment & Software			0	5,600	0.00%
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>60,250</u>	<u>0.00%</u>

Carry-over from Prior Years \$0.00 Transfer from 2092 Revenues \$60,250.00



2016 NABP 112th Annual Meeting Summary San Diego, CA May 14-17

1. Board Attendees

- a. Jim Miller
- b. Sharon Meyer
- c. Jason Hansel
- d. Andrew Funk

2. CPE Courses

a. Telepractice (remote dispensing)

i. TX BOP

1. Permits telepharmacies in very limited situations
 - a. Rural health clinics
 - b. Health center
 - c. Health care facility located in a medically underserved area
 - d. Remote dispensing sites cannot operate within the same community as a traditional pharmacy
2. Legislation has been on the books since 2001. Since this time, TX has licensed a total of 4 telepharmacy sites.

ii. IL BOP

1. Similar to IA pilots, only with additional permissions ("pharmacy in a box")
2. Barcode system required

b. Educational Posters

- i. R.Ph. prescriptive authority for contraception in OR
- ii. Safe handling and disposal of oral chemotherapy for patients, caregivers and the public
- iii. Promoting safety and awareness of consumers by utilizing .Pharmacy domains
- iv. A guide to medication disposal-ND (yellow jug)
- v. Direct-to-consumer genetic testing
- vi. Expanded role of pharmacy technicians: CVS Health

c. Charting the Course of the DSCSA

i. ND BOP

1. Requires VAWD for wholesalers and 3PLs
2. Outsourcers: licensed as a subclass of wholesalers

ii. TN BOP

1. Amended statutory definitions and added new ones to match federal
2. Created a new licensing category to license 3PLs
3. Does not intend to change current rules until clear direction is provided by FDA

iii. CA BOP

1. Licenses 3PLs and has done so for a number of years (14 in state, 58 out of state)

2. Very specific rules/regs for wholesalers and 3PLs.
- d. Status of Pharmacy Technicians
- i. PTCB Update
 1. 2014 median pay: \$14.33/hr
 2. 2014 jobs: 372,500, estimated to grow by 9% by 2022
 3. Certifies 275,000 techs
 4. 45 states regulate techs, 23 states require certification
 5. No national standards for technician training/education requirements
 6. 2020: Techs must complete an ASHP/ACPE-accredited education program
 - a. Why? Roles are evolving and scope of practice is expanding; no national standardization of education; greater expectations from techs.
 7. PTCB recertification requirement
 - a. Will require one CE specific to patient safety, in addition to what's already required in the law CE
 - b. Will only accept pharmacy technician-targeted CE
 - ii. ACPE Update
 1. PTAC: Pharmacy Technician Accreditation Commission
 - a. Reviews applications for program accreditation
 - b. Makes recommendations to ASHP and ACPE
 - c. Making recommendations to Boards regarding standards, policies, etc.
 2. Goal of ASHP-ACPE Collaboration?
 - a. Better qualified and trained workforce
 - b. Improved patient safety
 - c. Accreditation standards need to stay consistent with tech expanding roles
 - d. Greater ability for pharmacists to shift technical tasks to techs
 - e. Less turnover of techs
 3. Accreditation standards for tech programs
 - a. minimum of 600 hours over 15 weeks
 - i. 160 didactic hours (including sterile/nonsterile compounding), 80 of which in "simulation"-must include EITHER sterile or nonsterile compounding (or both)
 - ii. 160 experiential hours in ideally two different practice sites
 - iii. 200 hours up to the programs' discretion
 4. Cited Similar Occupations
 - a. medical lab techs; dental assistants; occupational therapy assistants; physical therapy assistants; radiology techs; surgical technologist
 - i. Nearly all have specific training requirements/prerequisites for certification.
 - ii. Programs range from 9-24 months
- e. Prescription Drug Abuse-Did not attend
- f. National BOP Networking (in lieu of Prescription Drug Abuse)
- i. OR is having difficulty with settling cases because corporations are fearful that other states will pile on discipline with similar fines.
 1. Consensus was, if the violation in another state is dealt with by the home-state, and the discipline was not pursuant to a violation of your state=no discipline
 2. If the violation is also a violation of your state and state residents were potentially affected, perhaps discipline.

- ii. NABP will begin tracking owners of pharmacies
- iii. NJ stipulation orders do not permit rogue pharmacy owners to sell their pharmacies to family members
- iv. NJ gives sterile compounders 10 days to address issues
- v. SC/VA/IL all permit their inspectors to cite violations and assess fines during inspections
- g. Pharmacist Prescriptive Authority
 - i. Why?
 - 1. Patients see pharmacists more frequently than PCPs (15x/yr vs. 7x/year)
 - 2. Studies support it
 - a. 2013: Community pharmacists in Alberta managed patient's glargine dosing resulting in a significant reduction in A1c (9.1 to 7.3)
 - b. 2015: Community pharmacists assessed and monitored (monthly) patients with HTN, prescribing drugs and labs to treat. Pharmacist-treated group showed a significant reduction in both systolic and diastolic BP compared to physician-treated group (-18.3 vs. -11.8 and -8 vs. -4.9, respectively)
 - c. 2015: Community pharmacists executed a CPA for influenza. 11% of patients tested, tested positive. Zero patients received an antibiotic. 44% visited the pharmacy outside of physician hours. 37.3% did not have a PCP. Pt satisfaction was >90%
 - ii. Types of prescriptive authority
 - 1. Collaborative
 - a. Patient-specific CPA
 - b. Population-specific CPA
 - 2. Autonomous
 - a. Statewide protocol
 - b. Unrestricted (class/category-specific)
 - iii. Voiced concerns (as reported by ID BOP)
 - 1. Missed dx (pt comes in for flu, but has underlying heart condition)
 - 2. Conflict of interest/overprescribing
 - 3. Proper training (physician vs. pharmacist)
 - 4. Fragmentation of care-pharmacist lack of access to medical charts, etc.

3. Resolutions

- a. Study to review practices of "white bagging" and "brown bagging"
 - i. NABP will conduct a study, which may include, if appropriate, other key health care stakeholders to review and define the practices of "white bagging" and "brown bagging" and recommend regulatory language, if necessary, to the *Model State Pharmacy Act and Model Rules of the National Association of Boards of Pharmacy* to assist boards of pharmacy in overseeing and addressing the accountability and safety of medications dispensed and administered via these methods.
 - 1. "White bagging" generally refers to a patient-specific medication that is distributed by a pharmacy to a hospital, clinic, physician's office, or pharmacy for later preparation and administration to a patient where allowed by law.
 - 2. "Brown bagging" generally refers to a patient-specific medication that is dispensed by a pharmacy to the patient and then brought by the patient to the hospital, clinic, or physician's office for administration.
 - ii. **PASSED-unanimous**
- b. Increasing patient access to naloxone rescue kits

- i. NABP encourages states to increase patient access to naloxone rescue kits through the independent prescriptive authority of pharmacists.
 - ii. Pharmacists that dispense naloxone rescue kits properly train and counsel individuals on how to correctly administer naloxone to an overdose victim.
 - iii. NABP will consider amending the *Model State Pharmacy Act and Model Rules of the National Association of Boards of Pharmacy* to enable pharmacists to independently prescribe and dispense naloxone rescue kits.
 - iv. **PASSED-unanimous**
- c. Utilization of PMP and other data to more accurately measure and report the scope of prescription drug abuse
 - i. NABP will encourage PMPs to provide reports and other analytical information to appropriate prescribers, pharmacists, and entities that serve as sources of data impacting the identification and reporting of prescription drug injuries and deaths, such as, but not limited to, coroners offices, to help address the prescription drug epidemic and improve patient care.
 - ii. **PASSED-unanimous**
- d. Study on regulations for pharmacy technicians to perform remote data entry
 - i. NABP will conduct a study to examine the emerging practice of allowing pharmacy technicians to perform certain functions remotely, outside of the pharmacy and in home settings, and to recommend, if necessary, amending the *Model Act* to include appropriate registration, training, security, and provisions that ensure public safety.
 - ii. **PASSED-with some "no's"**
- e. Task force on telepharmacy practice
 - i. NABP will examine the need for a task force to pursue the development and adoption of licensing processes that protect the public, retain board of pharmacy jurisdiction for such practices, and allow for the development of practice models that are not unnecessarily restricted
 - ii. **PASSED-unanimous**
- f. Communicating the importance of including leadership skills and professionalism in the pharmacy curriculum
 - i. NABP will communicate to the ACPE and the AACP that state boards of pharmacy are witnessing challenges in pharmacy practice that speak to the importance of leadership skills and professionalism with student pharmacists, pharmacists, and pharmacy preceptors.
 - ii. NABP will encourage ACPE and AACP to collaborate with state boards of pharmacy to ensure that the pharmacy curriculum further addresses the development of leadership skills and professionalism in student pharmacists, pharmacists and pharmacy preceptors.
 - iii. **FAILED**
 - 1. Comments:
 - a. NV: wants separate training; should not be mandated at pharmacy schools
 - b. NC: this isn't an NABP/BOP concern
 - c. OH: this is already being done
 - d. UT: wants to include techs
- g. Definition of a pharmacist-patient relationship
 - i. NABP will collaborate with appropriate stakeholders and recommend amending, if appropriate, the *Model State Pharmacy Act and Model Rules of the National Association*

of Boards of Pharmacy to include a definition of pharmacist-patient relationship for the provision of primary patient care services.

ii. FAILED-by one vote (went to written ballot)

1. IN: lawmakers want a legal definition of pharmacist-patient relationship
2. IL: not enough information at the committee to recommend passing this resolution. Thought it might be too soon.
3. OH: supports this resolution as we move further into the clinical aspects of pharmacy.

IN THE COURT OF APPEALS OF IOWA

No. 14-2164
Filed May 11, 2016

CARL ERIC OLSEN,
Plaintiff-Appellant,

vs.

IOWA BOARD OF PHARMACY,
Defendant-Appellee.

Appeal from the Iowa District Court for Polk County, Eliza Ovrom, Judge.

Carl Olsen appeals from the district court's order on judicial review of the ruling of the Iowa Board of Pharmacy. **AFFIRMED.**

Carl Eric Olsen, Des Moines, appellant pro se.

Thomas J. Miller, Attorney General, and Meghan L. Gavin, Assistant Attorney General, for appellee.

Considered by Danilson, C.J., and Vogel and Potterfield, JJ.

DANILSON, Chief Judge.

Carl Olsen appeals from the district court's order on judicial review of the November 6, 2013 ruling of the Iowa Board of Pharmacy rejecting Olsen's petition to recommend to the 2014 legislature that marijuana be removed from Schedule I of the controlled substances. See Iowa Code § 124.204(4)(m) (2013) (listing marijuana as a Schedule I hallucinogenic substance "except as otherwise provided by rules of the board for medicinal purposes"). The question presented to us is whether the Board *must* recommend the reclassification of marijuana to the legislature on a yearly basis. The district court agreed with the Board that its statutory authority provides the Board discretion to do so. We agree.

The legislature has delegated broad authority to the Board to "administer the regulatory provisions of this chapter," entitled controlled substances. Iowa Code § 124.201(1) ("The board shall administer the regulatory provisions of this chapter."). One duty specified is that "[a]nnually . . . the board shall recommend to the general assembly any deletions from, or revisions in the schedules of substances, enumerated in section 124.204, . . ., which it deems necessary or advisable."). *Id.*

On July 30, 2013, Olsen petitioned the Board to recommend marijuana be removed from the list of schedule I controlled substances. The Board considered the petition at its November meeting and voted to deny the petition. In its written decision, the Board explained:

The Board recommended the rescheduling of marijuana in 2010. The Board recognized at that time and continues to recognize that the scheduling of controlled substances is ultimately a decision for the Iowa Legislature. The General Assembly took no action on the Board's 2010 recommendation. During the 2013

session, the legislature considered but did not act upon two bills calling for the rescheduling of marijuana. On November 6, 2013, the Board concluded that it was not advisable or appropriate to recommend the rescheduling of marijuana in 2014.

Olsen sought judicial review in the district court, arguing the Board had no discretion to deny the petition. The district court wrote:

Petitioner [Olsen] focuses on the language of section 124.203(2), which states that the legislature “shall” recommend deletion of a controlled substance from Schedule I if it does not meet the criteria concerning medical use in treatment in the United States. However, this narrow reading of the statute ignores the broad language of section 124.201, which states that the Board shall annually recommend revisions to the schedules of substances “which it deems necessary or advisable.” Sections 124.201, .203, and .205 must be read to give effect to all of them. In doing so, the court concludes the legislature intended that the Board have discretion to recommend whether a controlled substance should be removed from Schedule I, or reclassified from Schedule I to Schedule II. This authority is clearly stated in subsection [124.201(1)].

A court may only reverse the agency’s ruling “[b]ased upon an irrational, illogical, or wholly unjustifiable interpretation of a provision of law whose interpretation has clearly been vested by a provision of law in the discretion of the agency.” Iowa Code § 17A.19(10)(f). Certainly the Board could reasonably conclude it was unnecessary to repeat its recommendation for reclassification that it provided in 2010 in light of the fact that the legislature gave consideration to reclassification in the 2013 legislative session. Moreover, there is no indication the Board has withdrawn its earlier recommendation. We do not find the Board’s interpretation that it has discretion to recommend or to choose not to continually recommend reclassification under section 124.401(1) to be irrational, illogical, or wholly unjustifiable. Although the Board must make annual

recommendations, section 124.201 does not require a running list of its past recommendations on an annual basis. We therefore affirm.

AFFIRMED.



IOWA APPELLATE COURTS

State of Iowa Courts

Case Number
14-2164

Case Title
Olsen v. Iowa Board of Pharmacy

Electronically signed on 2016-05-11 09:00:36

National Association of Boards of Pharmacy



Verified Pharmacy Program and e-Profile Connect

Iowa Board of Pharmacy

June 30, 2016

Presented by Bill Cover, R.Ph.

Member Relations and Government Affairs Director

National Association of Boards of Pharmacy®

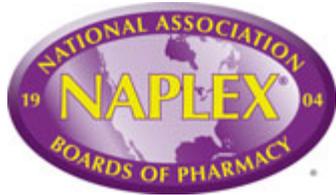
- **501(c)(3) charitable and educational organization**
 - **Founded in 1904**

- **Members are the state boards of pharmacy** for 50 states, District of Columbia, and United States territories.

- **NABP's mission is to assist member boards in public protection.**
 - License transfer program
 - Examinations
 - Accreditations

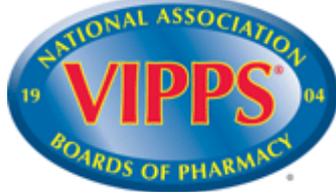


Examinations



**Eligibility
Service**

Accreditations



Assessments



**Member
Services**

**HIPDB
NABPLAW**

Licensure



**Consumer
Protection**



NABP®



Verified Pharmacy Program

State	Number of Pharmacy Interns	Number of Pharmacy Technicians	Number of Pharmacies	Practice Settings/Categories of Licensure:			Out-of-State or Nonresident Pharmacies
				Hospital/ Institutional Pharmacies	Independent Community Pharmacies	Chain Pharmacies	
Alabama	1,514	15,538	2,175	134	773	712	556
Alaska	405	1,639	136				570
Arizona	1,540	19,978 R	2,154	129	201	958	844
Arkansas	672	6,482	1,354	210			563
California	6,354	74,586	7,631	523 DD	2,804 C	3,708	453
Colorado	1,503		974				939
Connecticut	1,085	5,466	694	II	II	II	786
Delaware	150		992	14	42	176	760
District of Columbia	52		544	15	56	85	388
Florida	9,863	37,379	8,869 F	2,707	V	V	798
Georgia	4,645 D	17,797 D	4,764 D	207 D	D, P	D, P	711
Guam		93	33	2	30	1	
Hawaii	JJ		291				625
Idaho	359 I	2,286	901	62	318 A, E		521
Illinois		35,511	3,731				1,096
Indiana	1,368	13,317	1,426				769
Iowa	1,476	5,733	1,770	134 F	792 A, F	A	847
Kansas	1,196	7,452	903	174	293	293	1,950
Kentucky	2,074	12,366	2,442 X	157	579	549	663
Louisiana	1,097	6,726	1,954	171	598	649	484
Maine	674	2,721	348	CC	77	228	524
Maryland	8 †	9,231	2,022 †	104 FF	T †	T	664
Massachusetts	4,901	10,513	1,185 J		265	920	
Michigan	1,582 G		3,453 G				693
Minnesota	1,792	9,887	2,062				
Mississippi	709	5,545	893	221	350	393	650
Missouri	2,102	18,691	2,423				
Montana	301	1,737 Z	381	94	266 L		591
Nebraska	1,122	3,731	531				456
Nevada	617	5,235 O	1,502				889
New Hampshire		2,568	310	35	33	221	602
New Jersey	240	15,208	2,176				751
New Mexico	423	3,637	391 F				777
New York			6,499 G	436 Q	2,777	2,126	1,097
North Carolina		17,307	3,307 F	190	716	1,268	579
North Dakota	386	768	867	49	194	46	603
Ohio	3,198	N/A	3,384 N	363	767	4,561	1,141
Oklahoma	965	5,974	2,133	202 D	995 A	A	936
Oregon	906	7,438 S	1,516	153	570	639	393
Pennsylvania	5,155		3,429				0
Puerto Rico		3,425		1,560	1,389		
Rhode Island	575	2,147	884	21	25	200 U	413
South Carolina	1,904	10,899	1,358	141	373	715	666
South Dakota	361	1,690	312	77	75	92	718
Tennessee	JJ	18,632	2,565				404
Texas	3,680	42,267	7,915	1,194	2,490	3,128	818
Utah	833	4,835	1,830				574
Vermont	289	1,466	150	17	67	89	552
Virginia	2,013	14,686	1,823				639
Washington	1,416	9,035	1,457	117	1,340 A		712
West Virginia	1,059	6,747	1,189 J				599
Wisconsin			3,972				
Wyoming	194	683	152 F	34			796
TOTALS	72,758	499,052	106,157	9,647	19,255	21,757	32,560

* Information provided directly from the boards of pharmacy. Blanks indicate that information is not available.



NABP[®]

Verified Pharmacy Program



- The Verified Pharmacy Program (VPP) was developed to fill the gaps in the nonresident pharmacy system and provide states complete information needed to make licensing decisions
- Extrapolate the successes of the Electronic Licensure Transfer Program[®] for pharmacists and apply it to facilities that want to operate in multiple states
- Create an NABP e-Profile for each pharmacy and link to e-Profiles for key pharmacy personnel
- Create an inspection clearinghouse to facilitate the sharing of inspection reports/results



VPP – A Unified Resource for States

- Verify pharmacy licenses (resident/non-resident)
- Verify pharmacist-in-charge (PIC) licenses (resident/non-resident)
- Verify that a qualified inspection has occurred, either by the resident state in accordance with the established uniform standards, or by NABP
 - Future vision set by a “governance committee”
- Report any disciplinary action by another state
- Perform inspection if required
- All information will be packaged through VPP
 - accessible on Board e-Profile Connect interface



NABP®



Program Categories

➤ Category 1:

- Retail/Community only

➤ Category 2:

- Retail/Community facility performing any non-sterile compounding (*other than mixing, diluting according to manufacturer's instructions*)
- Mail Order (*not performing sterile compounding*)

➤ Category 3:

- Facility performs any sterile compounding (*regardless of pharmacy type*)
- Facility performs both non-sterile and sterile compounding (*regardless of pharmacy type*)





Program Categories

➤ **Category 3- (*continued*):**

- Hospital/Institutional
- Hospice Only (business is exclusively hospice patients)
- Long-Term Care
- Correctional

➤ **Category 3B and Category 4:**

- Texas Class E-S Non-resident Pharmacy (*These categories apply to pharmacies specifically seeking a nonresident sterile compounding pharmacy license from the Texas State Board of Pharmacy (Class E-S)) and include a mandatory sampling component and deposit.*





Inspection Process

- **Unannounced visit by a qualified Inspector**
 - All VPP inspectors are licensed pharmacists

- **Time allocated depends on the type of inspection**
 - Sterile compounding - typically about 8 hours
 - Non-compounding community pharmacy typically 3-4 hours

- **Work through inspection form**
 - Specific modules based on type such as sterile, non-sterile compounding, and nuclear pharmacy modules





Inspection Process

➤ What occurs after an inspection is completed

- Inspection report generated by inspector
- Quality assurance review by another inspector
- Inspection report sent to Pharmacy with request for response to any noted deficiencies/issues
- Inspection report released to boards of pharmacy through NABP portal and notification sent via email
- Communicate response from pharmacy when received through NABP portal
- Second inspection required?



VPP Utilization by States



- Required by Virginia for non-resident sterile compounding pharmacies, when the resident state inspection could not show compliance with USP Chapter <797>
- 48 states are utilizing VPP in some manner
- Over 300 inspections; more than 150 sterile compounding





NABP Inspection Blueprint

What Is an Inspection Blueprint?

- Analogous to NAPLEX® and MPJE® Competency Statements which provide a blueprint of topics covered on the examination
- Minimum set of agreed upon areas/items that boards believe should be addressed at the time of inspection
- 42 states represented at initial Inspection Blueprint workshop
- Universal Inspection Form
 - 7 states reviewing for implementation

NABP E-PROFILE 



e-Profile Connect



NABP e-Profile Connect



What is it?

NABP E-PROFILE 

- A Unique Identifier assigned to licensed or registered Individuals and Facilities
- Links licensees to all NABP Programs and collected state pharmacy board's data
- e-Profile Hub
 - Securely stores valuable licensure information which is readily available to boards of pharmacy when rendering licensing decisions

“I thought that was only for CPE Monitor??”



NABP®

NABP e-Profile Connect

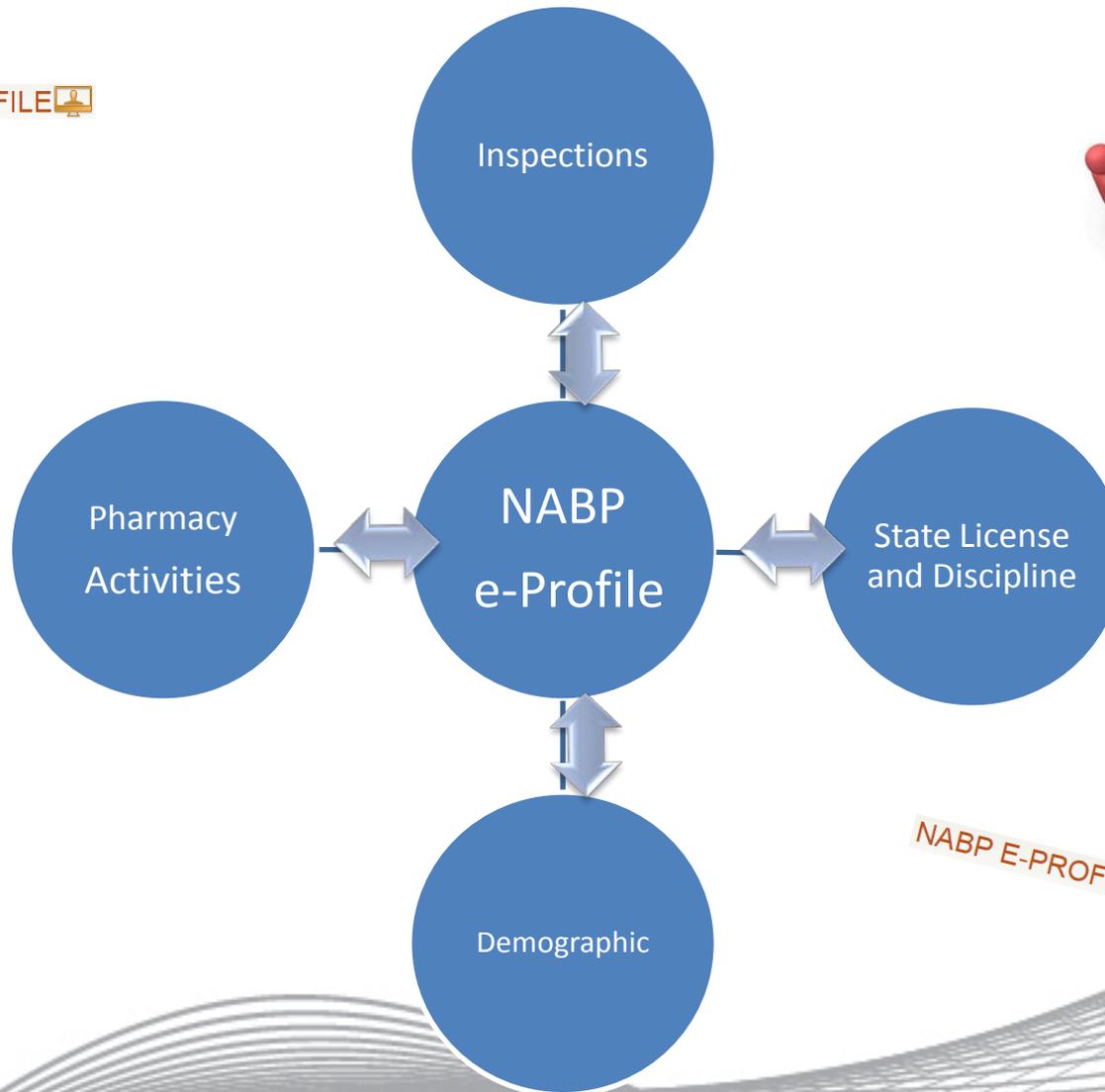
Why do we need it?

- Streamlines licensure processes
- Reduces administrative burden for board staff
- Decreases turn around time on applications
- Staff able to be tasked to most critical needs
- Enhances board member ability to make informed objective licensing decisions



NABP e-Profile Connect Facilities

NABP E-PROFILE 



NABP E-PROFILE 

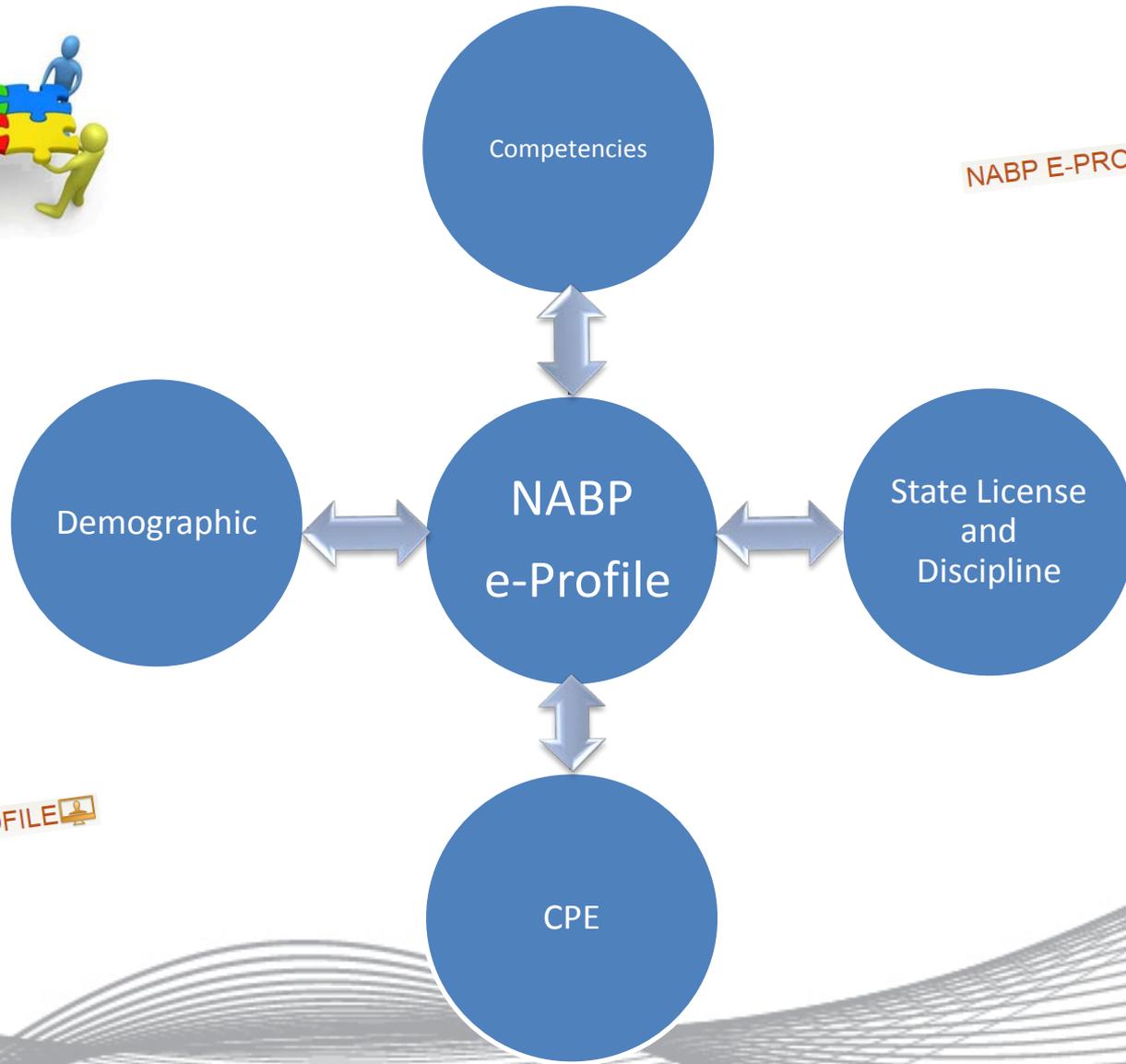


NABP®

NABP e-Profile Connect Pharmacists and Technicians



NABP E-PROFILE 



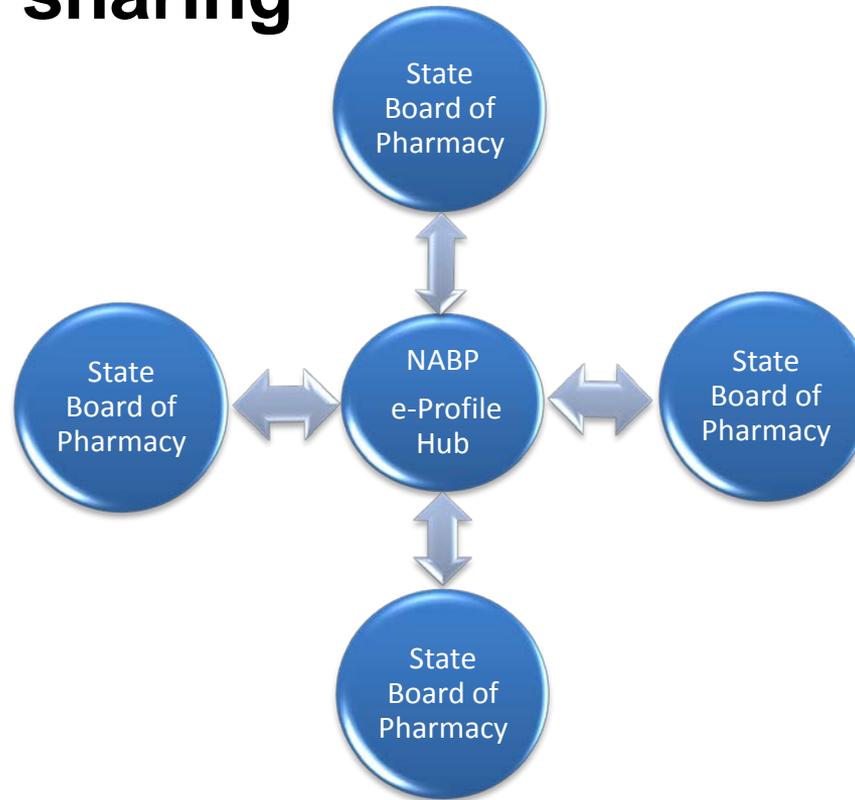
NABP E-PROFILE 



NABP®

State to State

- **Increases speed and efficiency- State to state data sharing**



NABP E-PROFILE 



NABP®

Implementing the NABP e-Profile ID

- Require the NABP e-profile on initial and renewal licensure applications for pharmacist and technicians 
- Sync board data to NABP data utilizing the e-Profile Identifier 
- Future
 - Real-time data exchange

Questions?



NABP®

IOWA PHARMACY TECHNICIAN EDUCATION

DEVELOPMENT OF AN ACCREDITED EDUCATION PROGRAM IN IOWA

Maureen D. Donovan, Ph.D.

Associate Dean for Undergraduate Education, Office of the Dean

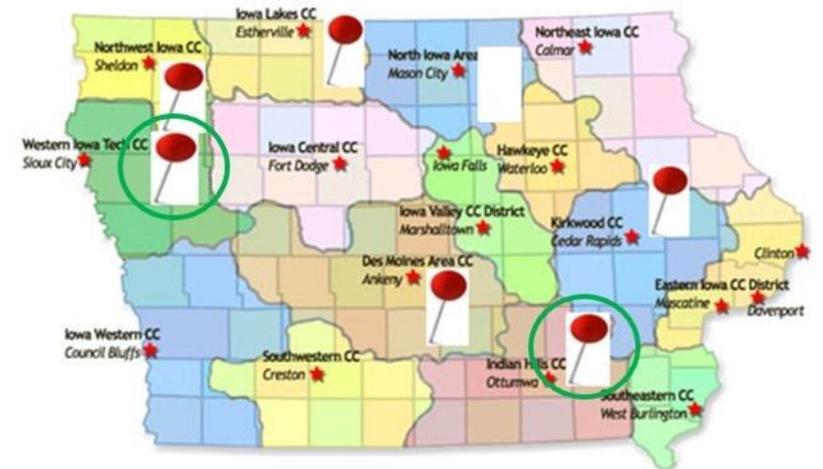
Professor, Department of Pharmaceutical Sciences & Experimental Therapeutics / Division of Pharmaceutics & Translational Therapeutics

The University of Iowa College of Pharmacy

Proposing a Unified Pharmacy Technician Education Program for Iowa

Iowa Pharmacy Technician Education Summit (February, 2015)

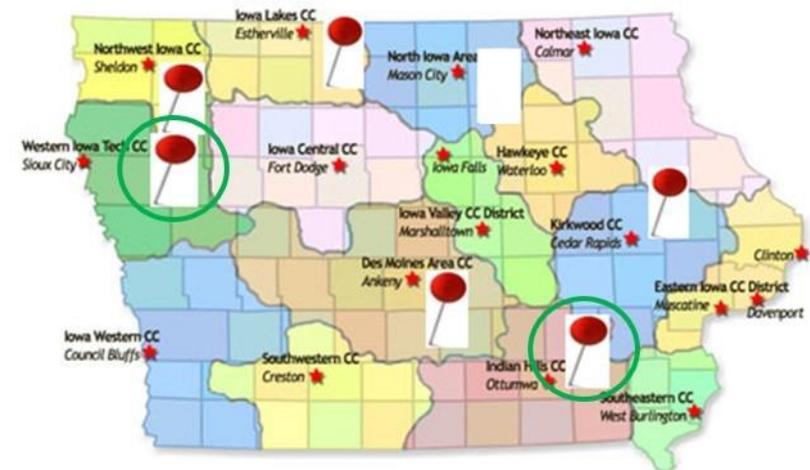
- Raised awareness of the need for accredited pharmacy technician education programs in Iowa
- Introduced the providers of pharmacy technician education in Iowa to one another and agreed to continue discussions about an accreditation-ready curriculum
- Formed Task Force to continue planning efforts



Proposing a Unified Pharmacy Technician Education Program for Iowa

Iowa Pharmacy Technician Curriculum Task Force

- Identified similarities among current pharmacy technician education programs
- Identified curricular gaps needing content development prior to accreditation
- Developed working groups to address initial coordination activities
- Identified programs willing to participate in Initial Program Pilot Group
 - Indian Hills Community College
 - Western Iowa Tech Community College
- Met with Iowa Department of Education about State requirements for a unified program



Overview ASHP/ACPE Accreditation Requirements for Educational Programs

- Minimum 600 clock hours of health-related education and training over 15+ weeks
 - Didactic = 160 hours ⇨ 6/6 Current Iowa Community College Programs > 160 hours*
 - Simulation = 80 hours ⇨ 0/6 Current Iowa Community College Programs Meet Requirement*
 - Experiential = 160 hours ⇨ 0/6 Current Iowa Community College Programs Meet Requirement*
 - Remaining 200 hours distributed among didactic, simulation, and experiential education as determined by the program director and faculty
- Single area pharmacy practice experience (new 2016)
- Simulation component must occur before experiential component and after didactic component in sequential instruction
- Student achievement should be assessed during all three components (observation, simulation, and experiential)

Source: ASHP/ACPE Accreditation Standards for Pharmacy Technician Education and Training Programs
<http://www.ashp.org/menu/Technicians/Technician-Accreditation/Accreditation-Standards-for-Pharmacy-Technician-Education.aspx>

*No data available for DMACC's 2016-17 program. Current program values exclude high school academies.

Building a Connected Statewide Program



Certification Eligibility Requirements

Pharmacy Technician Certification Board (PTCB)

Pharmacy Technician Certification Exam (PTCE)

- High school diploma or equivalent educational diploma (e.g., a GED or foreign diploma)
- Full disclosure of all criminal and State Board of Pharmacy registration or licensure actions
- Compliance with all applicable PTCB Certification policies
- *Complete an ASHP/ACPE-accredited pharmacy technician education program (effective 2020)*
- Passing score on the Pharmacy Technician Certification Exam (PTCE)

Sources: Pharmacy Technician Certification Board (PTCB)

<http://www.ptcb.org/get-certified/apply#.VxUKVk0UW73>

ASHP/ACPE Accreditation Standards for Pharmacy Technician Education and Training Programs:

<http://www.ashp.org/menu/Technicians/Technician-Accreditation/Accreditation-Standards-for-Pharmacy-Technician-Education.aspx>

Certification Eligibility Requirements

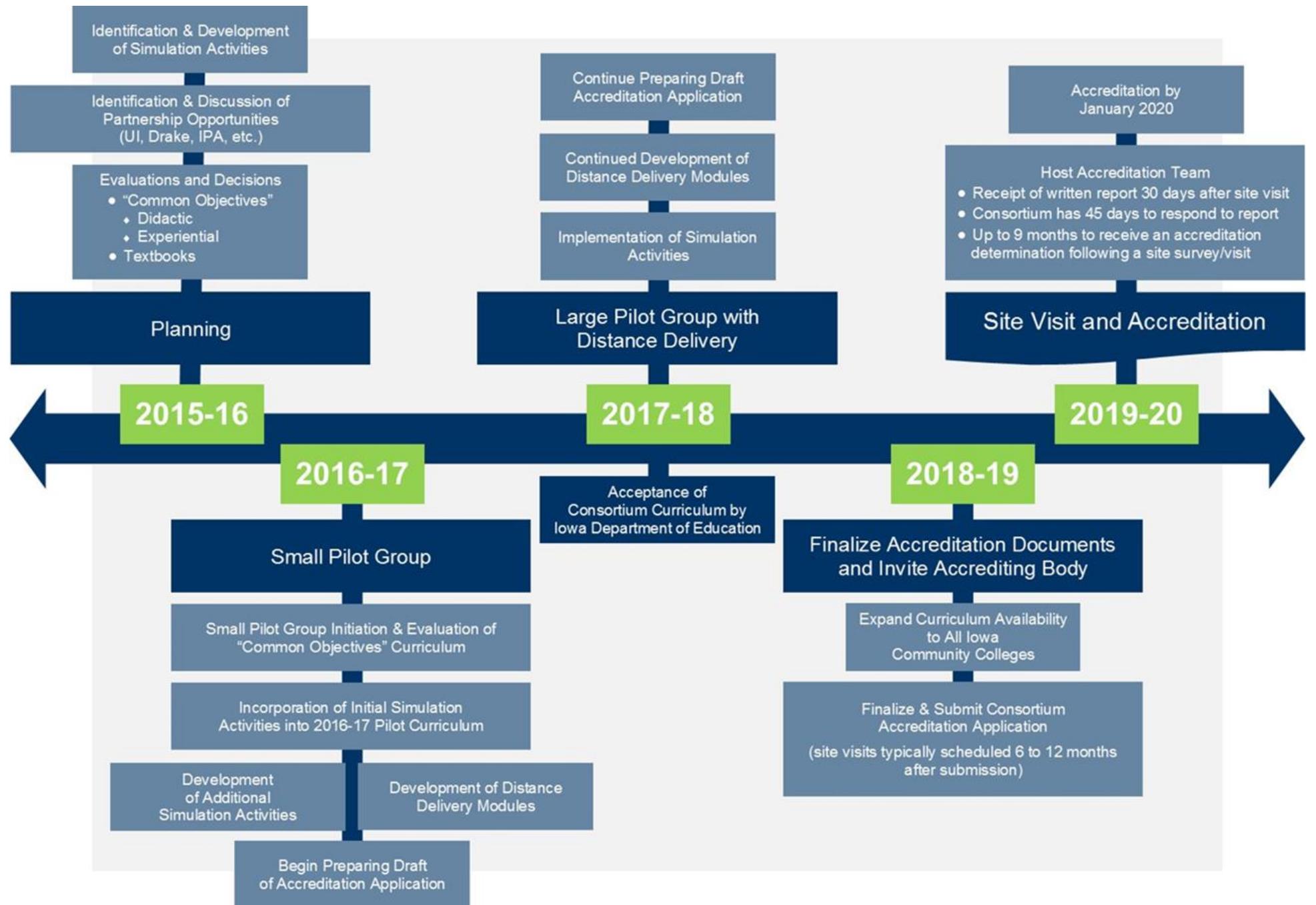
National Healthcareer Association (NHA)

ExCPT Pharmacy Technician Exam

- High school diploma or equivalent
(GED, state equivalency test, or other diploma and official transcript evaluated by American Association of Collegiate Registrars and Admissions Officers)
- Successfully complete a training program or have relevant work experience:
 - Training Program
 - ❖ Successfully complete a pharmacy technician training program offered by an accredited or state-recognized institution or provider; or
 - ❖ Successfully complete an employer-based training program recognized by the Board of Pharmacy of that state and training has been verified by the candidate's employer.
 - Work Experience - Candidates must have completed at least 1200 hours of supervised pharmacy related work experience within any one (1) year of the past three (3) years.
- Successfully pass the ExCPT Pharmacy Technician Exam

Source: National Healthcareer Association (NHA)
<http://www.nhanow.com/help-center/faq/#faq-cat-1-q1>

Timeline





IPRN 2016 Spring Committee Meeting

BOP Update Re: Program Transition, July 1, 2016

Q/A

Q: Why has the Board of Pharmacy (BOP) decided to discontinue contracting with IPRN for the administration of its recovery program?

A: Several years ago, IPRN participants petitioned the BOP on an informal basis to have certain information removed from public disciplinary documents. Unfortunately, it's not possible to "un-ring the bell" for these individuals. However, for future cases, it is possible to create an alternative means for monitoring professionals in recovery rather than through public disciplinary measures. Rather than relying on the services of a third-party to administer this confidential program, the BOP decided to move the administration of the program in-house.

Q: Will the program continue to be called IPRN?

A: No. IPRN is a trademark of the Iowa Pharmacy Association. As such, the BOP is not authorized to utilize the IPRN name.

Q: Since the program cannot be called IPRN, what will it be called?

A: The Iowa Monitoring Program for Pharmacy Professionals, or, IMP3.

Q: What will happen to the current participants of IPRN?

A: This program is specifically designed to be a confidential, non-disciplinary route to monitor pharmacy professionals with impairment. Current participants of IPRN who are actively being monitored by Board-ordered discipline (probation) will not be required to transition to IMP3. BOP probationary terms will be amended as necessary to lift the requirement that individuals participate in IPRN.

Q: How will the Board be managing the program?

A: The Board will be working collaboratively with the Board of Medicine (BOM) to manage the program. Amy VanMaanen, Executive Officer with the Board of Medicine, will be the primary contact person for individuals self-reporting by phone. Professionals will also be able to self-report through license renewal applications. Board staff will screen these applications and pass the self-reports over to the BOM. Amy VanMaanen will reach out to the self-reports for initial contract execution and evaluation to determine if the professional qualifies to participate in the program. It is our intent to also develop a website that would permit confidential online reporting. Once the individual is accepted into the program, case-management will be primarily handled by Debbie Jorgenson, with the Board of Medicine serving as a consulting resource, as necessary.

Q: Why is the Board of Medicine involved?

A: Statute requires the sharing of resources whenever possible. This includes staffing resources. As such, the initial program participation does not support the addition of Board staff. As the program grows, additional staffing may be required.

Q: What happens to the advocates?

A: Rules currently dictate that program participants meet with a program advocate or monitor. However, the self-reporting participant will not be assigned to an advocate. Rather, the participant will select their own advocate, who

will ideally be someone they come in contact with on a daily basis, such as a coworker, so long as the participant does not supervise the advocate.

Q: Who will serve on the committee and how often will it meet?

A: The committee will be comprised of the following: a licensed pharmacist, a representative from Drake University College of Pharmacy and Health Sciences, a representative from the University of Iowa College of Pharmacy, a professional specializing in recovery, and the Executive Director (or Director's designee) of the Board. Initially, the following individuals will be serving on the committee: Renae Chestnut, Jeff Reist, Bruce Alexander, Amanda Latta, Andrew Funk, and Deana Schuplin. We are in the process of recruiting a psychiatrist to serve on the committee as well. The committee will initially plan to meet on a biannual basis. More frequent meetings may be necessary.

Q: What role does the committee serve?

A: The purpose of the committee is to evaluate, assist, and monitor the recovery or rehabilitation of pharmacy professionals whose alcohol or chemical dependency or mental or physical disability is potentially threatening to the individual, to the safety of the public or to the performance of the individual's duties. The committee will review participants' requests, contracts, and recommendations from staff. Additionally, the committee and/or staff will interview the participants on an annual basis.

Q: Will committee meetings be open to the public?

A: Committee meetings are subject to open-meetings laws and will be conducted in the same fashion that the Board currently operates its own meetings. However, due to the confidential nature of the material being discussed, the meetings will be held nearly exclusively in closed-session. The Board has solicited the assistance of Assistant Attorney General, Sara Scott, to participate in the committee meetings to ensure they are run in accordance with the law.

Q: Will the Board continue to fund grants to Drake and the University of Iowa?

A: No. The Board may not utilize public funds that it collects from its licensees and registrants to fund grants.

Q: Will monthly IPRN client meetings continue?

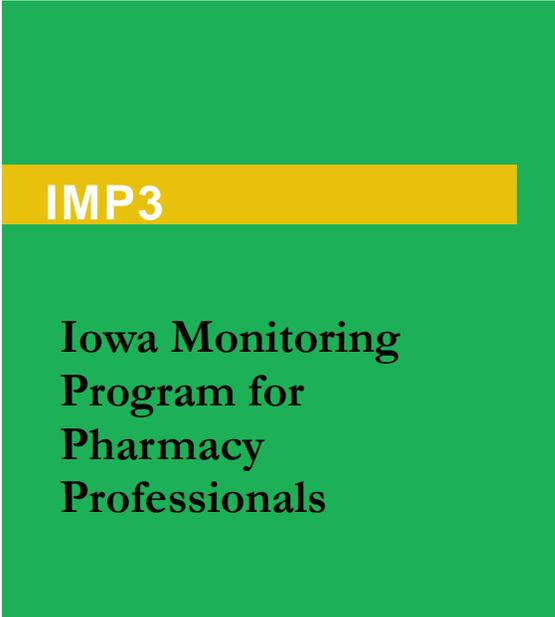
A: Sure. There's no reason why these meetings cannot continue. However, the Board is limited by Iowa Code 155a.39(10) on what they can and cannot fund in regards to this program. Specifically, the Board may not utilize its financial resources to pay for costs incurred for a participant's initial evaluation, referral services, treatment or rehabilitation subsequent to intervention. It has been determined that these monthly meetings are considered treatment/rehabilitation subsequent to intervention and therefore cannot be funded by the Board. Therefore, if participants desire to attend monthly IPRN meetings, they certainly have the freedom to do so.

Q: How will the Board staff handle mandatory reports from third-parties? For example, a pharmacist is caught diverting a controlled substance and is fired. The pharmacy is required to report this to the Board. What happens?

A: Each report is unique and will be handled on a case-by-case basis. The Board will provide Board staff with direction on which cases should be referred to IMP3 for an initial contract and evaluation, or if the report necessitates an investigation by the Board's compliance staff. Additionally, the Board may, after reviewing a complaint investigation, determine that the subject of the complaint and the public would be best served by a referral to IMP3, rather than issuing a statement of charges.

About IMP3

The IMP3 was established in 2016 to monitor and support pharmacists, pharmacist-interns, and technicians who report problems with mental health, physical disabilities or drug and alcohol abuse or dependence. It is administered by the Iowa Monitoring Program for Pharmacy Professionals Committee. Staff members of the Iowa Board of Pharmacy manage the program, in cooperation with staff from the Iowa Board of Medicine, within parameters established by 657 Iowa Administrative Code Chapter 30.

The logo for IMP3 consists of a large green rectangle. A horizontal yellow bar is positioned near the top of the green rectangle. The text 'IMP3' is written in white, bold, sans-serif font on the yellow bar.

IMP3

**Iowa Monitoring
Program for
Pharmacy
Professionals**

Assisting pharmacy professionals in obtaining necessary help for a successful rehabilitation from substance abuse as well as mental and physical disabilities

A decorative graphic consisting of a yellow horizontal bar at the top and a larger green rectangle below it, matching the colors of the IMP3 logo.

Tel: 515 281-6006

Welcome to the IMP3

The Iowa Monitoring Program for Pharmacy Professionals (IMP3) believes pharmacy professionals' professional skills and reputation do not have to be damaged as a result of impairment if monitoring and supportive services are put in place at an early state. IMP3 is designed to assist pharmacists, pharmacist interns and pharmacy technicians in obtaining the necessary help for a successful rehabilitation from substance abuse as well as mental and physical impairment.

Self-report

Pharmacy professionals who suspect they are at risk of being unable to practice with reasonable skill and safety due to impairment have the right (and obligation) to ask for help when they need it. By failing to do so, they put themselves and their patients at risk. By self-reporting, the reporter may avoid possible disciplinary action

by the Board. A self-report includes those situations where the professional reports diversion or misappropriation of a prescription drug or device for the individual's personal use without proper medical authorization.

What happens when a pharmacy professional self-reports?

Once an individual contacts the IMP3 about a possible impairment issue, the IMP3 will gather information about the individual's situation. This may result in referral for further evaluation and treatment, if indicated. The IMP3 then determines whether or not the pharmacy professional would benefit from ongoing support and monitoring. If so, an individualized contract is developed that includes safeguards that are designed to protect the public while allowing the individual to continue/return to practice with reasonable skill and safety. It is the IMP3's hope that the majority of the participants in the IMP3 are actively practicing pharmacy.

Who has access to information contained in IMP3 files?

State law mandates that information about IMP3 participants be kept confidential as long as participants are in compliance with program requirements. This means information about a participant will not become a matter of public record, i.e., be reported to the Board, the National Practitioner Data Bank, or the news media. The IMP3 only provides information about participants to the Board when they are not in compliance with the terms of their agreements or contracts.

IMP3

400 SW 8th Street, Suite C

Des Moines, IA 50309-4688

Phone: 515.281.6006

Fax: 515.242.0155

amy.vanmaanen@iowa.gov

IMP3 FY 2017 Budget

Equipment/Technology	Quantity	Cost (ea)	Total	Actual
iPads	8	500	4000	
Board Paq Subscriptions	8	120	960	
			4960	
Committee Expenses				
Committee Pay (3 Meetings)	24	54	1296	
Mileage Reimbursement	3000	0.39	1170	
Meal Reimbursement	24	35	840	
Hotel Reimbursement	9	100	900	
			4206	
Office Staff Time Estimates				
Amy V. @ 20%			14000	
Debbie @ 20%			13000	Time is a redistribution of resources. Not an actual cost, but included in budget.
Andrew @ 5%			5250	
Cassie @ 1%			200	
COs @ 0.5%			3500	
			35950	
Marketing				
Quarterly Ads IPA	4	300	1200	
Exhibit at IPA Expo	1	900	900	
Exhibit at IPA Annual Meeting	1	900	900	
College Outreach/Education	2	1500	3000	
Pens	5000	0.41	2050	
Note Pads	1000	0.45	450	
Pamphlets Color (IPI)	5000	0.23	1150	
Mouse Pads	500	5.5	2750	
IMP3 Goes Local	8	2525	20200	
			32600	
APhA Institute				
Registration	2	500	1000	
Hotel	10	125	1250	
Airfare	2	500	1000	
Meals	10	50	500	
Transportation	2	50	100	
			3850	
Total Cost, Including Time Redistribution			81566	
Total Cost, Excluding Time Redistribution			59616	



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

- 1. Request Motion to Approve 3-year Term to the IMP3 Committee**
 - a. Amanda Latta, Licensed Pharmacist

Amanda L. Latta

1053 Secrist Road D Springville, Iowa D 52336
(319)551-3781 D pharmdlatta@gmail.com

EDUCATION

University of Iowa College of Pharmacy, Iowa City, IA; Pre-Pharmacy	1996
Professional Compounding Centers of America, Houston, TX; Introductory Compounding Boot Camp	1998
University of Iowa College of Pharmacy, Pharm.D.	2002

PROFESSIONAL EXPERIENCE

Iowa Pharmacy Recovery Network	2014-2016
Advocate	2014-2015
Monitor	2015-2016
Stay At Home Mother	2011-2015
Walgreens, Inc.	1998-2011
Student-Pharmacist Intern	1998-2002
Staff Pharmacist	2002
Pharmacy Manager	2003-2005
Patient Care Center Manager	2005
Pharmacy Manager	2006-2007
Staff Pharmacist	2007-2011

EDUCATIONAL APPOINTMENTS

Drake University, College of Pharmacy and Health Sciences Des Moines, IA; Adjunct Faculty	2005
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SPECIAL APPOINTMENTS

Whirlpool Corporation, Amana, IA; Health and Wellness Pharmacist	2010-2011
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LICENSE/CERTIFICATIONS

Registered Pharmacist, State of Iowa	#19669
Pharmaceutical Care for Patients with Diabetes: A Certificate Program American Pharmacist Association Annual Meeting	2005
Immunization Administration Certificate Iowa Pharmacy Association, Des Moines, IA	2005

PROFESSIONAL ACTIVITIES

Taking Control of Your Diabetes, Des Moines, IA; Consulting Pharmacist	2005
American Pharmacists Association Institute on Alcoholism and Drug Dependencies; Attendee	2015-2016
Heartland Pharmacy Recovery Network Conference; Agenda/Presenter Development Committee	2016
University of Iowa Student Chapter Pharmacy Recovery Network/Student National Pharmaceutical Association; Speaker	2016
CEI: Be an Advocate for Pharmacy Professionals in Recovery Webinar; Presenter	2016

PROFESSIONAL ORGANIZATIONS

Iowa Pharmacy Association	2005-2006; 2015-2016
Legislative Day	2016
Alternate Delegate	2016
American Pharmacists Association	2015-2016
Special Interest Group – Pain, Palliative Care and Addiction	
Iowa Pharmacy Recovery Network, Volunteer Advocate	2015

SERVICE ACTIVITIES

St. John the Baptist Catholic Church, Mount Vernon, IA	
Women of Faith	2012, 2015
Second Grade Table Leader	2015-2016
Small Group Faith Sharing	2016
Minister of Hospitality	2016
Washington Elementary, Mount Vernon, IA	
Parent Volunteer	2013-2016
Girl Scouts of America, Troop #5491, Mount Vernon, IA	
Troop Co-Leader	2014-2016

And he well knows that his own life has been made richer, as an extra dividend of giving to another without any demand for a return.

— AS BILL SEES IT, p. 69





Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

- a. Andrew Funk-Executive Director, Iowa Board of Pharmacy
 - i. Andrew's service will satisfy the requirements of IAC 657-30.3(5), (6)



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

- a. Bruce Alexander, Licensed Pharmacist
 - i. Bruce's service will satisfy the requirements of IAC 657-30.3(1)

Curriculum Vitae

Bruce Alexander

Address

Home

1160 Kyle Dr NE
Iowa City, Iowa 52240
Phone: 319-321-6395

Work

Contract Data Manager
Research Service (152)
Iowa City VA Health Care System
601 Highway 6 West
Iowa City, Iowa 52246
Phone/Voice mail: 319-338-0581 ext 97552
E-mail: bruce.alexander@va.gov

Education

1. Drake University, College of Pharmacy, Des Moines, Iowa, 1969-1974, Bachelor of Science degree received May 1974.
2. University of Minnesota, College of Pharmacy, Minneapolis, Minnesota, 1974-1976, Doctor of Pharmacy degree received June 1976.

Professional Training

1. Teaching Assistant, Pharmaceutics, September 1973 to May 1974 (part-time), College of Pharmacy, Drake University.
2. Teaching Assistant, Pharmaceutics, September 1974 to May 1975 (part-time), College of Pharmacy, University of Minnesota.
3. Teaching Assistant, Department of Social and Administrative Pharmacy, June to August 1975 (part-time), College of Pharmacy, University of Minnesota.
3. Staff Pharmacist, Drug Information Center, June to August 1975 (part-time), University of Minnesota Hospitals, Minneapolis.

Pharmacists License

State of Iowa, July 1974 to present. License No. 14358

Board Certification

Board Certified in Psychiatric Pharmacy (BCPP) by Board of Pharmaceutical Specialties, 1998 - 2003

Board Certified in Psychiatric Pharmacy (BCPP) by Board of Pharmaceutical Specialties, Re-Certification 2004 – 2011 (Retired from clinical practice)

Positions

1. Clinical Pharmacist: Department of Pharmacy and Psychiatry, Iowa City Veterans Administration Medical Center, Iowa City, Iowa, July 1976 to August 2008. Served as clinical pharmacist to acute care psychiatric inpatient and outpatient services. Responsibilities include clinical monitoring, below-described teaching activities, and weekly psychopharmacology presentations for residents and staff.
2. VISN 23 Mental Health Pharmacoepidemiologist – August 2008 to November 2011. Responsibilities included mental health pharmacoepidemiology assessment of psychotropic prescribing.

CURRICULUM VITAE

Bruce Alexander

page 2

3. Associate Chief of Pharmacy-Clinical, Pharmacy Service, Iowa City VA Health Care System – December 2011 to November 2013. Responsibilities include supervisor of clinical pharmacy specialist and health technicians as well as therapeutic and economic data management (Retired).
4. Data Manager, Center for Comprehensive Access & Delivery and Evaluation (CADRE) and Veterans Rural Health Resources Center-Central Region, Iowa City VA Health Care System – November 2013 to present.

Veterans Health Administration

Committees – Iowa City Veterans Affairs Medical Center

1. Secretary, Pharmacy and Therapeutics Committee, 1991 to 1996.
2. Coordinator, Clozapine Treatment Team, 1991 to 2008.
3. Member, Ancillary Drug Testing Committee, 1991 to 1993.
4. Member, Quality Improvement Committee, 1991 to 1999.
5. Member, Drug Utilization Evaluation Committee, 1989 to 1999.
6. Member, Pharmacy Standards Board, 1993 to 2008.
7. Member, Drug/Food Interaction Task Force, 1996.
8. Member, Medication Misadventures Committee, 1996.
9. Chair, Medication Misadventures Committee, 1997.
10. Secretary, Medication Misadventures Committee, 1996.
11. Member, Pharmacist Recruitment Committee, 1997.
12. Chair, Pharmacist Career Ladders Committee, 1997 to 1999.
13. Chair, Ambulatory Care Clinical Pharmacist Specialist Recruitment Committee, 1999.
14. Coordinator, National Formulary Contract Conversion Projects, 1999 - 2000.
15. Member, VISN23 Mental Health Service Line (Pharmacy Representative), 2000 to 2008.
16. Chair, VISN23 Mental Health Service Line Pharmacy Subgroup, 2000 to 2008
17. Member, VISN23 Pharmacy Standards Board, 2003 to 2007
18. Chair, Pharmacist Intervention Review Committee, 2003 to 2008
19. Member, Mental Health Survey Team, Quincy Illinois Veterans Home, 2006
20. Member, Patient-Aligned Care Team Steering Committee, 2011 to present

VISN 23 Committee

1. Member, DSS Analysts, 2011 to present
2. Member, Pharmacoeconomics, 2011 to present

Regional Committees

1. Member, Region II OI&T Technical Board, 2011 to present

National Committees

1. Member, National Drug File (NDF) Group 2000 to present
2. VA Pharmacy Representative, Veterans Administration/Department of Defense Posttraumatic Stress Disorder Clinical Practice Guidelines, 2003.
3. Member, VA Office of Mental Health Services and VA Pharmacy Benefits Management Antipsychotic Academic Detailing Board, 2009 to present
4. Member, VA National PTSD Mentoring Group, 2009 to present
5. Member, VA Pharmacy Benefits Management National Formulary Antipsychotic Work Group, 2011
6. Member, Office of Mental Health Services, Pharmacotherapy Field Advisory Committee, 2012
7. Member, VA QUERI RISOME Steering Committee, 2014

CURRICULUM VITAE

Bruce Alexander

page 3

Software Development

1. Developer, Coordinator, and Database Support, Pharmacist Intervention Program, 1987 to 2008 (Paradox®).
2. Adverse Drug Reaction Tracking Program, 1989 to 1999 (Paradox®).
3. Quad Cities Outpatient Clinic Prescription Labeling Program, 1992 to 2001 (Paradox®).
4. Laboratory Chemical Tracking System, 2002 to present (Microsoft Access®).
5. Laboratory Chemical Tracking System, 2003 to present (Microsoft Access®).
6. VA PBM Pravastatin to Fluvastatin Conversion DUE, 2004 (Microsoft Access®)

Academic Appointments (Part-time)

College of Pharmacy, The University of Iowa

1. Assistant Professor (Clinical), July 1976 to April 1985.
2. Associate Professor (Clinical), July 1987 to July 1997.
3. Professor (Clinical), The University of Iowa, July 1997 to July 2005
4. Emeritus Professor (Clinical), The University of Iowa, July 2005 to present

College of Medicine, Department of Psychiatry, The University of Iowa

1. Associate Professor (Clinical), July 1990 to July 1997
2. Professor (Clinical), July 1997 to July 2008
3. Emeritus Professor (Clinical), July 2008 to present.

College of Nursing, The University of Iowa

Associate Professor (Adjunct), July 1985 to July 1998.

Academic Responsibility

College of Pharmacy

Doctor of Pharmacy

1. Clinical Pharmacy: 046:184 (Psychotherapeutics), 1976 to 1995. A 4-week didactic/clinical course covering psychopathology and psychopharmacology. The course is taught 4 times per academic year.
2. Therapeutics 046:110, 1991 to 1997. Team-taught course. Three hours of lecture and 3 hours of discussion group each year.
3. Therapeutics 046:111, 1976 to 1990. Team-taught course. Two hours of lecture and 3 hours of discussion group each year.
5. Pharmacy Orientation 046:14. 1991 to 1993. Team-taught course. Discussion with approximately 5 groups of 4 second-year pharmacy students.
6. Therapeutics 046:165, 1997 to 1998. Team-taught course. Seven hours of lecture and 2 hours of discussion group each year.
7. Clinical Investigation 46:175, 1987 to 1991 (one student/year. Course was discontinued in 1991).
8. Psychiatry Clerkship 46:184, 1983 to 2003. Five week inpatient psychiatry clinical rotation. Eight students/year.
9. Advanced Therapeutics, 1982 to 1997. Team-taught course to first-year Doctor of Pharmacy students. Six hours of lecture each year.
 - a. 46:165
 - b. 46:171

CURRICULUM VITAE

Bruce Alexander

page 4

- c. 46:172
- d. 46:176
10. Psychiatry Clinical Research 46:199 (Elective)
 - a. 1998 Nancy Clark
 - b. 2000 Eric Kutscher
 - c. 2001 Jennifer Hoy
 - d. 2003 Jeff Bishop
 - e. 2004 Josh Ruzinak
 - f. 2004 Jennifer Pusateri
 - g. 2004 Molly Kurpius
11. Pharmacotherapy of Neuropsychiatric Disorders 46:153, 1998, 1999, 2000, 2001, 2002, 2003. Team-taught course to 4th professional year pharmacy students. 7.5 hours of lecture per year.
12. Pharmacotherapy of Neuropsychiatric Disorders 46:164, 2004, 2005. Team-taught course to 4th professional year pharmacy students. 4 hours of lecture per year.
13. Advanced Psychopharmacotherapeutics I 46:203, 2002, 2003, 2004. Team taught course. 5 hours of lecture per year.
14. Advanced Psychopharmacotherapeutics II 46:204, 2002, 2003, 2004. Team taught course. 4 hours of lecture per year.
15. Pharmacy Honors Seminar 46:102, 2002, 2003. Team-taught course to 1st - 4th professional year pharmacy students. 1 hour of discussion.
16. Dean's Forum 46:005, 2003. Team taught course to 1st - 2nd professional year pharmacy students. 1 hour.
17. Introductory Pharmacy Experiences III 46:003, 2003. 3rd professional year pharmacy students. 1 student for 9 hours.
18. Substance Abuse 46:121, 2003, 2004. Team taught elective. 4 lecture hours per year.
19. Introductory Pharmacy Experiences III 46:003, 2004. 3rd professional year pharmacy students. 2 students for 9 hours.

Course Coordination

1. Pharmacotherapy of Neuropsychiatric Disorders (10 week module) 46:153, 2000
2. Pharmacotherapy of Neuropsychiatric Disorders (10 week module) 46:153, 2001
3. Pharmacotherapy of Neuropsychiatric Disorders (10 week module) 46:164, 2002
4. Pharmacotherapy of Neuropsychiatric Disorders (10 week module – 102 students) 46:164, 2004
5. Pharmacotherapy of Neuropsychiatric Disorders (10 week module – 103 students) 46:164, 2005

Committees

1. Doctor of Pharmacy Program Review Committee, Committee Member, 1986.
2. Internal Medicine/Clinical Pharmacology Faculty Search Committee Member, 1993.
3. Clinical Administrative Pharmacy Division Academic Council Member, 1997 to 2001.
4. Faculty Promotion Committee, 1997, 1998, 1999, 2000, 2001, 2002.
5. Addiction Technology Transfer Center, Board Member, 1998 to 2000 (University-wide)
6. Team Leader, Pharmacy Practice Group, Clinical and Administrative Pharmacy Division's Planning Group, 1998.
7. Member, Clinical and Administrative Pharmacy Division's Academic Council, 1997-1998.
8. Member, Clinical and Administrative Pharmacy Division's Professional Practice Committee, 1999
9. Member, Clinical Track Promotion Committee, 1999, 2000, 2001, 2002.
10. Member, Clinical and Administrative Pharmacy Division Consulting Group, 1999 to 2001.
11. Member, Curriculum Committee, 2001 to 2005
12. Member, Pharmacotherapy Module Coordinator Group, 2000, 2001, 2002, 2003, 2004, 2005

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13. Member, Annual Faculty Review Group, 2002.
14. Chair, Joint VA/University of Iowa College of Pharmacy VA Inpatient Faculty Position, 2002 – 3.
15. Member, University of Iowa College of Pharmacy Re-accreditation Committee on Faculty, 2003.
16. Member, Collegiate Consulting Group [for Clinical Track Promotion], 2003, 2004, 2005, 2006
17. Chair, Curriculum Subcommittee for Professional Elective Web-based Applications, 2003.
18. Member, Teacher of the Year Committee, 2004.
19. Member, Honorary Faculty Committee, 2004.
20. Member, Specialty Practice Advanced Practice Experience Focus Group, 2004
21. Interviewer, Pharmacy Applicants, University of Iowa College of Pharmacy , 2004 to present.
22. Chair, Joint VA/University of Iowa College of Pharmacy VA Inpatient Faculty Position, 2004 to 2005.

Teaching Enhancements

1. University of Iowa, College of Pharmacy Assessment Workshop, Iowa City, IA, October 10, 2002
2. University of Iowa, Instructional Technology, "ITC WebCT Update", Iowa City, IA, July 9, 2003
3. University of Iowa, Center for Teaching, "Helping Students Improve their Writing", Iowa City, IA, September 11, 2003.
4. University of Iowa, ITS Academic Technologies, "E-Learning Focus Group", Iowa City, IA, October 29, 2003.
5. Iowa Pharmacy Association 2004 Expo, "The Importance of Evaluating Students on Rotation", Des Moines, IA, January 17, 2004.
6. University of Iowa, ITS Academic Technologies, "E-Learning Focus Group Results Discussion", Iowa City, IA, February 17, 2004
7. University of Iowa, ITS Academic Technologies, "Maximize the Potential of WebCT and Blackboard Multiple Choice Questions", Iowa City, IA, April 21, 2004.
8. University of Iowa, ITS Academic Technologies, "The Strengths and Weaknesses of PowerPoint", Iowa City, IA, June 16, 2004.
9. University of Iowa, ITS Academic Technologies, "WebCT 4.1: New Features", Iowa City, IA, June 30, 2004.

College of Medicine, Department of Psychiatry

1. Psychopharmacology for Medical Students, November 1976 to 1996. A 6-part, rotating lecture series on practical psychopharmacology presented to 3rd-year medical students, College of Medicine, University of Iowa. Responsible for 3 of 6 lectures on antipsychotics, antianxiety agents, and management of drug withdrawal. (Starting in July 1996 the students use Hypercard® case-based learning program developed by PJ Perry and B Alexander for psychopharmacotherapeutic education.)
2. Psychopharmacology Seminar, July 1976 to present. A 30-lecture series presented over 2 semesters of the psychopharmacologic management of the psychiatric patient. The lectures are presented weekly for one hour to psychiatric residents and staff. Responsible for 10 lectures each year.

College of Nursing

1. University of Iowa; 96:133, January 1977 to 1998. Nursing aspects of antipsychotics, antidepressants, and antimanic agents. Eight hours/year.

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2. School of Nursing, Kirkwood Community College, January 1977 to 1993 (course was discontinued in 1993). Nursing aspects of antipsychotics, antidepressants, and antimanic agents. Seven hours/year.
3. University of Iowa, 96:224, January 1999, 2000, 2001, 2002, 2003, 2004. Pharmacotherapeutics for Advanced Practice Nursing. 4.0 hours lecture/year on antipsychotics, antimanic agents, and antidepressants.

Affiliations and Societies

1. Rho Chi Pharmaceutical Honor Society, 1973 to present.
2. Kappa Psi Pharmaceutical Fraternity, 1970 to present.
4. Iowa Pharmacists Association, member, 1988 to present
5. Iowa Pharmacists Association, Delegate, 1988, 1989, 1990, 1991, 1992, 1993, 2002, 2003, 2008, 2010.
4. Johnson County Pharmacist Association, 1991 to 1992.
5. Pharmacy Student Mentor Program, Iowa Pharmacist Association and University of Iowa College of Pharmacy, 1993 to 1999.

Awards, Honors, and Recognitions

1. Rho Chi Pharmaceutical Honor Society, 1972
2. Omicron Delta Kappa Honorary, 1973
3. Phi Eta Sigma Honorary, 1972
4. Dean's List, 1970-1974, Drake University
5. Upjohn Achievement Award, 1974
6. Iowa Pharmacist's President's Award for Special Contribution 1996 (as Chair of the Iowa Pharmacy Recovery Network)
7. Primary Care Practice Reviewer, 26th Annual Midwest Pharmacy Residents Conference, Iowa City, IA, 2001.
8. University of Iowa, Department of Psychiatry John W. Clancy Teaching Award 2000-2001. Presented by senior psychiatry residents.
9. Iowa Pharmacy Association 2002 Individual Appreciation Award, Des Moines, IA, June 21, 2002.
10. University of Iowa College of Pharmacy Faculty Preceptor of the Year 2002 - 2003.
11. University of Iowa College of Pharmacy Senior Class Teacher of the Year 2003 - 2004.
12. University of Iowa College of Pharmacy Teacher of the Year 2003 - 2004.
13. Elected to Who's Who in Pharmaceutical Sciences Education 2004
14. Iowa Health-Systems Pharmacist of the Year 2007
15. Honorary President, Iowa Pharmacy Association, 2014-2015

Consulting

Pharmacotherapeutic consultant to Cedar Center Psychiatric Group, Cedar Rapids, Iowa, 1988 to 2008.

Editorial Boards

Editorial Advisory Board (Psychiatry), Annals of Pharmacotherapy, 1988 to 1994.

Professional Committees/Boards

1. Member, American Society of Hospital Pharmacists Psychiatry Postgraduate Training Committee, 1990.

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2. Member, Iowa Pharmacist Association, Pharmacists Aiding Pharmacists in Iowa (PAP'I) Committee, 1991-1994.
3. Chair, Iowa Pharmacist Association, Iowa Pharmacy Recovery Network (IPRN) Committee, 1994 to 2015.
4. Member, Iowa Pharmacist Association, Task Force for RPF for Medicare Mental Health Services, 1997
5. Board of Trustees, Iowa Pharmacist Association, 1998-2000
6. Transition Board, Unification of Iowa Pharmacist Association and Iowa Society of Health-System Pharmacists, 1998
7. Member, Iowa Medicaid Drug Utilization Review Commission, 2003 to 2010 (Reappointed. Completed two-term limit).
8. Member, Iowa Medicaid Pharmacy and Therapeutics Committee, 2005 to 2017 (Reappointed 2007, 2009, 2011, 2013, 2015)
9. Member, Iowa Medicaid Pharmacy and Therapeutics Mental Health Subcommittee, 2005 to 2008.
10. Member, National Quality Forum, Implementation Technical Advisory Panel (represent Iowa), Washington, DC, 2007
11. Member, Iowa Pharmacy Association Health System Advisory Board, Des Moines, Iowa, 2008 to 2012.
12. Member, American College of Clinical Pharmacy National Pharmacy Student Competition Committee, 2009 to 2010.
13. Member, Planning Committee for PTSD Pharmacotherapy Management LiveMeeting Series, 2009 to 2010.
14. Member, Iowa Board of Pharmacy Pharmacy Recovery Committee, 2016 to present

Journal Referee

1. Current Prescribing, 1977
2. American Journal of Hospital Pharmacy, 1979
3. Journal of Affective Disorders, 1984
4. The Annals of Pharmacotherapy, 1983 to present
5. Psychiatric Services (Formerly Hospital and Community Psychiatry), 1995
6. American Journal of Psychiatry, 2002 to present.
7. Psychosomatics, 2005
8. Annals of Clinical Psychiatry, 2005
9. American Journal of Geriatric Psychiatry, 2006 - 2007
10. Pharmacotherapy, 2006 to present
11. Journal of the American Geriatric Society, 2009 to present
12. Acta Neuropsychiatrica, 2011 to present
13. Journal of Managed Care & Speciality Pharmacy, 2015 to present
14. Military Medical Research, 2015 to present

Grant Reviewer

1. University of Iowa College of Medicine, General Clinical Research Center, 2003

Publications

Books:

1. Liskow BI, Perry PJ, Alexander B. Psychotropic Drug Handbook, 2nd edition, University of Iowa Press, Iowa City, Iowa, 1977.
2. Perry PJ, Alexander B, Liskow BI. Psychotropic Drug Handbook, 3rd edition, Harvey Whitney Books, Cincinnati, Ohio, 1981.

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3. Perry PJ, Alexander B, Liskow BI. Psychotropic Drug Handbook, 4th edition, Harvey Whitney Books, Cincinnati, Ohio, 1985.
4. Perry PJ, Alexander B, Liskow BI. Psychotropic Drug Handbook, 5th edition, Harvey Whitney Books, Cincinnati, Ohio, 1988.
5. Perry PJ, Alexander B, Liskow BI. Psychotropic Drug Handbook, 6th edition, Harvey Whitney Books, Cincinnati, Ohio, 1991.
6. Perry PJ, Alexander B, Liskow BI. Psychotropic Drug Handbook, 7th edition, American Psychiatric Press Inc., Washington, DC, 1997.
7. Perry PJ, Alexander B, Liskow BI, Devane, CL. Psychotropic Drug Handbook, 8th edition, Lippincott Williams & Wilkins, Baltimore, MD, 2006.

Invited Book Chapters:

1. Alexander B, Perry PJ. Diuretics. In: Johnson FN, ed. Lithium Combination Treatments. London: Krager 1987;179-98.
2. Perry PJ, Alexander B. Part IV. Clinical Practice: technical issues. 17. Dosage and serum levels. In: Johnson FN, ed. Depression and Mania: Modern Lithium Therapy. Oxford: IRL Press Limited 1987;65-73.
3. Perry PJ, Alexander B. Rational use of antidepressants. In: Yates WR, ed. Primary Care: Clinics in Office Practice. Philadelphia: W.B. Saunders 1987;14:773-83.
4. Perry PJ, Alexander B. The prospective prediction of individualized serum lithium concentrations in acute mania. In: Birch NJ, ed. Lithium: Inorganic Pharmacology and Psychiatric Use. Oxford: IRL Press Limited 1988:129-32.
5. Alexander B, Cook BL. Pharmacologic treatment of depression. In: Primary Care. Philadelphia: W.B. Saunders 1990;17:565-88.
6. Perry PJ, Alexander B, Garvey MJ. Clinical psychopharmacology and other somatic therapies. In: Winokur G. and Clayton P., eds. The Medical Basis of Psychiatry, 2nd ed. Philadelphia: W.B. Saunders 1993:545-88.
7. Miller DD, Schultz SK, Alexander B. Rational pharmacologic approaches in the management of treatment-resistant schizophrenia. In Jefferson JW and Greist JH, eds. The Psychiatric Clinics of North America. Philadelphia. W.B. Saunders 1996:89-118.
8. Perry PJ, Alexander B, Bever KA. Serum level monitoring strategies. In: Robinson RG and Yates WR, eds. Psychiatric Treatment of the Medically Ill. New York: Marcel Dekker 1999:479-497.
9. Alexander B. Sedative-hypnotic drug interactions: Chapter 14. In: Shinn AF, ed. Evaluations of Drug Interactions. New York: MacMillan 1988 2002, 2003, 2004, 2005, 2006.
10. Perry PJ, Wehring H, Alexander B, Liskow BI. Clinical psychopharmacology and other somatic therapies. In Fatemi SH, Clayton P, eds. The Medical Basis of Psychiatry. Totowa, NJ: Humana, 2007.

Journal Articles (peer reviewed)

1. Martilla JK, Hammel RJ, Alexander B, Zustiak R. Potential untoward effects of long-term use of flurazepam in geriatric patients. Journal of the American Pharmaceutical Association 1977;17:692-5.
2. Taylor JW, Alexander B, Lyons LW. A comparative evaluation of oral anticoagulant phenytoin interactions. Drug Intelligence and Clinical Pharmacy 1980;14:669-73.
3. Taylor JW, Alexander B, Lyons LW. Mathematical analysis of a phenytoin-disulfiram interaction. American Journal of Hospital Pharmacy 1981;38:93-5.
4. Alexander MR, Alexander B, Mustion AL, Spector R, Wright CB. Therapeutic use of albumin: 2. Journal of the American Medical Association 1982;247:831-3.

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5. Perry PJ, Alexander B, Dunner FJ, Schoenwald RD, Pfohl B, Miller D. Pharmacokinetic protocol for predicting serum lithium levels. Journal of Clinical Psychopharmacology 1982;2:114-8.
6. McElnay JC, Jones ME, Alexander B. New drug evaluations: temazepam. Drug Intelligence and Clinical Pharmacy 1982;16:650-6.
7. Alexander B, Nasrallah HA, Perry PJ, Liskow BI, Dunner FJ. The impact of psychopharmacology education on prescribing practices. Hospital and Community Psychiatry 1983;34:1150-3.
8. Perry PJ, Prince RP, Alexander B, Dunner FJ. Prediction of lithium maintenance doses using a single point prediction protocol. Journal of Clinical Psychopharmacology 1983;3:13-7.
9. Browne JL, Perry PJ, Alexander B, et al. Pharmacokinetic protocol for predicting plasma nortriptyline levels. Journal of Clinical Psychopharmacology 1983;3:351-6.
10. Varney NR, Alexander B, Macindoe J. Reversible steroid dementia in patients without steroid psychosis. American Journal of Psychiatry 1984;141:369-72.
11. Perry PJ, Alexander B, Prince R, et al. Prospective evaluation of two lithium maintenance dose schedules. Journal of Clinical Psychopharmacology 1984;4:242-6.
12. Perry PJ, Browne JL, Alexander B, et al. Two prospective dosing methods for nortriptyline. Clinical Pharmacokinetics 1984;9:555-63.
13. True BL, Alexander B, Carter BL. Switching monoamine oxidase inhibitors. Drug Intelligence and Clinical Pharmacy 1985;4:825-7.
14. Perry PJ, Browne JL, Alexander B, et al. The relationship of free nortriptyline levels to antidepressant response. Acta Psychiatrica Scandinavica 1985;72:120-5.
15. Perry PJ, Alexander B, Prince RP, et al. A single point dosing protocol for predicting steady state lithium levels. British Journal of Psychiatry 1986;148:401-5.
16. Perry PJ, Alexander B. Sedative/hypnotic dependence: stabilization, tolerance testing, and withdrawal. Drug Intelligence and Clinical Pharmacy 1986;20:532-7.
17. Perry PJ, Browne JL, Prince RA, Alexander B, Tsuang MT. Effects of smoking on nortriptyline plasma concentrations in depressed patients. Therapeutic Drug Monitoring 1986;8:279-84.
18. Gersema LE, Alexander B, Kunze KE. Withdrawal symptoms after abrupt discontinuation of phenobarbital. Clinical Pharmacy 1987;6:420-2.
19. Alexander B. Antipsychotics: How strict the formulary? Drug Intelligence and Clinical Pharmacy 1988;22:324-6.
20. Cleary J, Alexander B. Blind vs. non-blind review: a survey of selected medical journals. Drug Intelligence and Clinical Pharmacy 1988;22:601-2.
21. Pfohl B, Barrash J, True B, Alexander B. Failure of two axis II measures to predict medication noncompliance among hypertensive outpatients. Journal of Personality Disorders 1989;3:45-52.
22. Sobotka JL, Alexander B. Clozapine. Journal of Pharmacy Technology 1989;5:93-7.
23. Sobotka JL, Alexander B, Cook BL. A retrospective study of compliance with recommended hematologic monitoring of carbamazepine. DICP, The Annals of Pharmacotherapy 1990;24:1166-68.
24. Sobotka JL, Alexander B, Cook BL. A review of carbamazepine's hematologic reactions and monitoring recommendations. DICP, The Annals of Pharmacotherapy 1990;24:1214-19.
25. Alexander B, Perry PJ. Detoxification from benzodiazepines: schedules and strategies. Journal of Substance Abuse Treatment 1991;8:9-17.
26. Clem JR, Murry DJ, Perry PJ, Alexander B, Holman TL. Performance in a Clinical Pharmacy Clerkship: Computer-Aided Instruction Versus Traditional Lectures. American Journal of Pharmaceutical Education 1992;56:259-63.
27. Ritter JL and Alexander B. Retrospective study of selegiline-antidepressant drug interactions and review of the literature. Annals of Clinical Psychiatry 1997;9:7-13.

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28. Clark NA, Alexander B. Increased rate of trazodone prescribing with second-generation antidepressants versus tricyclic antidepressants. The Annals of Pharmacotherapy 2000;34:1007-12.
29. Wehring H, Alexander B, Perry PJ. Diabetes mellitus associated with clozapine therapy. Pharmacotherapy 2000;20:844-47.
30. Hoy J, Alexander B. Rabbit syndrome secondary to risperidone. Pharmacotherapy 2002;22:513-515.
31. Bishop JA, Alexander B, Lund BC, Klepser TB. Osteoporosis screening and treatment in women with schizophrenia: A Controlled Study. Pharmacotherapy 2004;24:515-521.
32. Kurpius MP, Alexander B. Rates of In Vivo Methylation of Desipramine and Nortriptyline. Pharmacotherapy 2006;26:505-510.
33. Barnett MJ, Argo T, Alexander B, Perry PJ. A regional comparison of developing diabetes among VA patients exposed to typical and atypical antipsychotics relative to corticosteroids and proton pump inhibitors. Annals of Clinical Psychiatry 2006;18:1-7.
34. Barnett MJ, Alexander B, Kaboli PJ, Perry PJ. Risk of mortality associated with antipsychotic and other neuropsychiatric drugs in pneumonia patients. J Clinical Psychopharmacology 2006;26:1-6.
35. Kutscher EC, Alexander B. A Review of Drug Interactions With Psychiatric Medicines for the Pharmacy Practitioner. Journal of Pharmacy Practice 2007;20: 327-333.
36. Ernst ME, Shaw RF, Ernst EJ, Alexander B, Kaboli PJ. Atmospheric Pressure Changes and Unexplained Variability in INR Measurements. Atmospheric Pressure and INR Variability. Blood Coagulation and Fibrinolysis 2009, 20:263-270
37. Vouri SM, Shaw RF, Waterbury NV, Egge JA, Alexander B. Prevalence of Achievement of A1c, Blood Pressure, and Cholesterol (ABC) Goals in Veterans with Diabetes. Journal of Managed Care Pharmacy 2011;17(4):304-312.
38. Lund BC, Bernardy NC, Alexander B, Friedman MJ. Declining Benzodiazepine Use in Veterans with Posttraumatic Stress Disorder. Journal of Clinical Psychiatry 2012;73(3):292-296.
39. Bernardy NC, Lund BC, Alexander B, Friedman MJ. Prescribing Trends in Veterans in Posttraumatic Stress Disorder. Journal of Clinical Psychiatry 2012;73(3):297-319.
40. Lund BC, Abrams TE, Bernardy NC, Alexander B, Friedman MJ. Benzodiazepine Prescribing Variation and Clinical Uncertainty in Treating Posttraumatic Stress Disorder. Psychiatric Services 2013;64(1):21-27.
41. Lund BC, Bernardy NC, Vaughan-Sarrazin M, Alexander B, Friedman MJ. Patient and Facility Characteristics Associated With Benzodiazepine Prescribing for Veterans with PTSD. Psychiatric Services 2013;64(2):149-155.
42. Bernardy NC, Lund BC, Alexander B, Schnurr PP, Friedman MJ. Gender Differences in Prescribing Among Veterans Diagnosed with PTSD. Journal of General Internal Medicine 2013;28(2):542-548.
43. Bernardy NC, Lund BC, Alexander B, and Friedman MJ. Increased Polysedative Use in Veterans with Post-traumatic Stress Disorder. Pain Medicine 2014;15:1083-1090.
44. Patterson BJ, Kaboli PJ, Tubbs TA, Alexander B, Lund BC. Rural access to clinical pharmacy services. Journal of the American Pharmacists Association 2014;54:517-525.
45. Barnett ER, Bernardy NC, Jenkyn AB, Parker LE, Lund BC, Alexander B, Friedman MJ. Prescribing Clinicians' Perspectives on Evidence-Based Psychotherapy for Posttraumatic Stress Disorder. Behavioral Sciences. 2014;4(4):410-422.
46. Albertson J, McDaniel J, Carnahan R, Chrischilles E, Perencevich E, Goto M, Jiang L, Alexander B, Schweizer M. Determination of Risk Factors for Recurrent Methicillin-resistant *Staphylococcus aureus* Bacteremia in a Veterans Affairs Healthcare System Population. Infection Control and Hospital Epidemiology 2015;16:1-7.
47. Alexander B, Lund BC, Bernardy NC, Christopher MLD, Friedman MJ. Early Discontinuation and Suboptimal Dosing of Prazosin: A Potential Missed Opportunity for Veterans with PTSD. Journal of Clinical Psychiatry. 2015;76(5):e639-e644.

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48. Sciegienka A, Argo T, Cantrell M, Alexander B. Association Between Topiramate Use and Serum Bicarbonate Levels in a Veteran Population. Annals of Pharmacotherapy 2015;49(6):670-673.
49. Abrams TE, Lund BC, Alexander B, Bernardy NC, Friedman MJ. Geographical diffusion of prazosin across Veterans Health Administration: Examination of regional variation in daily dosing and quality indicators among veterans with posttraumatic stress disorder. Journal of Rehabilitation Research & Development 2015;52(5):619-628.
50. Hugie CF, Waterbury NV, Alexander B, Shaw RF, Egge JA. Adding Glucose-Lowering Agents Delays Insulin Initiation and Prolongs Hyperglycemia. The American Journal of Managed Care 2016;22(4):e134-e140.
51. Titus_Rains K, Cantrell M, Egge J, Alexander B, Shaw R, Argo T. The Effect of Landmark Trial Publications on Adjunctive Non-Statins Medication Prescribing in the VA Healthcare System. American Journal of Health-System Pharmacy [Accepted 03 2016].
52. Goto Michihiko, O'Shea A, Livorsi DJ, McDanel JS, Jones MM, Richardson KK, Beck BF, Alexander B, Evans ME, Kralovic SM, Perencevich EN. The Effect of a Nationwide Infection Control Program Expansion on Hospital-Onset Gram-Negative Rod Bacteremia in 130 Veterans Health Administration Medical Centers: An Interrupted Time Series Analysis. Clinical Infectious Diseases [Accepted 03 2016]
53. Witry MJ, Klein D, Turvey C, Franciscus C, Alexander B. Medication list discrepancies and therapeutic duplications among Veterans using both VA and non-VA clinics. Federal Practitioner [Accepted 04 2016]
54. Moeckli J, Stewart K, Ono S, Alexander B, Goss T, Maier M, Tien P, Howren M, Ohl M. Mixed-Methods Study of Uptake of the Extension for Community Health Outcomes (ECHO) Telemedicine Model for Rural Veterans with HIV. The Journal of Rural Health [Accepted 05 2016].
55. Alexander B, Cook BL, Doorenbas P, Smith D. Prospective, placebo-controlled study of hydrochlorothiazide and amiloride interaction with lithium [in preparation].
56. Cook BL, Alexander G, Doorenbas P, Smith D. Double-blind, placebo-controlled trial of amiloride and hydrochlorothiazide treatment of lithium-induced polyuria [in preparation].

Professional Journal Articles:

1. Alexander B, Schroeder R. Clomiphene citrate in the treatment of male infertility. Minnesota Pharmacist 1975;30:13.
2. Alexander B, Schroeder R. Clotrimazole in the treatment of rheumatoid arthritis. Minnesota Pharmacist 1975;30:13.
3. Alexander B. Phenytoin pharmacokinetics. Newsletter of the Comprehensive Epilepsy Program 1976;1:7-8.
4. Alexander B. A review of psychotropic drugs. Part 1: antipsychotics. Journal of Pharmacy Technology 1985;1:54-7.
5. Alexander B. A review of psychotropic drugs. Part 2: antidepressants. Journal of Pharmacy Technology 1985;1:104-7.
6. Alexander B. A review of psychotropic drugs. Part 3: antimanic agents. Journal of Pharmacy Technology 1985;1:154-7.
7. Alexander B. A review of psychotropic drugs. Part 4: hypnotics. Journal of Pharmacy Technology 1985;1:200-3.
8. Alexander B. A review of psychotropic drugs. Part 5: anti-anxiety drugs. Journal of Pharmacy Technology 1986;2:8-14.

Letters:

1. McGee J, Alexander B, Perry PJ. Clinical significance of the physical incompatibility between lithium citrate and trifluoperazine concentrate. American Journal of Hospital Pharmacy 1980;37:1052.
2. True BL, Alexander B, Carter BL. Switching monoamine oxidase inhibitors. Drug Intelligence and Clinical Pharmacy 1986;20:384.

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3. Chu AG, Gunslay BL, Summers RW, Alexander B, et al. Trazodone-induced liver damage. Annals of Internal Medicine 1983;99:128-9.
4. Cleary J, Alexander B. Blind vs. non-blind review: a survey of selected medical journals. DICP, The Annals of Pharmacotherapy 1990;24:1117-8.
5. Perry PJ, Alexander B. Switching haloperidol from oral to im depot formulation. DICP, The Annals of Pharmacotherapy 1991;25:1270-1.
6. Ellingrod VL, Perry PJ, Alexander B, Bever K. SSRI-OTC cough and cold preparation interactions. AMI Newsletter of Johnson County February 1997:3.
7. Langbehn D, Alexander B. Increased risk of side-effects in psychiatric patients treated with clozapine and carbamazepine: A reanalysis. Pharmacopsychiatry 2000;33:196.

Invited Book Reviews:

1. "The Handbook of Psychopharmacology, Volume 14." American Journal of Hospital Pharmacy 1979;36:584-6.
2. "Psychoactive Drugs: Improving Prescribing Practices." DICP, The Annals of Pharmacotherapy 1989;23:817.
3. "The Facts About Drug Use: Coping with Drugs and Alcohol in Your Family, at Work, in Your Community." Journal of Pharmacy Technology 1994;10:1.

Invited Lectures

1. "Phenytoin Pharmacokinetics," comprehensive Epilepsy Program, Hennepin County Medical Center, January 8, 1976. Minneapolis, Minnesota.
2. "The Compatibility of a Unit Dose Delivery System and Clinical Pharmacy Practice in Psychiatry," Department of Psychiatry Research Seminar, October 13, 1976. Iowa City, Iowa.
3. "Clinical Pharmacy Practice in Psychiatry," Presented at the College of Pharmacy for VA pharmacists, June and August, 1977. Iowa City, Iowa.
4. "Anticholinergic Psychoses," Department of Psychiatry Grand Rounds, November 17, 1977. Iowa City, Iowa.
5. "Antipsychotic Withdrawal Effects," Department of Psychiatry Grand Rounds, January 21, 1978. Iowa City, Iowa.
6. "Drugs of Abuse," College of Nursing, Nursing III, July 19, 1978. Iowa City, Iowa.
7. "Limbitrol," Department of Family Practice Clinical Pharmacy Review Conference, December 18, 1978. Iowa City, Iowa.
8. "Drug-induced Depression," Department of Psychiatry Grand Rounds, March 18, 1979. Iowa City, Iowa.
9. "Antipsychotics and Anxiolytics," College of Nursing Continuing Education Program, April 18, 1979. Iowa City, Iowa.
10. "Antipsychotics, Antidepressants, and Lithium," Nursing Continuing Education Seminar, Kirkwood College, June 24, 1980. Cedar Rapids, Iowa.
11. "Slow-release Lithium Preparations," Department of Psychiatry Grand Rounds, September 19, 1980. Iowa City, Iowa.
12. "Glucocorticoid Withdrawal Protocol and Stress Supplementation," Department of psychiatry Grand Rounds, June 4, 1981. Iowa City, Iowa.
13. "The Management of Depression," Kappa Epsilon Pharmacy Fraternity Continuing Education Seminar, August 17, 1981. Iowa City, Iowa.
14. "Cimetidine Psychosis and Cimetidine-Benzodiazepine Drug Interactions," Department of Psychiatry Grand Rounds, December 12, 1981. Iowa City, Iowa.
15. "Treatment of Senile Dementia," Department of Psychiatry Grand Rounds, October 28, 1981. Iowa City, Iowa.

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16. "Cimetidine Psychosis and Cimetidine-Benzodiazepine Drug Interactions," Iowa Psychiatric Association Annual Meeting, October 12, 1982. Iowa City, Iowa.
17. "Lithium in the Treatment of Schizophrenia," Department of Psychiatry Grand Rounds, January 29, 1982. Iowa City, Iowa.
18. "New Psychotropics: Therapeutic Options," The 1983 College of Pharmacy Lecture Series, October 9, 1983. Waterloo, Iowa.
19. "Psychotropic Drug Therapy," Iowa Pharmacists Association Academy of Long Term Care. March 18, 1984. Des Moines, Iowa.
20. "Treatment of Schizoaffective Disorder," Department of Psychiatry Grand Rounds, April 18, 1984. Iowa City, Iowa.
21. "Psychotropic Drug Therapy," The 1984 Nebraska Pharmacist Association Seminar, May 18, 1984. Lincoln, Nebraska.
22. "Treatment of the Acutely Psychotic Patient," Oakdale Correctional Medical Facility, July 18, 1984. Oakdale, Iowa.
23. "Carbamazepine Pharmacokinetics in Mania," Department of Psychiatry Grand Rounds, September 25, 1984. Iowa City, Iowa.
24. "Clonidine in Opiate Withdrawal," Iowa Psychiatric Association Annual Meeting, November 16, 1984. Iowa City, Iowa.
25. "Psychopharmacology Overview," Department of Neurology, November 26-28, 1984. Iowa City, Iowa.
26. "Lithium in the Treatment of Alcoholism" Department of Psychiatry Grand Rounds, January 8, 1985. Iowa City, Iowa.
27. "Neuroleptic Malignant Syndrome," Department of Psychiatry Grand Rounds, April 16, 1985. Iowa City, Iowa.
28. "Nomifensine and Bupropion," Iowa Psychiatric Association Annual Meeting, October 25, 1985. Iowa City, Iowa.
29. "Antipsychotics and Anxiolytics," Thirty-fourth Annual University of Iowa College of Pharmacy Seminar, October 12, 1986. Iowa City, Iowa.
30. "Treatment of Depression in the Elderly," V.A. Medical Center. Series on Aging, March 15, 1987. Iowa City, Iowa.
31. "Buspirone," Iowa Psychiatric Association Annual Meeting. November 7, 1987. Iowa City, Iowa.
32. "Antipsychotics and Lithium," Iowa Security Medical Facilities Continuing Education, February 3, 1988. Oakdale, Iowa.
33. "Pharmacologic Treatment of Posttraumatic Stress Disorder", Annual Regional Training, Readjustment Counselling Service, Region V, April 14, 1988. Estes Park, Colorado.
34. "Antipsychotics and Anxiolytics," The Academy of Long Term Care, Iowa Pharmacist Association, October 23, 1988. Cedar Rapids, Iowa.
35. "Antidepressant Drugs and the Elderly," VA Medical Center Series on Aging, November 16, 1988. Iowa City, Iowa.
36. "New Psychotropic Drugs," Kirkwood Community College, March 15, 1989. Cedar Rapids, Iowa.
37. "Management of Alcohol Withdrawal," Iowa Psychiatric Society, April 8, 1989. Cedar Rapids, Iowa.
38. "Research Concerning Lithium-Induced Polyuria," University of Iowa College of Pharmacy Honors Seminar, September 7, 1989. Iowa City, Iowa.
39. "Dosing Strategies With Long-Acting Antipsychotics," Iowa Psychiatric Society Postgraduate Conferences, October 28, 1989. Iowa City, Iowa.
40. "Overview of Psychotropic Drugs," Continuing Education Seminar for Nurses, November 27, 1989. Cedar Rapids, Iowa.
41. "Clozapine," Department of Pharmacy, University of Iowa Hospitals and Clinics Continuing Education Seminar, December 12, 1989. Iowa City, Iowa.

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42. "Management of Alcohol Withdrawal," St. Lukes Family Practice Department Continuing Education Seminar, May 25, 1990. Cedar Rapids, Iowa.
43. "Psychopharmacology Update: bupropion, clozapine, fluoxetine, and buspirone," The University of Iowa College of Medicine Visiting Professor Program: Mason City Family Practice Residency Program, September 20, 1990. Mason City, Iowa.
44. "Clinical Use of Clozapine," Iowa Pharmacists Association/Iowa Society of Hospital Pharmacy Educational Expo, January 20, 1991. Des Moines, Iowa.
45. Panel Member, "Sandoz and The Clozaril Distribution System," Iowa Pharmacists Association/Iowa Society of Hospital Pharmacy Educational Expo, January 20, 1991. Des Moines, Iowa.
46. "Neuroleptic Malignant Syndrome," University of Iowa Department of Internal Medicine Grand Rounds, February 5, 1991. Iowa City, Iowa.
47. "Management of Benzodiazepine and Alcohol Withdrawal," St. Lukes Family Practice Department Continuing Education Seminar, March 18, 1991. Cedar Rapids, Iowa.
48. "Pharmacokinetics in Drug Dosing," Medical Technology Summer Camp, July 12, 1991. Wartburg College, Waverly, Iowa.
49. "Management of Drug Withdrawal," The University of Iowa College of Medicine Visiting Professor Program, Broadlawns Medical Center, December 10, 1991. Des Moines, Iowa.
50. "Pharmacologic Management of Anxiety: Generalized Anxiety Disorder and Panic Disorder," Johnson County Pharmacist Association, January 14, 1992. Iowa City, Iowa.
51. "Typical Antipsychotics and Clozapine: Therapeutic Use," Department of Psychiatry Grand Rounds, The Alvin B. York Department of Veterans Affairs Medical Center, January 28, 1992. Murfreesboro, Tennessee.
52. "Clozapine Prescribing within the VA," Department of Psychiatry Grand Rounds, The Alvin B. York Department of Veterans Affairs Medical Center, January 28, 1992. Murfreesboro, Tennessee.
53. "Anti-Anxiety Agents," The University of Iowa College of Medicine Visiting Professor Program, Broadlawns Medical Center, February 5, 1992. Des Moines, Iowa.
54. "Management of Drug Withdrawal," The University of Iowa College of Medicine Visiting Professor Program, Broadlawns Medical Center, March 28, 1992. Des Moines, Iowa.
55. "Basics of Pharmacokinetics," The University of Iowa Laboratory Technology Program, May 4, 1992. Iowa City, Iowa.
56. "Drug Treatment of Depression in the Elderly," Midwestern Conference on Health Care in the Elderly, XV Annual Meeting, September 12, 1992. Iowa City, Iowa.
57. "Selective Serotonin Reuptake Inhibitors: New Antidepressants," Iowa Psychiatric Society Annual Meeting, October 17, 1992. Iowa City, Iowa.
58. "Basics of Pharmacokinetics," The University of Iowa Laboratory Technology Program, November 20, 1992. Iowa City, Iowa.
59. "Pharmacologic Alternatives in the Treatment of Refractory Schizophrenia," Department of Psychiatry Grand Rounds, Knoxville Department of Veterans Affairs Medical Center, February 5, 1993. Knoxville, Iowa.
60. "Medications Affecting Geriatric Mental Health," Iowa City VA Medical Center's Annual Geriatric Conference, April 15, 1993. Iowa City, Iowa.
61. "Prescription Privileges for Psychologists," Iowa Psychological Association Annual Convention, April 16, 1993. Des Moines, Iowa.
62. "Psychopharmacology Update," First Annual Current Trends in Mental Health, May 25, 1993. Cedar Rapids, Iowa.
63. "Pharmacologic Management of Agitation Associated with Dementia," Department of Psychiatry Grand Rounds, Knoxville Department of Veterans Affairs Medical Center, September 30, 1993. Knoxville, Iowa.
64. "Pharmacologic Management of Depression: Case Study Approach," University of Iowa College of Pharmacy Fall Continuing Education Program, October 17, 1993. Iowa City, Iowa.

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65. "Medications Affecting Geriatric Mental Health," Kirkwood Community College's 1993 Mental Health Conference, November 12, 1993. Cedar Rapids, Iowa.
66. "New Psychotropic Agents," The University of Iowa College of Medicine Visiting Professor Program, Mason City Family Practice Center, May 12, 1994. Mason City, Iowa.
67. "Pharmacologic Management of Depression: Case Study Approach," University of Iowa College of Pharmacy Fall Continuing Education Program, May 15, 1994. Iowa City, Iowa.
68. "Psychopharmacology Update," Second Annual Current Trends in Mental Health, May 17, 1994. Cedar Rapids, Iowa.
69. "Pharmacokinetic Applications," Laboratory Pursuits 1994, July 7, 1994. Wartburg College, Waverly, Iowa.
70. "Psychopharmacology Update," University of Minnesota and Iowa Colleges of Pharmacy Annual Continuing Education Program, March 6, 1995 to March 14, 1995. St. Thomas, US Virgin Islands.
71. "The New Wave of Antidepressants," University of Minnesota College of Pharmacy Continuing Education Program, November 12, 1995. Minneapolis, Minnesota
72. "The Pharmacist's Role on the Patient Management Team (Voice of Pharmacy Program)," Iowa Pharmacist Association/Iowa Society of Hospital Pharmacists Annual Meeting, January 21, 1996. Des Moines, Iowa
73. "Advanced Psychopharmacology for the ARNP," University of Iowa Department of Nursing Continuing Education Program, March 7, 1996. Iowa City, Iowa.
74. "Psychotropic Drug Side Effects," Iowa Coalition for the Homeless Annual Meeting, June 21, 1996. Cedar Rapids, Iowa
75. "Alternatives in the Management of Treatment-Resistant Schizophrenia: Are there reasonable Alternatives if Clozapine Fails?," The 1996 Armed Forces Update in Psychiatry, September 5, 1996. San Antonio, Texas
76. "Is Lithium the Number One Treatment for Bipolar Illness?," The 1996 Armed Forces Update in Psychiatry, Wilford Hall USAF Medical Center, September 5, 1996. San Antonio, Texas
77. "Lithium-Diuretic Interaction," University of Iowa Department of Psychiatry Grand Rounds, December 10, 1996. Iowa City, Iowa.
78. "Psychopharmacology Update," Australian Society of Hospital Pharmacists Continuing Education Program, February 22, 1997. Sydney, Australia.
79. "Psychopharmacology Update," Australian Society of Hospital Pharmacists Continuing Education Program, February 24, 1997. Melbourne, Australia.
80. "Psychopharmacology Update," Australian Society of Hospital Pharmacists Continuing Education Program, March 1, 1997. Perth, Australia.
81. "Atypical Antipsychotics - Questions and Answers," Auckland Consultant Psychiatrists, March 4, 1997. Auckland, New Zealand.
82. "New Psychotropic Agents," The University of Iowa College of Medicine Visiting Professor Program, Mason City Family Practice Center, April 23, 1997. Mason City, Iowa.
83. "Treatment of Depression," Department of Psychiatry, Wilford Hall USAF Medical Center Visiting Professor Program, May 12, 1997. San Antonio, Texas
84. "Treatment of Refractory Depression," Department of Psychiatry, Wilford Hall USAF Medical Center Visiting Professor Program, May 13, 1997. San Antonio, Texas
85. "Treatment of Drug Withdrawal," Department of Psychiatry Grand Rounds, Wilford Hall USAF Medical Center Visiting Professor Program, May 15, 1997. San Antonio, Texas
86. "New Therapies in Target Populations: Schizophrenia," Iowa Pharmacists Association Annual Meeting, June 28, 1997. Davenport, Iowa
87. "Herbs and Hormones: What Other Psychotropic Drugs are Your Patients Taking?," The 1998 Armed Forces Update in Psychiatry, Wilford Hall USAF Medical Center, January 21, 1998. San Antonio, Texas

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88. "Pharmacokinetics in Drug Dosing," Iowa Association for Clinical Laboratory Science, June 25, 1998. Wartburg College, Waverly, Iowa.
89. "Pharmacologic Treatment of Post-Traumatic Stress Disorder," Veterans Readjustment Counseling Service, July 22, 1998. Cedar Rapids, Iowa
90. "Iowa Pharmacy Recovery Network," Johnson County Pharmacists Association, April 21, 1999. Iowa City, Iowa
91. "What is the Iowa Pharmacy Recovery Network?," Iowa Pharmacy Association Annual Meeting, June 11, 1999. Cedar Rapids, Iowa
92. "Pharmacokinetics in Drug Dosing," Iowa Association for Clinical Laboratory Science, June 24, 1999. Wartburg College, Waverly, Iowa.
93. "Therapeutic Options for Antidepressants," The University of Iowa College of Medicine Visiting Professor Program, Mason City Family Practice Center, May 19, 2000. Mason City, Iowa.
94. "Update on the Iowa Pharmacy Recovery Network," Johnson County Pharmacists Association, October 18, 2000. Iowa City, Iowa
95. "Atypical Antipsychotics," Dubuque Area Pharmacist Association, December 7, 2000. Dubuque, Iowa.
96. "Substance Abuse Among Pharmacists and the Iowa Pharmacy Recovery Network," 2001 Iowa Pharmacy Association Pharmacy Technician Educational Forum, April 21, 2001. Des Moines, Iowa.
97. "Antipsychotics-Part I," University of Iowa Department of Neurology Grand Rounds, December 12, 2003. Iowa City, Iowa.
98. "What If the First Antidepressant Doesn't Work?" VISN 23 Department of Veterans Affairs Medical Center Primary Care Grand Rounds, May 12, 2005. Iowa City, Iowa.
99. "Benzodiazepines and PTSD" Department of Veterans Affairs PTSD Pharmacotherapy Management Lecture Series, National LiveMeeting, July 20, 2010.

Scientific Papers

1. Alexander B. Psychiatry and clinical pharmacy: a model interaction. Presented at American Psychiatric Association Annual Meeting, New Orleans, Louisiana. May 1981.
2. Taylor JW, Alexander B, Kathol R. Pharmacokinetic analysis of the phenytoin-disulfiram interaction. Presented at the American College of Clinical Pharmacy Annual Meeting, San Diego, California. July 1984.
3. Alexander B, Cook BL. Time-course of lithium's interaction with placebo, amiloride, and hydrochlorothiazide. Presented at 3rd International Lithium Workshop, Wolverhampton Polytechnic, Wolverhampton, England. March 25, 1991.
4. Cook BL, Alexander B. Amiloride versus hydrochlorothiazide in lithium-induced polyuria. Presented at 3rd International Lithium Workshop, Wolverhampton Polytechnic, Wolverhampton, England. March 25, 1991.
5. Lund B, Alexander B, Bernardy N, Friedman MJ. Benzodiazepine use in veterans with posttraumatic stress disorder. Annual Meeting of the Veterans Affairs Office of Mental Health, Baltimore, Maryland, August 22, 2011.

Poster Presentations

1. Taylor JW, Alexander B, Lyons LW. An mathematical analysis of a phenytoin-disulfiram interaction. Presented at American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada. December 1979.
2. McGee JL, Alexander B, Perry P. Clinical significance of the physical incompatibility between lithium citrate and trifluoperazine concentrate. Presented at American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada. December 1979.

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3. Alexander B, Perry PJ. A single dose kinetic protocol for predicting steady state lithium levels. Presented at American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada. December 1980.
4. Sobotka JL, Alexander B, Cook BL. Drug utilization evaluation: carbamazepine hematologic monitoring. Presented at American Society of Hospital Pharmacists Midyear Clinical Meeting, Dallas, Texas. December 1988.
5. Bishop JA, Alexander B, Lund BC, Klepser TB. Osteoporosis Prevention in Females with Schizophrenia. 5th Annual Student Health Interdisciplinary Poster Session , University of Iowa College of Medicine, Iowa City, Iowa, April 2003
6. Bishop JA, Alexander B, Lund BC, Klepser TB. Osteoporosis Prevention in Females with Schizophrenia. University of Iowa College of Pharmacy, Division of Clinical and Administrative Pharmacy Research Day, Iowa City, Iowa, April 2003 (Awarded 2nd place in Undergraduate Research Division)
7. Bishop JA, Alexander B, Lund BC, Klepser TB. Osteoporosis Prevention in Females with Schizophrenia. Pharmacy Student Research Conference - Western Region, University of Colorado, Denver, Colorado, May 2003 (Selected best poster related to clinical/educational research)
8. Bishop JA, Alexander B, Lund BC, Klepser TB. Osteoporosis Prevention in Females with Schizophrenia. Pharmacy Student Research Conference – Iowa Pharmacy Association Annual Meeting, Cedar Rapids, IA, June 21, 2003.
9. Rusinak JD, Alexander B, Cook BL, Langbehn DR. A Placebo-controlled Trial of Amiloride Versus Hydrochlorothiazide in the Treatment of Lithium-induced Polyuria. University of Iowa College of Pharmacy, Division of Clinical and Administrative Pharmacy Research Day, Iowa City, Iowa, April 2004
10. Kurpius M, Alexander B. Evidence for the Methylation of Desipramine and Nortriptyline. 7th Annual Student Health Interdisciplinary Poster Session , University of Iowa College of Medicine, Iowa City, Iowa, April 2005 (Award 2nd place in Student/Fellow category)
11. Vouri SM, Waterbury N, Egge J, Alexander B, Shaw R. The prevalence of meeting the A1c, Blood Pressure, and Cholesterol (ABC) goals in patients with diabetes mellitus at the Iowa City VAMC. 12th Annual Student Health Interdisciplinary Poster Session , University of Iowa College of Medicine, Iowa City, Iowa, April 2010
12. Kurpius M, Alexander B. Evidence for the Methylation of Desipramine and Nortriptyline. University of Iowa College of Pharmacy, Division of Clinical and Administrative Pharmacy Research Day, Iowa City, Iowa, April 2005 (Finalist in undergraduate pharmacy student category)
13. McClellan R, Waterbury N, Alexander B. The Relationship between Body Mass Index and VA Health Care Costs. University of Iowa College of Pharmacy, Division of Clinical and Administrative Pharmacy Research Day, Iowa City, Iowa, April 2005 (First place in pharmacy resident/fellow category)
14. Swenson T, Waterbury N, Shaw R, Alexander B. Predictors of Adherence to Antiretroviral Therapy: A Retrospective Analysis in a Veteran Population. . University of Iowa College of Pharmacy, Division of Clinical and Administrative Pharmacy Research Day, Iowa City, Iowa, April 2007 (First place in pharmacy resident/fellow category)
15. Ernst ME, Shaw RF, Ernst EJ, Alexander B, Kaboli PJ. Atmospheric Pressure and INR Variability - Are They Related? Annual Meeting of the American College of Clinical Pharmacy, Louisville, Kentucky, October 2008.
16. Vouri SM, Shaw R, Waterbury N, Egge J, Alexander B. Prevalence of meeting the A1c, blood pressure, and cholesterol (ABC) goal in veterans with diabetes mellitus at the Iowa City Veterans Affairs (ICVA) Medical Center. Annual Meeting of the American College of Clinical Pharmacy, Austin, Texas, October 2010.
17. Alexander B, Cook BL. Site Variation of Lithium Prescribing in VISN 23 Outpatients with Bipolar Disorder. Annual Meeting of the Veterans Affairs Office of Mental Health, Baltimore, Maryland, August 22 – 25, 2011.

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18. Gilley M, Waterbury N, Alexander B, Shaw R. Preserving Statin Use: Tolerability of Alternatively-Dosed Statins. University of Iowa Carver College of Medicine Health Sciences Research Week. April, 2013.
19. Faber DM, Agro TR, Alexander B. Glycemic Consequences of Second Generation Antipsychotics in Veterans with Diabetes and Major Depressive Disorder. University of Iowa Carver College of Medicine Health Sciences Research Week. April, 2013 (First place in pharmacy resident/fellow category)
20. Hugie C, Waterbury N, Alexander B, Shaw R, Egge J. Use of Glucose Lowering Drug Classes and A1c at Insulin Initiation in the National Veteran Population. University of Iowa Health Sciences Research Week. April, 2014 (First place in pharmacy resident/fellow category)
21. Sciegieka A, Argo T, Cantrell M, Alexander B. Association Between Topiramate Use and Serum Bicarbonate Levels in a Veteran Population. University of Iowa Health Sciences Research Week. April, 2014.
22. Angwin K, Argo T, Egge J, Alexander B. National Trends of B12 and Folate Screening in Veterans with Cognitive Impairment. University of Iowa Health Sciences Research Week. April, 2014.
23. Stensrud E, Tague A, Heintz S, Heintz B, Shaw R, Egge J, Alexander B. Impact of a Pharmacist-Managed Inpatient Anticoagulation Monitoring Service in a VA Healthcare System. University of Iowa Health Sciences Research Week. April, 2014.
24. Titus-Rains K, Cantrell M, Egge J, Alexander B, Shaw R, Argo T. The Effect of Major Publications on Adjunctive Lipid-Lowering Medication Prescribing in the VA Health Care System. University of Iowa Health Sciences Research Week. April, 2015 (First place in pharmacy resident/fellow category).
25. Cox K, Alexander B, Shaw R, Heintz BH. Clinical Outcomes in Patients Hospitalized with Cellulitis and Cutaneous Abscess Treated with Oral Clindamycin and TMP/SMX. University of Iowa Health Sciences Research Week. April, 2014.
26. Preinitz J, Argo T, Egge J, Alexander B. Comparative Efficacy of Bupropion and Sertraline in Treatment of PTSD in Operation Enduring Freedom (OF), Operation Iraqi Freedom (OIF), and Operation New Dawn (OND) Veterans. University of Iowa Health Sciences Research Week. April, 2015.
27. Watson L, Argo T, Lund BC, Alexander B, Egge J. Persistence of Prazosin Therapy in Veterans with Posttraumatic Stress Disorder. University of Iowa Health Sciences Research Week. April, 2016. (Award Winner in Post-Doctoral category).
28. Meyer H, Livorsi D, Heintz B, Lund B, Egge J, Alexander B. Identifying Opportunities to Improve Guideline-Concordant Antibiotic Prescribing in Veterans with Acute Respiratory Infections or Cystitis in an Outpatient Setting. University of Iowa Health Sciences Research Week. April, 2016. (Award Winner in Post-Doctoral category).

Grants and Contracts

Funded

1. An Innovative Analysis of the Phenytoin-Disulfiram Interaction, University of Iowa Clinical Research Center, 1980 (Co-Investigator - \$4,560 - partial funding).
2. Phase III Study of Oxaprotiline, Ciba-Geigy Pharmaceutical Company, 1983 (Co-Investigator - \$5,480).
3. Cost-Benefit Analysis of Prospective Nortriptyline Pharmacokinetic Dosing, Sandoz Pharmaceutical Company, 1985 (Co-Investigator - \$18,400).
4. Cost-Benefit Analysis of Prospective Nortriptyline Pharmacokinetics Dosing, Veterans Administration, 1985 (Co-Investigator - \$10,000).
5. A Clinical Pharmacokinetic Study of Zonisamide Capsules in Young and Elderly Volunteers, Warner-Lambert/Parke-Davis Pharmaceutical Company, 1985 (Co-Investigator - \$73,000).
6. Pharmacotherapy of Bipolar Affective Disorder, Veterans Administration, 1987 (Co-investigator - \$25,000).

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7. Carbamazepine: Computer Assessment of Adverse Hematologic Effects, Veterans Administration, 1987 (Principal Investigator - \$1000).
8. Comparison of Amiloride, Hydrochlorthiazide, Placebo and Once-Daily Lithium Dosing in the Treatment of Lithium-Induced Polyuria. University of Iowa Department of Psychiatry Research Grant, 1989 (Co-Principal Investigator - \$20,000).
9. Comparison of Amiloride, Hydrochlorthiazide, Placebo and Once-Daily Lithium Dosing in the Treatment of Lithium-Induced Polyuria. University of Iowa Department of Psychiatry Research Grant, 1990 (Co-Principal Investigator - \$7,500).
10. Development and Strategies to Improve Evidence-Based Care for Posttraumatic Stress Disorder (PTSD): Decreasing Benzodiazepine Treatment. VA QUERI, 2010 - 2012 (Co-Investigator - \$149,383)

Not Funded

1. Comparison of Amiloride, Hydrochlorthiazide, Placebo and Once-Daily Lithium Dosing in the Treatment of Lithium-Induced Polyuria. VA Merit Review Grant, Submitted January 1990 (Co-Investigator - \$25,000).
2. Pilot Study of Benzodiazepine Loading in Alcohol Withdrawal. Carver Trust Medical Research Initiative Grants, University of Iowa College of Medicine, Submitted January 1992 (Co-Principal Investigator - \$15,000).

Updated: 05/2016



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

- a. Dr. Charles Wadle, Psychiatrist/Pharmacist
 - i. Dr. Wadle's service will satisfy the requirements of IAC 657-30.3(4)

Charles V. Wadle, D.O.

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West Des Moines, Iowa 50265

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cvwadle@msn.com

Personal

Born: November 7, 1955 in Des Moines, Iowa

Married: June 9, 1979 to Marianne Graziano, R.Ph. sharing eleven children

Professional Activity (Current)

Magellan Behavioral Care of Iowa (Managed Care), West Des Moines, Iowa; Medical Director, 1995-2016

Medical director for case management process, develop utilization management guidelines and clinical practice guidelines, performing internal and external appeals, interface with provider network as lead for RNCC, interface with contractor (Iowa DHS) for processes related to medical implementation of Medicaid services.

Iowa Medicaid Pharmacy and Therapeutics Committee, 2007-present
Governor appointed committee member responsible for clinical and fiscal assessments of pharmacotherapeutics available through Iowa Medicaid.

St. Gregory Retreat Center; Des Moines, Iowa; Medical Director, 2009-present
Provide direct clinical services for medical withdrawal management; supervise and/or collaborate with Advanced Registered Nurse Practitioner, Physician Assistant, Director of Nursing; consultation with management, administrative and clinical staff availing multi-level services for those with substance abuse

Iowa Board of Medicine, May 2015-present
Governor appointed board member assessing public complaints, licensure requests, discerning interventions as indicated to optimize public safety and physician stability.

Professional Activity (Past)

Wadle and Associates, P.C., Des Moines, Iowa; Private Practice Clinic 1990-2014

Avail direct clinical services, consultation, management of administrative and clinical services provided by two psychiatrists, two Ph.D. psychologists, one ARNP, one PA, and twenty master's level therapists.

Iowa Autism Council, 2008-2013

Charles V. Wadle, D.O.

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Governor appointed member of advisory council for developing a plan to address the diagnosis, treatment, and resource development for those with autism

Wellmark Blue Cross Blue Shield Pharmacy and Therapeutics Committee; Committee member 2006-2009
Committee member responsible for clinical and fiscal assessments of pharmacotherapeutics available through Wellmark benefit plans.

Iowa Physician Review Committee (Diversion Program), Des Moines, Iowa; Committee member 1999-2003
Governor appointed committee member to offer support to physicians who self-report mental health, substance related, or physical problems

Mercy First Step Recovery Program (Chemical Dependency), Des Moines, Iowa; Medical Director from March 1995 through April 2000
Provide direct clinical services for those with co-occurring mental health problems, consultation to clinical staff regarding maximization of therapeutic interventions

Children and Families of Iowa, Cornerstone Recovery Program (Chemical Dependency for Adolescents); Ankeny, Iowa; Medical Director, January 1994 through December 1994
Provide direct clinical services for those with co-occurring mental health problems, consultation to clinical staff regarding maximization of therapeutic interventions

Mercy Eating Disorders Program, Des Moines, Iowa; Medical Director, November 1991 to June 1993
Provide direct clinical services for those with eating disorders and co-morbid mental health problems, consultation to clinical staff regarding maximization of therapeutic interventions

MCC of Iowa (Managed Care), Des Moines, Iowa; Medical Consultant, February 1991 through December 1993
Provide direct services to those with mental health problems and consultation to staff to maximize therapeutic outcome

Iowa Methodist Medical Center, Des Moines, Iowa; Vice-Chairman, Department of Psychiatry, 1990 to 1994
Consultation to inpatient psychiatric services for policies and procedures

Psychiatric Associates, P.C., Des Moines, Iowa; Private Practice (Two Psychiatrists), September 1989 through December 1990
Outpatient and inpatient psychiatric services

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Broadlawns Medical Center, Des Moines, Iowa; Director of Outpatient Psychiatry, July 1988 through August 1989

Outpatient services to patients presenting to the hospital as well as traveling to residential and group homes to see patients

Mental Health Center of Mid-Iowa, Marshalltown, Iowa; Consultant Psychiatrist, August 1988 through August 1989

Provide direct services to those with mental health problems and consultation to staff to maximize therapeutic outcome

Jasper County Mental Health Center/Jasper County Care Facility, Newton, Iowa; Consulting Psychiatrist, August 1988 through August 1989

Provide direct services to those with mental health problems and consultation to staff to maximize therapeutic outcome

Mercy Psychological Services, Des Moines, Iowa, Associate Psychiatric Director, January 1989 through December 1991

Provide direct services to those with mental health problems and consultation to staff to maximize therapeutic outcome

Mercy Alcohol and Drug Rehabilitation Program (MADRP), Des Moines, Iowa, Associate Psychiatric Director, January 1989 through December 1990

Provide direct clinical services for those with co-occurring mental health problems, consultation to clinical staff regarding maximization of therapeutic interventions

North Central Iowa Mental Health Center, Fort Dodge, Iowa; Director, July 1985 through June 1988

Provide direct clinical services, consult with clinical staff for maximization of therapeutic outcomes, and collaborate with office manager and the Board for optimizing operations within fiscal limitations

University of Nebraska Medical Center, Omaha, Nebraska, Clinical Instructor for Department of Psychiatry July 1985 through May 1988

Supervision of residents via didactic presentations and case discussion

Clarinda Treatment Complex, Clarinda Iowa; Weekend Doctor On-Call, December 1983 through May 1985

Daily rounds, direct services for inpatients, admission of new inpatient

Ronald L. Bendorf, MD, Board Certified Psychiatrist, Council Bluffs, Iowa; Intermittent Coverage June 1983 through May 1985

Avail direct services for patients of Dr. Bendorf who were hospitalized

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Postgraduate Training

University of Nebraska Medical Center, Nebraska Psychiatric Institute
Omaha, Nebraska; Psychiatry Residency, July 1982 through June 1985

- Cecil L. Wittson Award for Outstanding Performance (1983/1985)
- Chief Resident, July 1983 through December 1984

Des Moines General Hospital, Des Moines, Iowa; Rotating Internship;
July 1981 through June 1982

Medical Education

College of Osteopathic Medicine and Surgery (Des Moines University)
Des Moines, Iowa

- Graduation Date: June 1981
- Activities: Osteopathic Manipulative Medicine Teaching
Assistant, Public Health Services Student Organization (Treasurer),
Social Committee, Student Osteopathic Medical Association

Undergraduate Education

Drake University College of Pharmacy, Des Moines, Iowa

- Graduation: December 1977
- Honors: Rho Chi Pharmaceutical Honorary Society (1977)

Professional Memberships

American Psychiatric Association
American Society of Addiction Medicine
Iowa Psychiatric Society

Licensure

Licensed to practice medicine in Iowa (#1930) and Nebraska (#33) via
FLEX
Registered Pharmacist in Iowa (#W- 15210)

Board Certifications

Diplomate of the American Board of Psychiatry and Neurology (#29014)
American Board of Psychiatry and Neurology, Added Qualifications in
Addiction Psychiatry (#753-Expired)
American Society of Addiction Medicine (#0060032)
American Board of Addiction Medicine (#000323)
Diplomate of the American Board of Quality Assurance and Utilization
Review Physicians, Inc. (#56304)
Diplomate of the Federation of State Medical Boards

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Publications

Chu CC, Wadle CV and Ruedrich SL: Acute renal failure associated with amoxapine overdose, Nebraska Medical Journal, 69: 338-339, 1984

Ruedrich SL, Wadle CV, Hahn R and Chu CC: Neuroendocrine investigation of depression in mentally retarded patients: A pilot study. The Journal of Nervous and Mental Disease, 173: 85-90, 1985

Chu CC, Wadle CV and Ruedrich SL: Amoxapine-associated acute renal failure (Letter to the Editor). Southern Medical Journal, 78: 761, 1985

Ruedrich SL, Chu CC, and Wadle CV: The amytal interview in the treatment of psychogenic amnesia. Hospital and Community Psychiatry, 36: 1045-46, 1985

Ruedrich SL, Wadle CV, Sallach HS, Hahn RK and Menolascino FJ: Adrenocortical function and depressive illness in mentally retarded patients. American Journal of Psychiatry, 144: 597-602, 1987

Wadle, CV: Sexuality-Education Revisited. Polk County Medical Society Bulletin, 60, No.9: 144-45, November 1989

Wadle CV: Panic Disorder: "Am I losing My Mind?" Hawkeye Osteopathic Journal, 8, No.2: 12-13, March/April 1990

Task Force Membership, Magellan Clinical Practice Guideline for Assessing and Managing the Suicidal Patient, 2000-2012

Task Force Membership, Clinical Practice Guideline for the Treatment of Adults with Substance Use Disorders, Magellan Health Services, 2000-2012

Task Force Membership, Clinical Practice Guideline for the Treatment of Patients with Major Depressive Disorder, Magellan Health Services, 2005-2013

Task Force Membership, Introduction to the Practice Guideline for the Treatment of Patients with Obsessive-Compulsive Disorder, 2005-2012

Task Force Membership, Clinical Practice Guideline for the Assessment and Treatment of Patients with Post Traumatic Stress Disorder and Acute Stress Disorder, February 2006-2011

Task Force Membership, Clinical Practice Guideline for the Assessment and Treatment of Patients with Eating Disorders, March 2007-2013

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Task Force Membership, Clinical Practice Guideline for the Treatment of Patients with Panic Disorder, 2005-2013

Task Force Membership, Clinical Practice Guideline for the Treatment of Bipolar Disorder, September 2007-2013

Task Force Membership, Clinical Practice Guidelines for the Treatment of Patients with Obesity, 2005-2013

Task Force Membership, Clinical Practice Guideline for Patients with Attention Deficit/Hyperactive Disorder, August 2007-2012

Task Force Membership, Clinical Practice Guideline for the Treatment of Schizophrenia, January 2006-2011

Task Force Membership, Introduction to Magellan's Adopted Clinical Practice Guidelines for the Treatment of Children with Autism Spectrum Disorders, 2008-2012

Task Force Membership, Magellan Clinical Practice Guideline for the Assessment and Treatment of Generalized Anxiety Disorder in Adults 2008-2012

Presentations

1984 March: "Psychological Consequences of Nuclear Warfare"
Nebraska Psychiatric Institute (NPI) Grand Rounds

1984 June: "Psychological Consequences of the Nuclear Arms Race"
Omaha Physicians for Social Responsibility and Omaha Freeze

1985 March: Neuroendocrine investigation of Depression in Mentally Retarded Patients", NPI Grand Rounds

1985 December: "Holiday Depression" Radio Station KX92, Fort Dodge, IA

1985 December: "Antipsychotics, A Review" Public Health and School Nurses, Iowa Central Community College, Fort Dodge, IA

1986 January "Teenage Suicide" Prairie Community Schools, PTA, Callendar, IA

1987 April: "Seasonal Affective Disorder" Radio Station KWMT, Fort Dodge, IA

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1989 April: "Psychotropics" Workshop on the Mentally Ill Homeless, Ames, IA

1989 May: "Electroconvulsive Therapy" Iowa Methodist Medical Center Noon Conference, Des Moines, Iowa

1989 November: "Recognition and Treatment of Depression" Des Moines General Hospital Family Practice Residents, Des Moines, IA

1989 December: "Psychotropic, "A Review" Polk County Department of Human Services Social Workers, Des Moines, IA

1990 January: "Recognition and Treatment of Depression in the Primary Care Setting" American College of General Practitioners (Iowa Chapter) Mid-Winter Conference, Des Moines, IA

1990 October: "Psychotropic Medications" 1990 Mental Health Conference sponsored by the Alliance for the Mentally Ill of Iowa Inc., Community Support Program, Coordinators of Iowa, Iowa Coalition, and Iowa Department of Human Services, Des Moines, IA

1990 March/April: "Psychotic Disorders" and "Psychotropic Medications" Introduction to Mental Health: Workshop for Substance Abuse Providers and Others, Polk County Mental Health and Substance Abuse Agencies, Des Moines, IA

1991 April: "Depression in the Primary Care Setting", Hamilton County Medical Society, Webster City, IA

1991 May: "Depression", Pastoral Issues, Iowa Methodist Medical Center Clinical Chaplaincy Department, Des Moines, IA

1992 January: "Depression in the Primary Care Setting" TriCounty Medical Society, Osceola, IA

1992 October: "Anxiety Disorders" Lutheran Social Services, Des Moines, IA

1992 October: "Dual Diagnosis" First Step Chemical Dependency Program, Des Moines, IA

1992 November: "Biopsychosocial Psychiatry" Guest Speaker for class entitled Human Behavior in a Social Environment, University of Iowa Social Work Graduate Program (Drake Campus), Des Moines, IA

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1993 March: "Biological Theories and Treatment of Addiction" Guest speaker for class entitled, Theories of Addiction, Drake University, Des Moines, IA

1994 January: "Biological Basis of Behavior (As Related to Addiction)", Mercy First Step Recovery Center In-Service, Des Moines, IA

1994 May: "Electroconvulsive Therapy: Indications, Procedure, and Recovery" Mercy Franklin Center In-Service for Nursing, Technicians and Mental Health Professional Employees, Des Moines, IA

1994 October: "Depression: Symptoms and Treatment" National Mental Health Awareness Week, Mercy Franklin Center, Des Moines, IA

1994 December: "Psychotropic Medications" Polk County Department of Human Services Social Workers, Des Moines, IA

1995 January: "Use of Antidepressants" Polk County Pharmacy Association, Des Moines, IA

1995 February: "Antidepressants, Side Effects" Physicians and Providers of Fort Dodge, IA

1995 March: "Suicide and Depression" Stephens Ministry, Saint Augustine's Church, Des Moines, IA

1996 February: "How to Guarantee Access and Manage Utilization" (Co-Presenter with Phil Micali) The Public/Private Behavioral Healthcare Regional Winter Symposium, Saint Petersburg, FL

1996 February: "Mental Health Policy", panel discussion sponsored by Drake University Department of Public Administration, Des Moines, IA

1996 March: "Mental Health Management from a Clinical Perspective" presentation to Administrative Law Judges sponsored by the Iowa Department of Human Services, Des Moines, IA

1998 February: "The Managed Behavioral Care Perspective on Dual Treatment-Merit Behavioral Care Iowa Example" presentation at conference entitled Cost Effective Management of Dual Diagnosis Under Managed Care, West Palm Beach, FL

1998 May: "We Have Met the Enemy and It Is Us" luncheon presentation at the Paul W. Danforth Third Annual Symposium entitled

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“Metamorphosis of Managed Care Systems: Provider and Client Survival” sponsored by Eyerly-Ball Community Mental Health Center, Des Moines, IA

1998 June: “Case Management and Planning” presentation at Dual Diagnosis: Double Trouble, Iowa Psychiatric Nurses Association 1998 Summer Conference, Mason City, IA

1998 October: “Co-Morbidity: Mental Illness and Substance Related Disorders” Care Manager Training, Merit Behavioral Care of Iowa (MBCI), West Des Moines, IA

1999 July: “Dual Diagnosis of Mental Health and Substance Abuse” in-service, MBCI, West Des Moines, IA

2000 January: “Pharmacologic Algorithm for Treatment of Major Depression” Care Manager Training, MBCI, West Des Moines

2000 March: “Dual Diagnosis in Mental Health and Substance Abuse” Mercy Franklin Center, Des Moines, IA

2000 June: “Use of Antidepressants: Overview” Care Manager Training, MBCI, West Des Moines, IA

2001 October: “APA Practice Guidelines for the Treatment of Schizophrenia” presentation for Physician Advisor National Training Meeting, Teleconference for Magellan Behavioral Health

2001 October: “Addictions and Disability” presentation for Principal Insurance Care Reviewers, Underwriters, Occupational Therapy Specialists, Des Moines, Iowa

2002 June: “Optimizing Pharmacological Interventions in Depressive Mood Disorders” presentation for Iowa Pharmacy Association Annual Meeting, West Des Moines, Iowa

2002 September: “Alcohol/Drugs in the Workplace: Identifying the Problem” presentation for Iowa State Bar Association Labor & Employment Law Seminar, West Des Moines, Iowa

2003 April: “Substance Related Disorders (with a focus on detoxification)” presentation for Magellan Behavioral Care of Iowa, West Des Moines, Iowa

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2003 October: "Substance Related Disorders (with a focus on detoxification)" presentation to Iowa Plan providers via Iowa Cable Network, Johnston, Iowa

2004 May: "Roundtable discussion regarding antipsychotic prescribing in the Iowa Medicaid Program" sponsored by Iowa Psychiatric Society and the Iowa Medicaid Drug Utilization Review Commission, Emmetsburg, Iowa; Mount Pleasant Iowa; Johnston, Iowa

2004 August: "Medical Conditions that Mimic Mental Illness" presentation to Iowa Plan Care Managers, West Des Moines, Iowa

2004 October "Substance Abuse" presented to Des Moines Life and Health Conference (Case Managers, Adjusters for local Life & Health Insurers), Des Moines, Iowa

2005 May: "Methamphetamine" presentation to Iowa State Association of Counties CPCs and Case Managers, Ankeny, Iowa

2005 June: "Substance Abuse Treatment of Persons with Co-Occurring Disorders" presentation to Iowa Plan Care Managers, West Des Moines, Iowa

2006 May: "Clinical Practice Guideline for Schizophrenia (APA, TIMA, Magellan)" presentation to Magellan Clinical Staff, West Des Moines, Iowa

2006 June: "Clinical Practice Guidelines for the Treatment of Adults with Substance Abuse Disorders" presentation to Iowa Plan Provider Roundtable via ICN, Johnston, Iowa

2006 September: "Assessment Guidelines: Mental Health, Substance Abuse, and Need for Remedial Services" presentation via ICN to Iowa Plan Provider Roundtable, Johnston, Iowa

2008 April: "Assessing the Suicidal Patient" presentation to Iowa Plan Care Managers, West Des Moines, Iowa

2008 April: "Assessing the Suicidal Patient" presentation via ICN to Iowa Plan Provider Roundtable, Johnston, Iowa

2008 May: "Medications and Mental Illness" presentation to County Case Management Services Conference, Des Moines, Iowa

2008 August: "Understanding and using the ASAM PPC-2R" presentation to Nebraska Medicaid providers, Omaha, Nebraska

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2009 April: "Substance Abuse Treatment for Co-Occurring Disorders—TIP 42" presentation at the 32nd Annual Governor's Conference on Substance Abuse, Des Moines, Iowa

2010 March: "Magellan Medical Necessity Criteria-2010-Substance Use Disorders" presentation via Webinar to Magellan corporate-wide Clinical Staff

2010 April: "Medications for Substance Abuse" presentation at the 33rd Annual Governor's Conference on Substance Abuse, Des Moines, Iowa

2010 September: "Medications for Substance Abuse" presentation to Iowa MBC staff, West Des Moines, Iowa

2011 August: "Medication Assisted Treatment for Substance Use Disorders" via the Iowa Communications Network to statewide Substance Abuse Providers

2011 October: "Medication Assisted Treatment for Substance Use Disorders" to Iowa and Nebraska Magellan CMC staff

2014 February: "Drug Testing-Validating Success" to Iowa Pharmacy Association Pain Conference, Altoona, Iowa

2014 May: "Building a Recovery-Oriented System of Care," Addiction Professional sponsored panel discussion, West Des Moines, Iowa

2015 March: "An Update on Psychotropics" to Iowa Plan MBC Staff, West Des Moines, Iowa

2015 July: "Update on Opioids, MAT in Iowa" to Women & Children Provider Roundtable

2015 August: "Substance Related and Addictive Disorders," Des Moines University Physician Assistant class, Des Moines, Iowa

2016 April: "Substance Related and Addictive Disorders," Des Moines University Second Year Medical Student class, Des Moines, Iowa

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Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

a. Deana Schuplin, LMHC, ACADC

Deana Schuplin, LMHC, ACADC, Clinical Director at the Everest Institute in Urbandale

Contact information:

Deana Schuplin, LMHC, ACADC
Clinical Director, Everest Institute
schuplin@wadle-everest.com
515-440-1415

Below is her resume'.

LICENSURE

Licensed Mental Health Counselor	State of Iowa
Advanced Certified Alcohol and Drug Counselor	State of Iowa
Professional Clinical Counselor	State of Ohio

EDUCATION

B.S.W.	Social Work	Utah State University	1980
M.S.	Sociology	Utah State University	1982
M.Ed.	Counseling	Cleveland State University	1993

WORK HISTORY

1982-1983	Counselor Glenbeigh Hospital
1983-1998	Team Leader Lakeland Institute
1998-2006	Psychotherapist Behavioral Health Center - St John West Shore Hospital
2003-2006	Private Practice Silva & Schuplin Psychotherapy Ltd.
2006-2007	EAP Telos Occupational Services
2007-2010	Instructor Des Moines Area Community College
2009-present	Clinical Director - Everest Institute
2006-present	Private Practice Deana Schuplin, LMHC, LLC

TRAINING

1993-1995	Post Graduate Program Gestalt Institute of Cleveland
2001-2003	Psychoanalytic Psychotherapy Program Cleveland Psychoanalytic Center
2004-2006	Psychoanalytic Training Cleveland Psychoanalytic Center
2006-2012	Psychoanalytic Training Greater Kansas City Psychoana.Institute



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

- 1. Request Motion to Approve 3-year Term to the IMP3 Committee**
 - a. Jeff Reist, Faculty, University of Iowa College of Pharmacy
 - i. Jeff's service will satisfy the requirements of IAC 657-30.3(3)

Jeffrey C. Reist BS, PharmD, BCPS
Clinical Associate Professor
Department of Pharmacy Practice and Science
College of Pharmacy
University of Iowa
216 PHAR
Iowa City, Iowa 52242-112
Telephone (319) 335-6513, Fax, (319) 335-9349
Email address: jeffrey-reist@uiowa.edu

EDUCATIONAL AND PROFESSIONAL HISTORY

Education

The University of Florida College of Pharmacy, 2004-2007, Pharmacy, PharmD
August 2007

The University of Iowa College of Pharmacy, 1978-1982, Pharmacy, BS
Pharmacy May 1982

Muscatine Community College, 1977-1978, Pre-pharmacy, no degree

Professional Licensure

Licensed to practice pharmacy in the state of Iowa, August 1982-present

Professional and Academic Positions

Professional

Consulting Pharmacist, 2009-2015, University of Iowa College of Nursing House
Calls Faculty Practice

Clinical Pharmacist, June 2007-present, Geriatric Assessment Clinic, University
of Iowa Hospitals and Clinics, Iowa City, Iowa

Clinical Pharmacist, June 2007-August 2010, Anticoagulation Case Management
Service, University of Iowa Hospitals and Clinics, Iowa City, Iowa

Manager, January 1999- June 2003, Pharmacy Care Associates, A division of
Omnicare, Cedar Rapids, Iowa

Partner/Manager, June 1992 to January 1999, Pharmacy Care Associates, Cedar
Rapids, Iowa

Partner/Manager, April 1990 to June 1992, Claxton Pharmacy, Cedar Rapids,

Iowa

Staff Pharmacist, August 1985 to April 1990, Shepley Pharmacy, Mt. Vernon, Iowa

Staff Pharmacist, May 1984 to August 1985, Clark's West Pharmacy, Cedar Rapids, Iowa

Staff Pharmacist, May 1982 to May 1984, St. Luke's Hospital, Cedar Rapids, Iowa

Academic

Clinical Associate Professor July 2014 to present, University of Iowa College of Pharmacy, Iowa City, Iowa 52242

Clinical Assistant Professor January 2008 to June 2014, University of Iowa College of Pharmacy, Iowa City, Iowa 52242

Director of Pharmacy Practice Labs, January 2008 to present, University of Iowa College of Pharmacy, Iowa City, Iowa 52242

Instructor (Clinical) and Coordinator of Pharmacy Practice Labs, July 2003 to December 2007, University of Iowa College of Pharmacy, Iowa City, Iowa 52242

Adjunct Clinical Instructor, July 1995 to June 2003, University of Iowa College of Pharmacy, Iowa City, Iowa

Preceptor, 1985 to 1995, University of Iowa College of Pharmacy, Iowa City, Iowa

Honors, Awards and Recognition

Professional Honors and Awards

AANP Advocate State Award for Excellence, October 2013

Awarded by the American Academy of Nurse Practitioners annually to a dedicated nurse practitioner advocate in each state

Nominated by the House Calls Faculty Practice nurse practitioner team

Edna Stilwell Writing Award, May 2013

This Award by the publisher of the Journal of Gerontological Nursing is given to the "best article" published each year. The award was for the article "Improving Antipsychotic Agent Use in Nursing Homes: Development of an Algorithm for Treating Problem Behaviors in

Dementia.”

Teaching Honors and Awards

Teaching awards as nominated by students and selected by a committee of faculty at the University of Iowa College of Pharmacy

Collegiate Teacher of the Year 2015

Teacher of the Year 2012-2013

Collegiate Teacher of the Year 2010-2011

Teacher of the Year 2008-2009

Collegiate Teacher of the Year 2005-2006

Teacher of the Year 2003-2004

Preceptor of the Year 1992

Professional Recognition

Board Certified in Pharmacotherapy (BCPS) December 2008-present

Fellowship American Society of Consultant Pharmacists 1990-present

TEACHING AT THE UNIVERSITY OF IOWA

Teaching Assignments

Clinical Teaching

46:001 Introductory Professional Practice Experience I (IPPE I) Ambulatory Care rotation Preceptor 2009-2012

46:181 Advanced Professional Practice Experience (APPE) Family Medicine Rotation Preceptor 2007-present

46:136 Advanced Professional Practice Experience (APPE) Academic Rotation Preceptor 2006-present

46:192 Advanced Professional Practice Experience (APPE) Long-term Care Pharmacy Rotation Preceptor 1991-2003
Advanced Professional Practice Experience (APPE) Community Pharmacy Rotation

Preceptor 1985-1991

College of Pharmacy

Fall Semester of each academic year

PHAR 8130 Foundations of Pharmacy Practice I, Course coordinator and instructor Fall 2015-present
46:050 Pharmacy Practice Laboratory I (PPL I), teaching lab, course coordinator and instructor, Fall 2003-Fall 2014
46:116 Pharmacy Practice Laboratory III (PPL III), teaching lab, course coordinator and instructor Fall 2003-Fall 2009
46:116 Pharmacy Practice Laboratory III (PPL III), teaching lab, instructor Fall 2010-present
46:118 Pharmacy Practice Laboratory V (PPL V), teaching lab, course coordinator and instructor Fall 2003-Fall 2009
46:118 Pharmacy Practice Laboratory V (PPL V), teaching lab, instructor Fall 2010-present
46:115 Drug Literature Evaluation (Drug Lit), instructor, Fall 2008-Fall 2014

Spring Semester of each academic year

46:051 Pharmacy Practice Laboratory II (PPL II), teaching lab, course coordinator and instructor, Spring 2004-Spring 2015
46:117 Pharmacy Practice Laboratory IV (PPL IV), teaching lab, coordinator and instructor, Spring 2004-Spring 2010
46:117 Pharmacy Practice Laboratory IV (PPL IV), teaching lab, instructor, Spring 2011-present
46:119 Pharmacy practice Laboratory VI (PPL VI), teaching lab, course coordinator and instructor Spring 2004-Spring 2010
46:119 Pharmacy practice Laboratory VI (PPL VI), teaching lab, instructor Spring 2011-present
46:121 Substance Abuse (Sub Abuse), elective, instructor, Spring 2009-Present
46:155 Therapeutics Respiratory/Derm Module, instructor, Spring 2007-present
46:165 Therapeutics Psych Module, instructor, Spring 2007-present

College of Nursing

Spring and Fall Semesters

96:148 Gerontologic Nursing (Ger Nursing), instructor, Spring 2007-present

St. Ambrose University Physician's Assistant Program
Pharmacology Spring 2015

Table of Teaching Responsibilities Spring 2014-

Course	Spring 14	Fall 14	Spring 15	Fall 2015															
FPP I				X															
PPL I		X																	
PPL II	X		X																
PPL III		X		X															
PPL IV	X		X																
PPL V		X		X															
PPL VI	X		X																
Drug Lit		X																	
Sub Abuse	X		X																
Resp Ther	X		X																
Psych Ther	X		X																
Ger Nursing	X	X	X	X															
St. Ambrose			X																

Table of Teaching Responsibilities Fall 2003-Fall 2013

Course	Fall 03	Spring 04	Fall 04	Spring 05	Fall 05	Spring 06	Fall 06	Spring 07	Fall 07	Spring 08	Fall 08	Spring 09	Fall 09	Spring 10	Fall 10	Spring 11	Fall 11	Spring 12	Fall 12	Spring 13	Fall 13
PPL I	X		X		X		X		X		X		X		X		X		X		X
PPL II		X		X		X		X		X		X		X		X		X		X	
PPL III	X		X		X		X		X		X		X		X		X		X		X
PPL IV		X		X		X		X		X		X		X		X		X		X	
PPL V	X		X		X		X		X		X		X		X		X		X		X
PPL VI		X		X		X		X		X		X		X		X		X		X	
Drug Lit													X	X		X		X		X	
Sub Abuse								X		X		X		X		X		X		X	
Resp Ther								X		X		X		X		X		X		X	
Psych Ther								X		X		X		X		X		X		X	
Ger Nursing								X	X	X	X	X	X	X	X	X	X	X	X	X	X

Conferences and workshops attended to improve teaching abilities

1. NABP/AACP District 5 Annual Meeting, Fargo ND, August 2015
2. AACP Annual Meeting, National Harbor, MD, July 2015
3. ACCP Updates in Therapeutics, Rosemont, Ill, April 2015
4. CIC Meeting, Rosemont, Ill, January 2015
5. ACCP Annual Meeting, Austin, TX, October 2014
6. NABP/AACP District 5 Annual Meeting, Deadwood, SD, August 2014
7. AACP Annual Meeting, Grapevine, TX July 2014
8. APhA Annual Meeting, Orlando, FL, March 2014
9. AACP Annual Meeting, Chicago, IL July 2013
10. NABP/AACP District 5 Annual Meeting, Winnipeg, Manitoba Canada, August 2013
11. NABP/AACP District 5 Annual Meeting, Duluth, MN, Aug 2012
12. AACP Annual Meeting, Orlando, FL July 2012
13. ASCP Annual Meeting, Phoenix, AZ November 2011
14. Heartland PRN Conference, Rockford IL, September 2011
15. NABP/AACP District 5 Annual Meeting, Saskatoon, Saskatchewan, Aug 2011
16. AACP Annual Meeting, San Antonio, TX July 2011
17. Summer Teaching Seminar: Developing Effective Exam Questions, University of Iowa, June 2011
18. OSCEology conference, University of Toronto, Toronto, Canada June 2010
19. AACP Institute, Lansdowne, VA May 2010
20. ASCP Midwest Regional Meeting, Oakbrook, IL, July 2010
21. NABP/AACP District 5 Annual Meeting, Amana, IA Aug 2010
22. AACP Annual Meeting, Seattle July 2010
23. AACP Curricular Revision Institute, Scottsdale, AZ Sept 2009
24. NABP/AACP District 5 Annual Meeting, Omaha, NE, Aug 2009
25. AACP Annual Meeting, Boston, MA July 2009
26. NABP/AACP District 5 Annual Meeting, Fargo, ND, Aug 2008
27. AACP Annual Meeting, Chicago, IL July 2008
28. AACP Teachers Workshop, San Diego, CA July 2006, Training to enhance teaching in a college of pharmacy
29. APhA Self-care Institute, Baltimore, MD, June 2006, Training to enhance teaching of self-care topics in pharmacy education
30. OSCE-ology Conference, University of Toronto, Toronto, Canada June 2006
Participated in workshops on performance-based teaching, learning and assessment.
31. AACP Curriculum Conference May 2005, Lansdowne, VA, Participated as a team member from the College of Pharmacy in seminars and work sessions on curricular development
32. Non-prescription Medication Academy (NMA), Cincinnati, OH, September 2005,
Workshops on innovative approaches to teach self-care in pharmacy education
33. UCSF Cultural Competency Workshop, San Francisco, CA, August 2004, Workshops and seminars on incorporating cultural competency in pharmacy education
34. APhA Self-care Institute, Chicago IL, June 2004, Training to enhance teaching of self-care topics in pharmacy education
35. nTITLE participant, The U of I, Iowa City IA May 2004 , Advanced use of

- technology in teaching and web design
36. NExTT training seminar, The U of I, Iowa City IA, August 11-13, 2003, Using technology in the classroom

PROFESSIONAL PRODUCTIVITY

Invited Lectures and Conference Presentations

Presentations: National

1. **Reist J**, Improving Antipsychotic Appropriateness in Dementia Patients. American College of Clinical Pharmacy Annual Meeting, Austin, TX, October 2014
2. **Reist J**, Carnahan R. Improving Antipsychotic Use for Patients with Dementia. American Society of Consultants Annual Meeting, Phoenix, AZ, November 2011
3. **Reist J**, Catney C. "Incorporating Cultural Competency in Self-care Education". Non-prescription Medication Academy (NMA) Annual meeting, Cincinnati OH, September 2005.
4. Duba V, Harms L, **Reist J**, Kelly B, Kee V, Bloedel K. "Beyond the Counter; A collaborative Model between Pharmacists, Librarians & Information Technologists for Drug Information Delivery at Iowa." AACP Annual Meeting, Cincinnati, OH, July 10, 2005.

Presentations: Regional

5. **Reist J**, Wilson J, Smoking Cessation, A Clinician's Perspective. Progress in Cardiovascular, Pulmonary and Renal Medicine Conference. Iowa City, Iowa October 2015.
6. **Reist J**. Pain Management- One Key to Reducing Antipsychotic Use. Iowa Health Care Association Long-term Care Medical Directors and Pharmacists Annual Meeting. Des Moines, Iowa. July 17-19, 2015.
7. **Reist J**, Dobyns R. Management of Unintentional Weight Loss. Midwestern Conference on Health Care in the Elderly. Iowa City, Iowa. January 2015
8. **Reist J**. Improving Antipsychotic Use: Focus on Dementia Patients. Age Well Institute State of Geriatric Care Clinical Update Symposium. Jacksonville, Florida. November 8, 2014.
9. **Reist J**. Choosing Wisely: Don't Use Antipsychotics as First Choice to Treat Behavioral and Psychological Symptoms of Dementia. Unity Point Health Gerontology Conference. Des Moines, Iowa. October 2014.
10. **Reist J**. Choosing Wisely: Don't Use Benzodiazepines or other Sedative/Hypnotics

- in Older Adults as First Choice for Insomnia, Agitation or Delirium. Unity Point Health Gerontology Conference. Des Moines, Iowa. October 2014.
11. **Reist J, Dobyys R.** Point/Counter Point: "I need a Haldol Order on Mr. A".
Midwestern Conference on Health Care in the Elderly. Iowa City, Iowa. January 2014
 12. **Reist J.** Use of Medications in the Geriatric Patient. Iowa Nurse Practitioner Society Annual Meeting. Des Moines, Iowa. October 31, 2013.
 13. **Reist J.** As We Age: Medication Considerations for Patient Safety. Unity Point Health Gerontology Conference. Des Moines, Iowa. October 28, 2013.
 14. **Reist J.** Improving Antipsychotic Use: Focus on Dementia Patients. ABCM Corporate Nursing Conference and Retreat. Boone, Iowa. April 2013.
 15. **Reist J, Dobyys R.** Point/Counter Point: Dementia Medications. Midwestern Conference on Health Care in the Elderly. Iowa City, Iowa. January 2013.
 16. **Reist J.** Improving Antipsychotic Use: Focus on Dementia Patients. Telligon Conference on Building Strong Communities. Des Moines, Iowa. November 2012.
 17. **Reist J.** Medication Monitoring. University of Iowa College of Nursing Long-Term Care Conference, Iowa City, Iowa, October 2011.
 18. **Reist J.** Management of Pain. Iowa Health System Spring Pain Conference, Des Moines, Iowa, May 2011.
 19. **Reist J.** Update on Anticoagulation: Dabigatran. Midwest Geriatrics Conference, Iowa City, Iowa, January 2011.
 20. **Reist J.** Persistent Pain Management in the Older Adult. University of Iowa College of Nursing Long-term Care Conference, Iowa City, Iowa, November 2010.
 21. **Reist J.** Using OSCEs in Student Assessment. District 5 AACP/NABP annual meeting, Amana, Iowa, August 2010.
 22. **Reist J.** A Review of Psychotropic Medications. University of Iowa College of Nursing Long-term Care Conference, Iowa City, Iowa, November 2009.
 23. **Reist J.** Assessing PRN data. Heartland PRN conference, Des Moines, Iowa, September 2008.

Presentations: Local

24. **Reist J** Inappropriate Medication Use in the Elderly. University of Iowa Hospitals and Clinics NICHE Continuing Education Seminar. Iowa City, Iowa, November

2015.

25. **Reist J**, Peterson, N. Treatment of Pain in Patients with Dementia. University of Iowa Geriatric Lecture Series, Iowa City, Iowa, Sept 2014. On-line continuing education program
26. **Reist J**, Seyfer J, Kelly M. Substance Abuse in the Pharmacy Profession. College of Pharmacy Summer Teaching Seminar, Iowa City, Iowa. July 2012.
27. **Reist J**. Abrons, J. Changes in Medication Appropriateness with Age: The Beers Criteria. University of Iowa Carver College of Medicine Mini-Medical School, Iowa City, Iowa; April 2012.
28. **Reist J**. Seyfer J. Prescription Drug Abuse. Community Conference on Youth Substance Abuse, Vinton, Iowa, April 2012.
29. **Reist J**. Beers Criteria Update. University of Iowa College of Nursing Gerontological Nursing certificate program. Iowa City, Iowa; March 2012.
30. **Reist J**. Antipsychotic Monitoring. IA-ADAPT continuing education training video available on-line at:
<https://www.healthcare.uiowa.edu/IGEC/IAAdapt/Pharmacist/show?code=AntipsychoticMonitoring>, September 2011.
31. **Reist J**. Medications and Falls in Older Adults. University of Iowa Geriatric Lecture Series, Iowa City, Iowa, May 2011. On-line continuing education program
32. **Reist J**. Nursing Home Regulations and Psychotropic Medication Use. University of Iowa Geriatric Lecture Series, Iowa City, Iowa, December 2010. On-line continuing education program.
33. **Reist J**. A New Survey of State PRNs . Iowa Pharmacy Recovery Network annual meeting Iowa City, Iowa, November 2009.
34. **Reist J**, Harms L."PPL: An overview of the Pharmacy Practice Lab" CAP division faculty seminar, Iowa City, Iowa January 24, 2005.

Poster Presentations (Peer Reviewed Abstract)

35. Wittnebel H, Gean R, **Reist J**, Gillispie A, Meadow L, Quach D, O'Brien M, Renner A, Trent D, Manges K. Pills on Pills: An Inter-Professional Educational Simulation Exploring the Effects of Polypharmacy. Quality Improvement and Patient Safety Symposium, University of Iowa, Iowa City, Iowa; April 6, 2016.
36. **Reist J**. DeAnda A, Abrons J. Drug Information on Your Phone: Development and

Use of an Institution Specific Mobile Application to Access Drug Information Resources. American Association of Colleges of Pharmacy Annual Meeting, Kissimmee, FL, July 2012.

37. Carnahan R, Gryzlak B, Weckmann M, Kelly M, **Reist J**, Smith M, Lenocho S, Daly J, Levy B, Seydel L, Schultz S. Decisional aides to train non-psychiatrists in evidence based use of antipsychotics in dementia. Presented at the College of Psychiatric and Neurologic Pharmacists Annual Meeting, Tampa, FL; April 29-May 2, 2012.
38. Chang EH, Tien YY, Tang Y, **Reist JC**, Doucette WR. Prescribing patterns and predictors for heart failure therapy in elderly patients receiving home health care. American Pharmacists Association Annual Meeting, New Orleans LA; March 10, 2012
39. Carnahan R, Gryzlak B, Weckmann M, Kelly M, **Reist J**, Smith M, Lenocho S, Daly J, Levy B, Seydel L, Uhlenkamp L, Schultz S. Decisional aides to train non-psychiatrists in evidence based use of antipsychotics in dementia. Presented at the American Health Care Association/National Center for Assisted Living Quality Symposium, Houston, TX; Feb 23-24, 2012.
40. Weckmann M, Daly J, Gryzlak B, Kelly M, Lenocho S, Levy B, **Reist J**, Schultz S, Seydel L, Smith M, Carnahan R. Decisional aides to train non-psychiatrists in evidence based use of antipsychotics in dementia. Presented at the Academy of Psychosomatic Medicine Annual Meeting. Phoenix, AZ; November 16-20, 2011.
41. Patterson BJ, Witry MJ, Starry M, **Reist J**, Fravel M, Doucette WR. Doing Research as a Pharmacist: A Pharmacy Practice Laboratory Module for Student Pharmacists. American Association of Colleges of Pharmacy Annual Meeting, Seattle, WA. July 2010.
42. Fravel MA, Shaw R, Starry MJ, **Reist JC**. Audio Interdisciplinary Hospital Rounds to Teach Critical Thinking Skills: A Simulation in Listening. American Association of Colleges of Pharmacy Annual Meeting, Seattle, WA, July 2010.
43. Milavetz G, **Reist J**, Starry M, Fravel M. Introducing Pulmonary Function Tests in the Professional Practice Laboratory. American Association of Colleges of Pharmacy Annual Meeting, Boston, MA, July 2009.
44. Kee, VR, Bloedel K, Duba VK, **Reist JC**. Practice Makes Perfect: Increasing Students' Skills and Confidence in Searching the Literature. American Society of Health System Pharmacists Midyear meeting, Las Vegas, Nevada, December 2007.
45. McDonough RP, Ambrose A, Farris KB, Liu Y, Doucette W, **Reist J**. Comprehensive Medication Therapy Management Services: Identifying and Resolving Drug Therapy Issues in the Extended-Care Setting. Iowa Pharmacy Association Annual Meeting, Cedar Rapids,

Iowa, June 2006.

46. Britigan D, **Reist J**, Kee V. "Empowerment through collaboration in the classroom". Medical Library Association Annual Meeting, Washington DC. May 2004.

Poster Presentations (Non-peer Reviewed Abstract)

47. Carnahan R, Abrams MA, Weckmann M, Savage B, Daly J, Kelly M, Levy B, Mulhausen P, **Reist J**, Seydel L, Smith M, Raether R, Abrams E, Holland R, Schultz S. Development of a reader-friendly patient and family guide to facilitate shared decision making on antipsychotic use in dementia. Presented at the Health Literacy Iowa and New Readers of Iowa Conference, Des Moines, IA; April 13-14, 2012.
48. Fravel MA, **Reist JC**, Starry MJ. Self-Care Counseling Curriculum. Non-prescription Medication Academy (NMA) Annual meeting, September 2009.
49. Fravel M, **Reist J**, Starry M. Teaching Toward Topic: Non-prescription Medication Academy (NMA) Annual meeting, September 2008.
50. Philbrick AM, Faber AJ, Anderson EA, Carmody BR, Mascardo LA, Jacobsen RB, **Reist JC**, Newkirk EN, McDanel DL. Ask-Advice-Refer Significantly Increases Referrals to a Pharmacist Managed Smoking Cessation Clinic. Iowa Pharmacy Association Annual Meeting June 2008.
51. McDonough RP, Ambrose A, Farris KB, Liu Y, Doucette W, **Reist J**. Comprehensive Medication Therapy Management Services: Identifying and Resolving Drug Therapy Issues in the Extended-Care Setting. Iowa Pharmacy Association Annual Meeting, Cedar Rapids, Iowa, June 2006.
52. Farris K, **Reist J**, Andreski M. "Pharmacy Students Response to the Geriatric Medication Game". Midwest Pharmacy Administration Conference, Purdue University, July 2004.

Organized Conferences, Symposia and Workshops

53. Co-organizer, Cold Night Hot Topic Symposium, Opioid Use and Abuse Deterrent Strategies. January 2014, Iowa City Iowa.
54. Co-organizer, Cold Night Hot Topic Symposium, The Meningitis Disaster: How Compounding practices May Change the Roles and Responsibilities of Pharmacists. January 2013, Iowa City Iowa.
55. Co-Chair, District V NABP/AACP Annual Meeting, August 2010, Amana Iowa

Publications Peer-reviewed

1. Carnahan R, **Reist J**, Kelly M, Schultz S. Antipsychotic use in dementia. Clinical review on IA-ADAPT website. 2012 Available at: https://www.healthcare.uiowa.edu/IGEC/IAAdapt/document/Antipsychotic_Use_in_dementia.pdf.

Member of team which developed the decision aids tool kit and participated with dissemination of information through written documents and lectures and author and presenter of on-line CE training video

2. Carnahan R, Smith M, **Reist J**, Kelly M, Weckmann M, Gryzlak B, Lenocho S, Abrams M, Seydel L and Schultz S. Improving Antipsychotic Appropriateness in Dementia Patients. POGOe - Portal of Geriatric Online Education; 2012 Available from: <http://www.pogoe.org/productid/21209>.

My participation in this included providing lectures on antipsychotic use in dementia, participating in the development of decision aids, and participating in clinical review writing.

This educational website includes features, clinical reviews, and clinical decision aids developed by the authors for an AHRQ-funded project. To date, over 2500 people have registered for the website to access materials, including users from across the U.S. and other countries.

3. Smith M, Schultz SK, Seydel LL, **Reist J**, Kelly M, Weckman M, Gryzlak B, Carnahan R. Improving antipsychotic agent use in nursing homes: Development of an algorithm for treating problem behaviors in dementia. *J Gerontol Nurs* 2013;39; 24-35.

Member of team which developed the algorithm, decision aids, manuscript content reviewer and member of the team disseminating information through lectures and on-line CE program.

4. Harris AC, Doucette WR, **Reist JC**, Nelson KE. Organization and results of student pharmacist bone mineral density screenings in women. *J Am Pharm Assoc*. 2011;51;110-114.

Concept formulation, collection of data, assisted with writing and review of manuscript

5. Lee SS, Schwemm AK, **Reist JC**, Cantrell M, Andreski M, Doucette WR, Chrischilles EA, Farris KB. Pharmacists' and Pharmacy Students' Ability to Identify

Drug-related Problems Using TIMER (Tool to Improve Medications in the Elderly via Review). *AJPE* 2009; 73 (3)

Concept formulation, collection of data, assisted with writing and review of manuscript

6. Philbrick AM, Faber AJ, Farris KB, Anderson EA, Carmody BR, Mascardo LA, Jacobsen RB, **Reist JC**, Newkirk EN, McDanel DL. Ask-Advise-Refer Increases Referrals to a Pharmacist-Managed Smoking Cessation Group Clinic. *J Pharm Technol.* 2009;25:230-4.

Concept formulation, review of manuscript

7. **Reist J**, Catney C. "Discovering Long-term Care Pharmacy Practice: A PBL case for pharmacy students" Published by The National Center for Case Study Teaching in Science at the University of Buffalo, 2005, available at:
http://www.sciencecases.org/pharmacy_practice/pharmacy_practice_notes.pdf

Concept formulation, writing of manuscript

Publications Non Peer-reviewed

1. Witry, M. **Reist J**. Refill Counseling Dialogue Exercise. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2015 January. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Author, concept development
2. Ni, Charles. Meinert M. Dsouza S. **Reist J**. Collaboration of Student Pharmacists and Student Pharmacy Technicians in the Compounding of Sterile Parenteral Products. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2015 January. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Author, concept development
3. Matheson L. **Reist J**. Non-Sterile Compounding: Suppositories. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 August. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Co-Author, concept development
4. Matheson L. **Reist J**. Non-Sterile Compounding: Capsules. Active Learning Exercises [Internet]. Washington DC: American Pharmacists

- Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
5. Matheson L. **Reist J.** Non-Sterile Compounding: Powders.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
 6. Matheson L. **Reist J.** Non-Sterile Compounding: Semisolids-Ointments.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
 7. Matheson L. **Reist J.** Non-Sterile Compounding: Semisolids-Creams.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
 8. Matheson L. **Reist J.** Non-Sterile Compounding: Semisolids-Gels.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
 9. Matheson L. **Reist J.** Non-Sterile Compounding: Medicated Sticks.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development
 10. **Reist J.** Compounding: Proton Pump Inhibitor Suspension.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Author, concept development
 11. Matheson L. **Reist J.** Non-Sterile Compounding: Suspensions.
Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 April. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Co-Author, concept development

12. Starry M. **Reist J.** Boeding D. Whalen J. FRAX and the Achilles Express. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 February. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Author, concept development
13. Matheson L. **Reist J.** Non-Sterile Compounding: Solutions I. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 February. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Author, concept development
14. Matheson L. **Reist J.** Non-Sterile Compounding: Solutions II. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 February. Available from: <http://pharmacylibrary.com/> Active learning exercise.
15. Contribution: Author, concept development **Reist J.** Platt LT, Truong TD. Medication Reconciliation Using an Electronic Medical Record. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 January. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Author, concept development
16. **Reist J.** Duba V. Drug Information: Introduction to Basic Science Resources. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2014 January. Available from: <http://pharmacylibrary.com/> Active learning exercise.
17. Contribution: Author, concept development **Reist J.** Starry M. Fravel M. Pharmington Quizzes. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Primary Author, concept development
18. **Reist J.** Starry M. Fravel M. Sterile Compounding: Checking a TPN. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October. Available from: <http://pharmacylibrary.com/> Active learning exercise.
Contribution: Primary Author, concept development
19. **Reist J.** Milavetz G. Fravel M. Pulmonary Function Testing Using Spirometry. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October. Available from: <http://pharmacylibrary.com/> Active learning exercise.

Contribution: Primary Author, concept development

20. Starry M. **Reist J.** Immunization: Vaccine Handling and Storage. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Author, concept development
21. Starry M. **Reist J.** Documenting Pharmacy Errors. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Author, concept development
22. **Reist J.** Refill and Dispense a Prescription. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October.. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Author, concept development
23. **Reist J.** Vance C. Fravel M. Iontophoresis and Phonophoresis Demonstration. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 October. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Primary Author, concept development
24. **Reist J.** Harold N. Griffiths S. Fravel M. Controlled Substance Prescription Dispensing. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 September. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Primary Author, concept development
25. **Reist J.** Identifying Geriatric Drug Therapy Problems. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 September. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Primary Author, concept development
26. **Reist J.** Enteral Tube Demonstration. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 September. Available from: <http://pharmacylibrary.com/>
Active learning exercise.
Contribution: Primary Author, concept development

27. **Reist J.** Doucette W. Witry M. Adherence Counseling Using the Drug Awareness Work-up (DRAW) Tool. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
28. **Reist J.** Ernst M. Hoehns J. Starry M. Biostatistics: Calculating Risk Ratios and Number Needed to Treat (NNT). Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
29. **Reist J.** Smith R. Chronic Wound Care: Treatment Options and Medicare Reimbursement. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
30. Matheson L. **Reist J.** Compounding Camp: An Introduction to Non-Sterile Compounding. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
31. **Reist J.** Houmes S. Smith M. Drug Card Project. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
32. **Reist J.** Fill a Medication Box. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
33. **Reist J.** Introduction to Pharmacy Computer Dispensing System. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 September. Available from: <http://pharmacylibrary.com/>
34. **Reist J.** Starry M. Fravel M. Prescription Counseling Using the I.H.S. Method: Introduction. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
35. **Reist J.** Lookup and Counsel. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
36. **Reist J.** Kelly M. Medicare Part D: Finding a Drug Plan. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
37. **Reist J.** Glenn B. Smith A. Patient Interview of a New Patient (Group Activity). Active

Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>

38. **Reist J.** Glenn B. Smith A. Patient Interview of a New Patient (Individual Activity). Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
39. **Reist J.** Fravel M. Milavetz G. Peak Flow Meter and Asthma Action Plan. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
40. **Reist J.** Fravel M. Starry M. Prescription Counseling: Initial Counseling on a New Prescription with Faculty Feedback. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
41. **Reist J.** Receive Fill and Deliver a New Prescription. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
42. **Reist J.** Simmons N. Smoking Cessation Case Discussion. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
43. **Reist J.** Fravel M. Smoking Cessation Pharmacotherapy Counseling (Rx and OTC) Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
44. **Reist J.** Fravel M. Smoking Cessation One-liners. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
45. **Reist J.** Starry M. Sterile Compounding Unit One: Introduction to Parenteral Products. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
46. **Reist J.** Starry M. Sterile Compounding Unit Two: Using Drug Information Resources to Identify IV Incompatibilities. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
47. **Reist J.** Starry M. Sterile Compounding Unit Three: Visually Inspect Compounded Parenteral Products for Precipitates. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>

48. **Reist J. Starry M.** Sterile Compounding Unit Four: Working with Ampules and Vials. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
49. **Reist J. Starry M.** Sterile Compounding Unit Five: Gowning, Garbing, Hand Washing and Preparing the Hood. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
50. **Reist J. Starry M.** Sterile Compounding Unit Six: Interpretation and Processing of a Compounded Parenteral Medication Order. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
51. **Reist J. Starry M.** Sterile Compounding Unit Seven: Processing an Order for a Compounded Parenteral Product. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
52. **Reist J. Starry M.** Sterile Compounding Unit Eight: Preparation of a Compounded Parenteral Product. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
53. **Reist J. Starry M.** Sterile Compounding Unit Nine: Checking Compounded Parenteral Products. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
54. **Reist J.** Take a Patient Medication History. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>
55. **Reist J.** Take a Patient's Current Medication List and Complete Pocket Card. Active Learning Exercises [Internet]. Washington DC: American Pharmacists Association (US); 2013 August. Available from: <http://pharmacylibrary.com/>

Other Creative Work

1. Top 300 Pharmacy Drug Cards. McGraw Hill, 2012 Faculty Advisory Panel 2012-2013

Contribution: Reviewed medication reference cards for clinical content prior to publication

2. Big 10 CIC Performance Based Assessment (PBA) group:

Peer reviewed performance bases assessment (PBA)

Contribution: Leadership position involving the 8 Big Ten colleges of pharmacy working to develop a performance based assessment (PBA) for use in all member schools. I participated as the team leader of group which developed a PBA which was administered in three member schools (including Iowa) during 2013 spring semester. I wrote the Standardized Patient Training Manual for this PBA

3. Falls Prevention Toolkit: Review Medications. Iowa Geriatric Education Center. July 2011. Available on-line at <http://www.healthcare.uiowa.edu/igec/falls-prevention-toolkit/04-review-medications/>

On-line clinical practice resource

Contribution: Author of on-line resources to assess medication regimens for potential fall risk containing:

- Medication and Falls in Older Adults. On-line continuing education video program (see Reist CV Invited Lectures and Presentations #19)
- Does My Medication Put Me at Risk for medication-related Falls? Patient Handout to help patients evaluate their medication regimen for medications which may put them at risk for falls.

Grants and Contracts

1. Investigator (S Schultz PI) iShare Grant
2. Principle Investigator. Phase II Contact to provide University of Iowa Practice Skills Manual to APhA. August 2014-December 2014, \$2700.00. UI Contract # R2014120234
3. Investigator (Senior Editor) (B Sorofman PI). Pharmacy Library Active Learning Exercises Manual. American Pharmacists Association, March 2013 – March 2014, \$25,000 UI Contract G/P# 18833300 BR01
4. Investigator (R Carnahan PI). IA-ADAPT: Improving Antipsychotic Appropriateness in Dementia Patients, AHRQ 09/01/10-08/31/13, \$970,210 R18 HS019355
5. Investigator (R. Carnahan PI) , Extension Connection: Advancing Dementia Care for Rural and Hispanic Populations, PCORI, 05/01/2013-04/30/2016, \$1,149,179 No contract number provided

This project aims to conduct and evaluate a multicomponent intervention to improve antipsychotic medication use in older adults with dementia in rural settings, conduct a long-term evaluation of the effectiveness a previous educational intervention, and translate into Spanish and disseminate a training

program and toolkit to improve antipsychotic use in people with dementia.

6. Consultant (P Abramowitz PI), Iowa Veteran's Home Evaluation, April 2005, \$5000.

CLINICAL SERVICE

Consulting Clinical Pharmacist, May 2009-August 2015, University of Iowa College of Nursing House Calls Faculty Practice

Clinical Pharmacist, June 2007-present, Geriatric Assessment Clinic, University of Iowa Hospitals and Clinics, Iowa City, Iowa

Clinical Pharmacist, June 2007-August 2010, Anticoagulation Case Management Service, University of Iowa Hospitals and Clinics, Iowa City, Iowa

PROFESSIONAL, UNIVERSITY AND COMMUNITY SERVICE

Professional Service:

American Society of Consultant Pharmacists (ASCP)

Monitor Rx Advisory Board Member 2010

Regional Council member for Region 3 2010-2011

Core Curriculum Work Group member 2000

Practice Standards Steering committee member 1996-1997

Organizational Affairs Council Member 1994-1996

American Association of Colleges of Pharmacy (AACP)

Chair of District Five AACP/NABP Individual Study Grant committee 2011-2012

Immediate Past Chair Laboratory Instructors Special Interest Group (Lab SIG) 2011-2012

Reviewer for District Five AACP/NABP Individual Study Grant 2010-2011

Chair of the Laboratory Instructors Special Interest Group (Lab SIG) 2010-2011

Co-Chair District 5 AACP/NABP Annual Meeting 2010

Reviewer for District Five AACP/NABP Individual Study Grant 2009-2010

Chair-Elect of the Laboratory Instructors Special Interest Group 2009-10

Iowa Pharmacy Association

Long-term Care Advisory Group 2010-present

House of Delegates member 1997-2010, 2013

IPRN Committee Member and Volunteer 1998-present

Structural reorganization Task Force member 1996-1997

Long-term Care Task Force member 1995-1996

Leadership Pharmacy participant August 1990

Legislative committee member 1986-1988

Big Ten Committee on Institutional Cooperation (CIC)
Invited speaker for Assessment Group. Chicago, IL, January 2010
Leader and Member of Performance Based Assessment group January 2010-
present

Linn County Pharmacists Association
Vice President 1989-1992

Kappa Psi Pharmaceutical Fraternity
Grand Council Deputy (GCD) 2009-present

External Reviewer for Faculty Promotion-University Level
Reviewer for one candidate 2014
Reviewer for four candidates 2015

Manuscript Reviewer
Journal of the American Pharmacists Association (JAPhA)
2012 reviewed one article for publication

Currents in Pharmacy Teaching and Learning
2015 reviewed two articles for publication

Department/Division, College, and University Service

Departmental/Divisional

Clinical and Administrative Pharmacy Academic Committee Member 2006-2010
Clinical and Administrative Pharmacy TA Task Force member 2003-2004

College of Pharmacy:

Assessment Committee Member 2014-2015
Search committee chair for PPL Clinical Assistant Professor 2014
New Curriculum Implementation Committee member 2014
Teacher of The Year Committee member 2014
Teacher of the Year Committee chair 2012
Teacher of the Year Committee member 2007, 2010
Curriculum Revision Task Force member 2009-2014
College Representative District Five AACP/NABP Annual Meeting 2008-present
Curriculum Committee member 2008-2009
Kappa Psi Pharmaceutical Fraternity Co-GCD 2008-present
Search committee chair for PPL technician 2008, 2010, 2013
Search committee chair for PPL Assistant Professor 2008
Advisory council member for Curricular Initiatives for Local/Global Pharmaceutical Care
and Pharmaceutical Management Disparities 2006-2007
Assessment Committee Member 2007-2008

College of Pharmacy student influenza vaccination clinic organizer 2006-present
P-4 Assessment day committee member 2006, 2007
Search committee chair for PPL Clinical Instructor 2006-2007
Public Seminars Planning Group member 2006-2007
Diversity Committee member 2006-2007
Disaster Recovery Team member 2006
Kappa Psi Conclave Keynote Speaker October 2007
Student Mentor Program volunteer mentor 2006-Present
Faculty delegate to AACP annual meeting, July 2006
Kappa Psi Conclave attendant April 2004, October 2007, October 2011
Faculty representative on P-3 class trip to Eli Lilly January 2004
Faculty advisor to assure student adherence with substance abuse policy 2003-present
UIPRN Committee Member, July 2003-present
Admissions Committee Member 2004-2005
IT committee Chair August 2005-2008
IT committee member August 2003-2008
White Coat Ceremony coater, 2003, 2005-2009

University of Iowa:

Critical Mass Advisor 2011-2014
Architect Planning Group for New Pharmacy Building January 2012-Present
Architect selection committee member for new Pharmacy Building January 2012
College of Medicine Clinical Beginnings Discussion Leader June 2011-Present
Search committee Member University of Iowa Provost 2010-2011
UI Faculty Senate Council member 2008-1011
UI Faculty Senate member 2008-2011
Search committee member for Director of Hardin Library 2006
Pharmaceutical Enterprise Consultant Team Member Iowa Veterans Home April 2005
University of Iowa Focus Group on e-learning October 2003-February 2004

Community Service:

DMAT Volunteer, Linn County Iowa, June 2008
Volunteered with the DMAT serving Linn County Iowa during the flood of June 2008. Assisted with medication selection and distribution for two Red Cross Emergency Shelters over a 10 day period. Dr. Thomas Benzoni DO, Supervising Physician.

Linn Health Services Program, Linn County Iowa, 1991-2003
Pharmacist representative to a county medical assistance program



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

- a. Renae Chestnut, Dean, Drake College of Pharmacy
 - i. Renea's service will satisfy the requirements of IAC 657-30.3(2)

RENAE J. CHESNUT
Dean
College of Pharmacy & Health Sciences
Drake University

CURRICULUM VITAE

OFFICE ADDRESS

**Drake University College of Pharmacy
and Health Sciences**
2507 University Ave.
Des Moines, Iowa 50311
Phone: 515-271-2883
Fax: 515-271-4171
Email: renae.chesnut@drake.edu

HOME ADDRESS

6460 Theresa Dr.
Johnston, IA 50131
Phone: 515-276-2917

Iowa Pharmacist License # C-16604

EDUCATION

Doctor of Educational Leadership (Ed.D.), Drake University. September 1998
Dissertation: *Current Practices and Anticipated Changes in Quantitative and Qualitative Admission Information Sources for Entry-level PharmD Programs*

Specialist (Ed.S.) in Education, Higher Education Administration, Drake University. May 1996

Masters of Business Administration (M.B.A.), Drake University. August 1985
Research Project: *DRG Effects on Iowa Hospital Pharmacies and Impact on Staffing*

Bachelor of Science (B.S.) in Pharmacy, Drake University, May 1985
Magna Cum Laude

PROFESSIONAL EXPERIENCE

Feb. 2016 - present Drake University College of Pharmacy and Health Sciences, Des Moines, IA
Dean
Professor of Pharmacy Practice

June 2015 - Jan. 2016 Drake University College of Pharmacy and Health Sciences, Des Moines, IA
Interim Dean
Professor of Pharmacy Practice

June 2011 - 2015 Drake University College of Pharmacy and Health Sciences, Des Moines, IA
Associate Dean for Academic and Student Affairs
Professor of Pharmacy Practice

June 2004 - 2011 Drake University College of Pharmacy and Health Sciences, Des Moines, IA
Associate Dean for Academic and Student Affairs
Associate Professor of Pharmacy Practice

June 1998 - May 2004 Drake University College of Pharmacy and Health Sciences, Des Moines, IA
Assistant Dean for Student Affairs
Assistant Professor of Pharmacy Practice

Nov. 1993 - May 1998 Drake University, College of Pharmacy and Health Sciences, Des Moines, IA
Director of Student Services
Instructor of Pharmacy Practice

July 1985 - Nov. 1993 Eli Lilly & Co., Indianapolis, IN
 Pharmaceutical Sales Representative, Des Moines South
 Managed Care Representative, 1993
 Triad Leader/Trainer for Des Moines South Territory, 1992-1993
 Mentor for New Representatives in Chicago South District, 1992-1993
 Computer Training Workshop Assistant, 1993

PROFESSIONAL DEVELOPMENT

Division I Faculty Athletics Representatives Institute, Indianapolis, IN, 2012
Pharmacists Mutual Leadership Conference, Austin, TX, 2010
Experiential Classroom X, Delegate & USASBE Scholar, Oklahoma Stat University, 2009
AACP Leadership Fellows Program, American Association of Colleges of Pharmacy, 2005-2006
Developing Excellence: Making the CASE for Support, Council for the Advancement and Support of Education, American Association of Colleges of Pharmacy, 2003
National Academic Advising Association Advising Institute, 1999
American Council on Pharmaceutical Education Intern - 1996-97

- Survey of pharmacy programs regarding admission practices

Simpson College President's Office Intern, 1996

- Statistical analysis of faculty salaries by gender
- Roundtable sessions with staff regarding human resource policies
- Attendance at cabinet meetings
- Preparation of materials for Board of Trustee meeting

Drake University, Student Financial Planning Intern, 1996

- Development of Electronic Policies/Procedures Manual
- Survey of students to determine cost of attendance

Tri-State Young Pharmacists Leadership Conference, 1994
Eli Lilly & Company

- Conflict Management, 1992

- Negotiating to Yes, 1989
- Dale Carnegie Sales Course, 1988
- Group Presentations, 1987
- Social Styles Workshop, 1986

TEACHING – DRAKE UNIVERSITY

Required Courses

Course number/name	Semesters taught	Credits	Number of students/sem.	Program
HSCI 020 – Issues in Health Sciences I	Summer 2012, Jterm 2012 Fall 2010 - 2014	1.5	60-75	Health Sciences
PHAR 007/071 – CAPS IV (previously Deans Hour IV)	Spring 1998- Spring 2015	0.5	100-200	PharmD
PHAR 005/051 – CAPS III (previously Deans Hour III)	Summer 1999 - 2002, Fall 1997-1999, 2001-Spring 2015	0.5	100-200	PharmD
PHAR 003/031 – Deans Hour II	Spring 1997-2003	0.5	100-200	PharmD
PHAR 001/011	Fall semesters 1996-99, 2001-2003	0.5	100-200	PharmD
PHAR 216 – Communication/Teaching Colloquium	Spring 2000	2.0	72	Track-in PharmD
PHAR 001 – Orientation to Pharmacy	Fall 1994, 1995	1.0	80-100	BS Pharmacy

Elective Courses

Course number/name	Semesters taught	Credits	Number of students/sem.	Program
LEAD 110 – Leadership @ Sea	Jterm 2015	3.0	20	LEAD Conc.
HSCI 164 – Topics in Health Sciences	Fall 2013	3.0	1	Health Sciences
PHAR 164 – Topics in Pharmacy (Ind. Study)	Jterm 2013	1.0	4	PharmD
MSLD 283 – The College	Spring 2015	3.0	6	MS

Student				Leadership Develop.
ALOP 282 – The College Student	Spring 2012, 2013, 2014	3.0	6-11	MS - Adult Learning & Org. Perf.
PHAR 150 – Community Pharmacy Ownership	Spring 2011	1.0	17	PharmD
PHAR 150 – Shaping Your Pharmacy Future	Spring 2008	3.0	5	PharmD
PHAR 128 – Developing Skills in Diabetes Management (WWW – coordinator)	Spring semesters 2003-present; Fall semesters 2002-2014	3.0	5-16	PharmD
PHAR 117 – Shaping Your Pharmacy Future (co-taught with B. Tice)	Spring 2001, 2002, 2003	3.0	8-11	PharmD
PHAR 126 – Nutritional Principles (WWW) (co-taught with Christa Hanson)	Summers 2000, 2001, 2002	2.0	15-22	PharmD
PHAR 128 – Advanced Diabetes Care (co-taught with J. Johnson/ B. Tice)	Fall 2000, 2001	3.0	5-10	PharmD
Phar 191-316 – Developing Diabetes Patient Services	Fall semesters 1994-1999	1.0	25-38	BS in Pharmacy
FYS 44 – Cheating: An Honest Look at Academic Integrity (co-taught with B. Fassett)	Fall 1998	3.0	20	Drake General Education Curriculum

Experiential/Continuing Education

Course number/name	Semesters taught	Credits	Number of students/yr.	Program
PHAR 285 – Academic Rotation	AY 97-98 to 14/15	5.0	5-7	PharmD
Developing Skills in Diabetes Management (coordinator; various modules)	Summer terms 1997-1992	2.5 CEU	8-44	

GRANTS AND EXTERNAL FUNDING

Target, \$1500. Next Top Entrepreneur Competition (2015-16) (coordinator).

Target, \$3000. Next Top Entrepreneur Competition (2014-15) (coordinator).

Pharmacists Mutual, \$5,000. Internship Program for Independent Pharmacy (2014-2015). (coordinator)

McKesson, \$20,000. Internship Program for Independent Pharmacy (2014-2015). (coordinator)

Target, \$3,000. Community Service Support Projects for Pharmacy Students (2013). (coordinator).

Pharmacists Mutual, \$5,400. Internship Program for Independent Pharmacy (2012-2013). (coordinator)

McKesson, \$10,000. Internship Program for Independent Pharmacy (2012-2013). (coordinator)

US Bank, \$5,000. Next Top Entrepreneur Competition (2011-2012). (coordinator)

Target, \$8,000. Community Service Support Projects for Pharmacy Students (2010, 2012). (coordinator)

National Association of Chain Drug Stores (NACDS), \$20,000. Internship Program Partnering Pharmacy Student with Chain Pharmacy Entrepreneurs (2009-2011). (primary investigator).

National Collegiate Inventors and Innovators Alliance (NCIIA), \$29,000. Development of a Cross-Disciplinary Program of Study: Entrepreneurial Leadership in Pharmacy (2006-2008). (co-investigator with Deb Bishop).

Community Pharmacy Foundation, \$40,000. Advancing Pharmacy through the Development of Entrepreneurial Leadership. 2006-2007 (co-investigator with B. Tice, et al.)

Institute for the Advancement of Community Pharmacy, \$150,000. Shaping Your Pharmacy Future Program for Pharmacy Students and Pharmacists, 2001-2003 (co-investigator with Brad Tice).

Eli Lilly & Co., Diabetes Care Certificate Program for American Drug Store Pharmacists, \$17,000, 1996 (co-investigator with Phil Levine).

Hy-Vee, Inc., Developing Skills for Diabetes Care, Certificate Program for 70 Hy-Vee Pharmacists, \$31,300, 1999 (primary investigator).

Drake University, Undergraduate Assistantship for Course Assistance, \$5040, 1997-2003 (primary investigator).

Eli Lilly & Co., Student Leadership Conference, Program for Drake and University of Iowa pharmacy students, \$45,000, 1995-2003 (investigator).

PEER-REVIEWED PUBLICATIONS/ABSTRACTS

Duncan W., Bottenberg, M., Chase M., **Chesnut R.**, Clarke C., Schott K., Torry R., Welty T. Toward Cost Containment of Pharmacy Education: An Industrial Engineering Approach, American Journal of Pharmacy Education, 2015; 79 (9) Article 131. (<http://www.ajpe.org/doi/full/10.5688/ajpe799132>).

Chesnut R., Tran-Johnson J. Impact of a student leadership development program. American Journal of Pharmacy Education, 2013; 77(10): Article 225. (Leadership Special Issue) <http://www.ajpe.org/doi/full/10.5688/ajpe7710225>

Ryan, G., **Chesnut, R.**, Odegard, P, Dye, J., Haomiao J., Johnson, J. Diabetes Care Practice Patterns of Recent Pharmacy Graduates, Journal of Pharmacy Practice 2012; <http://jpp.sagepub.com/content/early/2012/04/25/0897190012442221.full.pdf+html>.

Ryan, G., **Chesnut, R.**, Odegard, P., Dye, J., Haomiao J., Johnson, J. The impact of Diabetes Concentration Programs on Pharmacy Graduates' Provision of Diabetes Care Services, American Journal of Pharmacy Education 2011; 75 (6), Article 112.

Ryan, G., **Chesnut, R.**, Odegard, P, Johnson, J. Practice of new pharmacists following a diabetes-emphasis curriculum versus general pharmacy education, American Journal of Pharmacy Education 2011 (abstract).

Chesnut, R., Phillips, C., Rospond, R., Soltis, D., Stelter, N. Description and Evaluation of Entrepreneurial Leadership Internships for Student Pharmacists, American Journal of Pharmaceutical Education 2010 (abstract).

Chesnut, R., Sullivan, T. Pharmacy Student Entrepreneurial Orientation (PSEO) Scale: Developing a Baseline Measurement and Comparison. American Journal of Pharmaceutical Education 2010 (abstract).

Phillips, C., **Chesnut, R.**, Haack, S., Rospond, R., Schirmer L., Schott K., Soltis, D., Torry, R. Preparing for Accreditation Under ACPE Standards 2007: Garnering Widespread Involvement, American Journal of Pharmaceutical Education 2010; 74 (2) Article 30.

Chesnut, R., Soltis, D., Soltis R. Description and Evaluation of Drake's Next Top Entrepreneur Competition. American Journal of Pharmaceutical Education. 2009, 73 (4) Article 57 (abstract).

Chesnut, R., DeWitt, J., Swain S., Roberts, A. Development of a Legislative and Public Policy Internship for Pharmacy Students. American Journal of Pharmaceutical Education. 2009, 73 (4) Article 57 (abstract).

Plake, K, **Chesnut R.**, Odorzynski, M. (2007) Barriers to Community Pharmacists' Provision of Diabetes Care Services in Iowa. Journal of Pharmacy Technology, 2007;23:327-38.

R. Chesnut, L. Pedersen, D. Soltis. (2007). The Need for Entrepreneurial Leadership in Pharmacy- A Review of Findings from Two Surveys. American Journal of Pharmaceutical Education 2007; 71 (3) Article 60 (abstract).

Phillips, C., **Chesnut, R.**, Rospond, R. (2004) The California Critical Thinking Instruments for Benchmarking, Program Assessment and Directing Curricular Change. American Journal of Pharmaceutical Education, 68(4); article 101.

Plake, K., **Chesnut R.**, (2003) Impact of a Diabetes Certificate Program on Pharmacists' Diabetes Care Activities. American Journal of Pharmaceutical Education, 67(4): article 116.

Johnson J, **Chesnut R**, Tice B. (2003) An Advanced Diabetes Care Course as a Component of a Diabetes Concentration. American Journal of Pharmaceutical Education. 67(1): article 21.

Plake, K., **Chesnut R.**, (2002) Evaluation of a Diabetes Certificate Program. American Journal of Pharmaceutical Education, 66:107S (abstract).

Johnson, J.F., **Chesnut, R**, Tice, B (2001), An Advanced Diabetes Care Course Within a Diabetes Concentration: Pedagogy and Assessments. American Journal of Pharmaceutical Education, 65:91S (abstract).

Chesnut, R, Phillips, C (2000). Current Practices and Anticipated Changes in Academic and Nonacademic Admission Sources for Entry-Level PharmD Programs, American Journal of Pharmaceutical Education, 64(251-259).

Chesnut, R. (1999). Personal SOAP Notes: The Use of a Health Care Professions Tool for Pharmacy Students. American Journal of Pharmaceutical Education, 63, 83S (abstract).

Chesnut, R., McDonough, R., Moulton, J (1997). Student Leadership Conferences: A Collaborative Approach Framework for State Associations and Colleges of Pharmacy, American Journal of Pharmaceutical Education, 61, 98S (abstract).

PUBLICATIONS/ABSTRACTS

Chesnut, R. (2015). Designing and Implementing Curricular Tracks. American College of Clinical Pharmacy Academy Teaching and Learning Newsletter: Volume 8 Issue 1.

MacLean, L., Brazeau, G., **Chesnut, R.**, Erstad B., Gant, K., Pitman, E., Johnson, J., Musselman, J., Bradley-Baker, L. (2013). Report of the 2012-2013 Professional Affairs Committee: Tables of Influence—Is Pharmacy Hungry Enough? American Journal of Pharmaceutical Education: Volume 77, Issue 10, Article S21. <http://www.ajpe.org/doi/full/10.5688/ajpe7710S21>.

Chesnut, R. (2011). Time to Launch! Iowa Pharmacy Journal, April/May/June (President's Editorial).

Chesnut, R. (2010). Time to Recharge Your Battery? Iowa Pharmacy Journal, Jan/Feb/March (President's Editorial).

Kjos, A., Miesner, A., **Chesnut, R.**, Use of Laptops and Other Technology in the Classroom: Letter to the Editor. American Journal of Pharmaceutical Education, 2010; 74 (8) Article 152.

Chesnut, R. (2011). A Winning Combination! Iowa Pharmacy Journal, Oct/Nov/Dec (President's Editorial).

Chesnut, R. (2010). Innovation: Involve, Inspire, Initiate. Iowa Pharmacy Journal, July/Aug/Sept (President's Inaugural Address).

Chesnut, R., Dunn, S. (2009). Heroes of Pharmacy Book Review. American Journal of Pharmaceutical Education, 2009; 73 (4) Article 75. (book review).

Robinson, R. (Chair), **Chesnut, R.** (2008), Copeland, D., Dawson, K., Haines, S., Jastram, Robb McGory, C., Romanelli, F., Tahir, R., and Flynn, A. Report of the 2007–2008 Professional Affairs Committee. American Journal of Pharmaceutical Education: Volume 72, Issue 6, Article S5.

Chesnut, R. (2000). Ways of Thinking, Ways of Teaching Book Review (Hillocks, G). American Journal of Pharmaceutical Education, 64(333-4) (book review).

Hertko, E., Crandall, S., numerous authors including **Chesnut, R.** (2000). Chapter 3 Diabetes. In Healthy Iowans 2010, Chairs: McGuire Riggs, S., Christopher G. Atchison, C.G. Iowa Department of Public Health.

Chesnut, R., Reynolds, J., (1999). History of Drake University College of Pharmacy and Health Sciences, American Journal of Pharmaceutical Education, 63, 102S (abstract).

PEER-REVIEWED POSTERS/PRESENTATIONS

Pedagogy and Assessment Strategies in Student Leadership Development, D Fuentes, R Chesnut, L Schlesselman. American Association of Colleges of Pharmacy, Washington DC; July 2015.

Determining perceived stress levels, triggers, and coping mechanisms for faculty, students, and staff. C. Phillips, R. Chesnut, Grapevine, TX; July 2014 (poster).

Description and Evaluation of Entrepreneurial Leadership Internships for Student Pharmacists. R. Chesnut, C. Phillips, R. Rospond, D. Soltis, N. Stelter, American Association of Colleges of Pharmacy, San Antonio; July 2011 (poster).

Practice of new pharmacists following a diabetes-emphasis curriculum versus general pharmacy education, IG. Ryan, R. Chesnut, P. Odegard, J. Johnson. American Association of Colleges of Pharmacy, Seattle; July 2010 (poster).

Pharmacy Student Entrepreneurial Orientation (PSEO) Scale: Developing a Baseline Measurement and Comparison. R. Chesnut, T. Sullivan, American Association of Colleges of Pharmacy, Seattle; July 2010 (poster).

Description and Evaluation of Drake's Next Top Entrepreneur Competition, R. Chesnut, D. Soltis, R. Soltis, American Association of Colleges of Pharmacy, Boston; July 2009 (poster).

Development of a Legislative and Public Policy Internship for Pharmacy Students. R. Chesnut, J. DeWitt, S. Swain, A. Roberts, American Association of Colleges of Pharmacy, Boston; July 2009 (poster).

Combining Students and Practitioners in an Ownership Course/Management Program. R. Chesnut. United States Association of Small Business and Entrepreneurship; San Antonio, Feb. 2008 (presentation).

The Need for Entrepreneurial Leadership in Pharmacy- A Review of Findings from Two Surveys. R. Chesnut, L. Pedersen, D. Soltis. American Association of Colleges of Pharmacy; Orlando, July 2007 (poster).

Combining Students and Practitioners in an Ownership Course/Management Program. R. Chesnut, B. Tice. United States Association of Small Business and Entrepreneurship, Orlando; Jan. 2007 (workshop presentation).

Entrepreneurial Leadership in Pharmacy. R. Chesnut, L. Pedersen, D. Soltis. United States Association of Small Business and Entrepreneurship. Orlando; Jan. 2007 (presentation).

Entrepreneurial Leadership: Your Compass for Navigating the Future. B. Tice, R. Chesnut. American Association of Colleges of Pharmacy. San Diego; July 2006 (presentation).

Evaluation of a Diabetes Certificate Program. Plake, K., **Chesnut R.** American Association of Colleges of Pharmacy, Kansas City; July 2002 (poster).

An Advanced Diabetes Care Course Within a Diabetes Concentration: Pedagogy and Assessments. J. Johnson, **R. Chesnut**, B. Tice. American Association of Colleges of Pharmacy, Toronto, Canada; July 2001 (poster).

Personal SOAP Notes: The Use of a Health Care Professions Tool for Pharmacy Students. **R. Chesnut.** American Association of Colleges of Pharmacy, Boston; July 1999 (poster).

Conflict Management Skills for Educators, **R. Chesnut**, J. Simon, Iowa Peace Institute Conference; May 1998.

SOAP Notes for Life: The Use of a Health Care Professional Tool for Advisees, **R. Chesnut.** National Academic Advising Association NorthCentral Region 6 Conference; April 1998.

Creating Synergy: Conflict Management Skills for Women, **R. Chesnut**, J. Simon, Way Up XV: A Conference for Women in Higher Education; October 1997.

Show Me: The Quest for a Quality Computerized Degree Audit, **R. Chesnut**, M. Davidson, J. Bender, National Academic Advising Association Annual Meeting, Kansas City; October 1997.

Student Leadership Conferences: A Collaborative Approach for State Associations and Colleges of Pharmacy, **R. Chesnut**, R. McDonough, J. Moulton, American Association of Colleges of Pharmacy, July 1997 (poster).

The Quest for a Quality Computerized Degree Audit, **R. Chesnut**, J. Bender, M. Davidson, Academic Advising Association North Central Region 6 Conference; April 1997.

INVITED PRESENTATIONS/WORKSHOPS

Infusing Energy into Your Work: The PATH to Leadership Success. **R. Chesnut**, Iowa Pharmacy Association and Pharmacy Society of Wisconsin Leadership Academy; Nov. 2015 (webinar).

Infusing Energy into Your Work: Post Leadership Conference Words of Wisdom. **R. Chesnut**, J. Kirchner. Iowa Pharmacy Association and Pharmacy Society of Wisconsin Leadership Academy; Dec. 2014 (webinar):
<https://attendeegotowebinar.com/recording/3360345391907677697>.

Successful Design and Implementation of Focused Educational Tracks: Design and Implementation of a Curricular Track. **R. Chesnut**, American College of Clinical Pharmacy Annual Meeting, Austin, TX; Oct. 2014.

Admissions Workshop: Interview Practices, Logistics & Activities. **R. Chesnut**, J. Altschaf, D. McCaffrey. American Association of Colleges of Pharmacy Annual Meeting, Grapevine, TX; July 2014.

The Power of Collaboration: Best Practices in Teaching. **R. Chesnut**, Western New England, Law and Business Center for Advancing Entrepreneurship, Sixth Annual Academic Conference-The Entrepreneurial University, Springfield, Massachusetts; Oct. 2011.

Developing Your Leadership Story. **R. Chesnut**, Pharmacy Leadership Conference, Galena, IL; August 2010, 2011.

Innovation: Involve, Inspire, Initiate. **R. Chesnut**, Iowa Pharmacy Association Annual Meeting President's Inaugural Address, Des Moines; June 2010.

The PATH to the Final 4: Granberg Leadership Lecture. **R. Chesnut**, Drake University Student Leadership Development Series, Des Moines; April 2010.

Customer Service for Pharmacy Technicians. **R. Chesnut**, Iowa Pharmacy Association Pharmacy Technician Forum, Des Moines; April 2009.

Pharmacy Customer Service. **R. Chesnut**, Hy-Vee Annual Meeting, Des Moines; May 2009.

Weaving Entrepreneurial Education Throughout the Pharmacy Curriculum (The Real and Hidden Curricula). **R. Chesnut**, A. Traynor, American Association of College of Pharmacy Interim Meeting; Feb. 2008.

Entrepreneurial Leadership Competitions at Drake University. **R. Chesnut**, United States Association of Small Business and Entrepreneurship, San Antonio; January 2008.

PCAT Webinar: Understanding PCAT Scores. D. Meghar, L. Ross, G. Brazeau, **R. Chesnut**, American Association of Colleges of Pharmacy; Sept. 2007.

Developing an Entrepreneurial Leadership Concentration for PharmD. Students. **R. Chesnut**, D. Bishop. American Association of Colleges of Pharmacy. Special Session, Orlando; July 2007.

The Need for Entrepreneurial Leadership in Pharmacy- A Review of Findings from Two Surveys. **R. Chesnut**, L. Pedersen, D. Soltis. Iowa Pharmacy Association; June 2007 (poster).

Drake's Next Top Entrepreneur Competition: An Examination of Assessments Encompassing the Competition. **R. Chesnut**, L. Pedersen, D. Soltis, R. Rospond. Iowa Pharmacy Association; June 2007 (poster).

Pharmacist Professionalism: Your Secret Weapon. **R. Chesnut**, Food Marketing Institute National Meeting, Chicago; May 2007.

Entrepreneurial Leadership: Your Compass for Navigating the Future, **R. Chesnut**, American Association of College of Pharmacy, Special Session, San Diego; July 2006.

Pharmacist Professionalism: Your Secret Weapon. **R. Chesnut**, Hy-Vee Annual Pharmacy Meeting, Des Moines; March 2006.

Honor codes and school-wide policies/awards and scholarships. **R. Chesnut**, Roundtable co-facilitator with Bruce Berger, Auburn, American Association of Colleges of Pharmacy Annual Meeting – Professionalism Program, Minneapolis, MN; July 2003.

Which Blood Glucose Meter is Best for my Patient? **R. Chesnut**, Iowa Pharmacy Association Expo Meeting; Jan. 2001.

Literature Review of Health Care Admission Assessment Practices. **R. Chesnut**, American Association of Colleges of Pharmacy, Student Services SIG, Boston, July 1999.

Newer Antidiabetic Agents. **R. Chesnut**, Iowa Society for Health Systems Pharmacists Annual Meeting; May 1998.

Conflict Management Skills for Student Services Personnel, **R. Chesnut**, J. Simon, Iowa Student Services Personnel Association Meeting, Des Moines, Oct. 1998.

Developing Diabetes Patient Services, APhA/SKB Community Pharmacy Management Program. **R. Chesnut**, Des Moines, IA; August 1996, 1997.

New Medications in Diabetes, Medicine Cabinet (televised on Drake Channel). **R. Chesnut**, Des Moines, IA; February 1996.

Interviewing with the Pharmaceutical Industry (P5 pharmacy students). **R. Chesnut**, Drake University College of Pharmacy and Health Sciences, Des Moines, IA; October 1986-1993 (annual presentations).

Pharmaceutical Industry Marketing: An Opportunity for Pharmacists (first year pharmacy students). **R. Chesnut**, Drake University College of Pharmacy and Health Sciences, November 1986-1993.

The Use of Insulin in the Diabetes Patient (fourth year pharmacy students). **R. Chesnut**, Drake University College of Pharmacy and Health Sciences, November 1986.

PRESENTATIONS

Standards 2016: Intentional Student Professional and Leadership Development in the Co-Curriculum. **R. Chesnut**, C. Phillips, W. Duncan. American Association of Colleges of Pharmacy Annual Meeting, 2015 (college poster).

Crisis Management Workshop. **R. Chesnut**, T. Tenhoeve, K. C. Watchmaker, K. Mitchell. American Association of Colleges of Pharmacy Annual Meeting, 2014 (Section of Administrative Services).

Description and Evaluation of Entrepreneurial Leadership Internships for Community Pharmacies and Student Pharmacists. **R. Chesnut**, C. Phillips, D. Soltis, N. Stelter, R. Rospond, Iowa Pharmacy Association Annual Meeting, 2011 (poster).

Pharmacy Student Entrepreneurial Orientation (PSEO) Scale: Developing a Baseline Measurement and Comparison. **R. Chesnut**, T. Sullivan, Iowa Pharmacy Association Annual Meeting, 2010 (poster).

Description and Evaluation of Drake's Next Top Entrepreneur Competition. **R. Chesnut**, D. Soltis, R. Soltis, Iowa Pharmacy Association Annual Meeting, 2009 (poster).

Development of a Legislative and Public Policy Internship for Pharmacy Students. **R. Chesnut**, J. DeWitt, S. Swain, A. Roberts, Iowa Pharmacy Association Annual Meeting, 2009 (poster).

Curricular mapping of course outcomes to educational objectives: a comparison of faculty intent and student perceptions. **R. Chesnut**, C. Phillips, J. DeWitt. American Association of Colleges of Pharmacy. Orlando, 2007 (college poster).

Supplementing curricular mapping with the mapping of learning objectives as perceived by faculty and students. C. Phillips, **R. Chesnut**. American Association of Colleges of Pharmacy. Orlando, 2007 (college poster).

Entrepreneurial Leadership and Patient Care: A Review of Responses to an Impact Evaluation Survey. **R. Chesnut**, D. Soltis, L. Pedersen. American Association of Colleges of Pharmacy. San Diego, 2006 (college poster).

Continuous Quality Improvement through the Use of Process Maps. **R. Chesnut**, C. Phillips. American Association of Colleges of Pharmacy, San Diego 2006 (poster).

Diabetes Concentration- A Curricular Model to Improve Student Competence and Patient Care. **R. Chesnut**, J. Johnson. American Association of Colleges of Pharmacy, San Diego 2006 (poster).

Exercise Considerations, **R Chesnut**, Drake University/Iowa Pharmacy Association 5th Annual Diabetes Update, Des Moines; Oct. 2004.

Student Leadership Practices Inventory. **R. Chesnut**, Iowa Pharmacy Association/Drake University/University of Iowa Student Leadership Conference, Des Moines; Oct.2005.

Living with Diabetes. **R Chesnut**, L. Leuwerke, Drake University/Iowa Pharmacy Association 4th Annual Diabetes Update, Des Moines; Oct. 2004.

Readiness for Change: Improving Treatment Adherence. **R. Chesnut**, Drake University/Iowa Pharmacy Association 3rd Annual Update, Des Moines; Oct. 2003.

ADA Standards Update. **R. Chesnut**, Drake University/Iowa Pharmacy Association 2nd Annual Diabetes Update, Des Moines, Oct. 2002.

Partnering with Other Health Care Professionals. **R. Chesnut**, K. Plake, Drake/Iowa Pharmacy Association Annual Diabetes Update, Des Moines; Oct. 2001.

Managing Diabetes in a Culturally Diverse Population. K. Plake, **R. Chesnut**, Drake/Iowa Pharmacy Association Annual Diabetes Update, Des Moines; Oct. 2001.

History of Drake University College of Pharmacy and Health Sciences. **R. Chesnut**, J. Reynolds, American Association of Colleges of Pharmacy, Boston; July 1999 (poster).

Coordinator/presenter-Developing Skills in Diabetes Management Certificate Program. Drake University/Hy-Vee; March-June 1999.

Situational Leadership. **R. Chesnut.** Iowa Pharmacists Association, Drake University & University of Iowa Student Leadership Conference, April 1998.

Diabetes Certificate Program (facilitator/presenter). Drake University/American Drug Stores; June, July, August, September 1997.

Situational Leadership, **R. Chesnut**, Iowa Pharmacists Association, Drake University & University of Iowa Student Leadership Conference; April 1997.

Conflict Management Skills, **R. Chesnut**, Iowa Pharmacists Association, Drake University & University of Iowa Student Leadership Conference; April 1997.

SERVICE

(Current service commitments are in italics)

National Service:

Accreditation Council of Pharmacy Education (ACPE)

- Site visit Team, 2015, 2013, 2011, 2009, 2008, 2007, 2007, 2006, 2005, 2004, 2003.

American Association of Colleges of Pharmacy (AACP), 1994-present

- *Administrative Services Section, 2014 - present*
 - *Founding Chair, 2014*
- *Finance Committee, 2015-present*
- Professional Affairs Committee, 2012-2013
- *Leadership SIG*
 - Membership Chair, 2012-2013
 - *Leadership Toolkit Committee, 2012-present, Chair, 2013-2014;* Organization Sub-Committee, 2014-2015
 - Executive Committee, 2012-2014
- Centralized Admissions System Task Force (PharmCAS) – 1999-2004, 2010 – 2015
 - Conduct Committee, 2011-2015
- *Student Services SIG, 1994-Present*
 - Chair, Section Proposal Committee, 2012-2014
 - Chair, Student Services SIG 2002-2003
 - Programming Coordinator, Student Services SIG 2001-2002
 - Web Editor, Student Services SIG 2001-2004
- Pharmacy College Admission Test (PCAT) Advisory Panel, 1997-2006; Chair, 2005-2006

American Journal of Pharmaceutical Education, 1999-present

- *Manuscript and book reviewer 1999-present*

National Association of Academic Advisors, 1994-2002, 2014

- Conference Co-Chair, 1999 Region 6 Conference, Des Moines

State/Local Service:

Board of Pharmacy Examiners, 2014

- Tele-pharmacy Committee, 2013- 2015

Central Iowa Pharmacists Association, 1991-2003, 2010-2011

- President, 1998-1999
- Board of Directors, 1997-1998
- Programming Committee, 1996-1997

Crohn's & Colitis Executive Committee, IA Chapter

- Exec. Vice-President of Communications 1994 – 1997

Healthy Iowans 2010 Chapter Committee on Diabetes, 1998-2000

Iowa Diabetes Network, 1998-2008

- Health Communications Committee Chair, 2000-2002

Iowa Pharmacy Association, 1992-present

- Chair, Board of Trustees, 2011-2012
- President, 2010-2011
- Chair, Membership Task Force, 2010 - 2011
- President-elect, 2009

- Trustee, Region 3, 2000-2002
- Iowa Pharmacy Foundation, 2012-present**
- Investment Committee, 2014-present
- Iowa Pharmacy Recovery Network Committee, 1994-present**
- *Drake Liaison, 1994 – present*
- Pharmacy Network of Iowa, 2013 - present**

Organizational Membership

American Association of Colleges of Pharmacy (AACP), 1994-present

- *Section for Administrative Services, 2014-present*
- *Section of Social and Administrative Sciences (SAdS), 1994-present*
- *Student Services Special Interest Group, 1994-present*
- *Chemical Dependency Special Interest Group, 1994-present*
- *Leadership Special Interest Group, 2012-present*

American Association of Diabetes Educators (AADE), 1997-2005

American Diabetes Association (ADA), 1997-2006

American Pharmaceutical Association, 1998-2005, 2011

Central Iowa Pharmacists Association, 1991-2005

Crohn's & Colitis Executive Committee, IA Chapter, 1992-1997

Iowa Association of Diabetes Educators, 1997-2000

Iowa Diabetes Network, 1998-2009

Iowa Pharmacy Association, 1986, 1993-present

Iowa Society of Student Personnel Administrators, 1995 – 1998

Lambda Kappa Sigma, Nu Collegiate Chapter, 1981–1985

- Treasurer, 1983-84, 1984-85

Lambda Kappa Sigma, Alumnae Member

Midwest Pharmacy Forum, Prior Learning Assessment Subcommittee, 1995 - 1997

National Association of Academic Advisors, 1994-2002

- Regional Conference Co-Chair, 1999

National Community Pharmacists Association, 2000-2007

University / College Service:

Faculty

Academic Calendar Task Force, 2005-2006

Blackboard Task Force, 2000-2006

Council on Leadership Development, 2007-present

- *LEAD Concentration Task Force, 2009-present*
- *Concentration Roundtable, 2010-2011*

Faculty Athletics Representative, Missouri Valley Conference (MVC) and NCAA,, 2000-present

- MVC President, 2004-2005, 2013-14
- MVC Gender Equity Committee, 2000-2004
- MVC Constitution and By-Laws Committee Chair, 2002-2003, 2008-2009
- MVC Conference Relations Committee, 2000-2001
- MVC Sportsmanship Committee, 2009-2011
- MVC Long-range Planning Committee, 2010-2012

- MVC Legislative Review Committee, 2012
- MVC Executive Committee, 2003-2006, 2012-present

Faculty Advisor – National Community Pharmacists Association Pruitte-Schutte Business Plan Competition Team, 2010 (Top 3 Finalist), 2011 and 2012 (Top 10 Finalist)

Faculty Advisor - Drake Rx (Pharmacy) Unified Group of Students (DRxUGS), 2002-present

Faculty Advisor-Pharmacy and Health Sciences Day, 1994 – present

Faculty Senate

- Senator 2014-2015
- Senator 2011-2013
- Senator 2008-2010
- Intercollegiate Athletic Council Chair – 2000 – 2010
- Intercollegiate Athletic Council Compliance Sub-Committee Chair, 2000-2010
- Educational Policies and Implementation Committee, 1998-2000, Chair 1999-2000
- University Assessment Committee, 1997 – 2001
- Board of Student Communications, 1995 – 1997, Chair 1995-1997
- Admissions and Financial Aid Committee, 1995-1997

Law School Dean’s Review Committee, 2015

P-1 Faculty Advisor, 1994 – 1997

Portal Policy Committee, 2005

blueCube Reporting Strategies Committee, 2005, 2009-2010

Search Committees

- Pre-professional Director, 2015
- Vice Provost, Chair, 2012
- Athletic Director, 2000, 2006
- Associate Athletics Director, 2008
- Director of Compliance, 2005, 2006, 2010
- Pharmacy Dean, 2003-2004
- Career Center Director, 1999
- School of Education Adult Education and Development Faculty Member, 1999
- Pharmacokinetics Faculty Member, 1999
- American Drug Stores Community Care Laboratory Faculty Member, 1997

Administration

Council of Academic and Administrative Departments, 2003-2015

- Recorder, 2003-2015

Council of Assistant and Associate Deans, 1994 - 2003

- Recorder 1996-1998, 2000-2002
- Chair 1999-2000

Pharmacy Program Committees

- Academic Affairs, 2004-present
- Assessment, 2004-2007
- Student Affairs, 1995-2004, Chair, 1995 – 1998

- Diversity, 2003-2004
 - PharmD Admissions, 1994-2004, Chair, 1995 – 2000
 - College Administrative (CAC), 1993-present
- Program Review, Administrative Committee, 2000**

HONORS

Lambda Kappa Sigma National Vanguard Leadership Award, 2014
Mentor of the Year, College of Pharmacy and Health Sciences, 2002, 2011
Madelyn Levitt Mentor of the Year Candidate, Drake University, Spring 2003, 2004, 2011, 2012, 2013
Phi Lambda Sigma, Pharmacy Leadership Society, 2010
NCPA State Association Leadership Award, 2010
Granberg Leadership Award, 2010
Phi Lambda Sigma/Rho Chi Appreciation Award, 2008, 2010
Hartig Faculty Development Award, 2009
Drake University Don V. Adams Spirit of Drake Award, 2009
AACP Leadership Fellows Program, 2005-2006
Phi Delta Chi, Honorary Brother, Spring 2003
Alumni Achievement Award, Drake University College of Pharmacy and Health Sciences, Spring 2002
Scholarship recipient for attendance at Summer Advising Institute, National Association of Academic Advisors, 1999
Graduate student grant recipient for attendance at regional meeting, National Association of Academic Advisors, 1997
Young Pharmacists' Tri-State Leadership Conference, Iowa Pharmacists Association, 1994
Eli Lilly Perk Meeting, 1990
Eli Lilly National Recognition Meeting, 1989
Dale Carnegie Sales Course Champion, 1988
McNeil Award of Pharmacy Administration, 1985
Medicine Store Scholarship, 1985
Rho Chi Honorary Fraternity, 1985



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. **Request Motion to Approve 3-year Term to the IMP3 Committee**
 - a. Tracy Petersen, Licensed Pharmacist

Tracy C. Petersen

603 SW Springfield Dr.

Ankeny, IA 50023

Cell: 515-720-6493

SUMMARY OF QUALIFICATIONS

- Offering a B.S. in Pharmacy and 27 years of experience in hospital, mail services, and retail settings.
- Self-motivated, goal-oriented, and committed professional who applies both attention to detail and time sensitivity to work approach.
- Enjoys people and works well with others, including co-workers, students, supervisors, directors and staff of facilities, and patients.
- Punctual and dependable

EDUCATION

- B.S., Pharmacy, 1988
South Dakota State University, Brookings, SD
- GPA: 3.8; Dean's List all semesters

EXPERIENCE

MEDICAP PHARMACY, 2012 to present, Grimes and Eldora, IA: Staff Pharmacist

- Check medication orders for nursing homes, group homes and treatment facilities, assuring accuracy of the finished order and performing drug utilization review for appropriateness of dosing and therapy.
- Perform all of the duties as described below as a retail pharmacist.

HY-VEE PHARMACY, 1997 to 2011, Urbandale, IA: Staff Pharmacist

- Perform efficiently under pressure in a busy pharmacy filling 2400 prescriptions weekly.
- Receive, interpret, and enter prescription information into computer system quickly and accurately.
- Meticulously check all work completed by students and pharmacy technicians.
- Counsel patients on proper use of medication and offer follow-up support addressing concerns related to side-effects, interactions, etc.
- Ensure that every customer receives friendly, knowledgeable and efficient service.
- Resolve problems involving insurance.
- Supervise and train pharmacy students and technicians.
- Administer vaccinations for influenza, pneumonia, and shingles.
- Perform calculations for and prepare compounded medications.
- Process and return all expired drugs quarterly.
- Uphold service standards for dispensing, managing inventory, reviewing patient profiles, and record keeping.
- Interact with physician's office to resolve prescription questions regarding dosages, interactions, etc.
- Order drugs and pharmacy supplies to maintain appropriate inventory.

SYSTEMED PHARMACY (mail service) 1991 to 1997, Des Moines, IA: Staff Pharmacist

- Proofed data entry of prescriptions and checked filled orders.
- Placed in charge of 1 of 3 business units, each dedicated to serving a large corporate client.
- Selected to develop, implement, and deliver a standardized training program for all data entry staff and facilitate quality control in this area.
- Organized and presented weekly quality control meetings to data entry staff to reduce procedural errors.
- Demonstrated order entry procedures and quality control program during tours for potential clients.
- Developed new policies and procedures for handling Control II substances and administered program, ensuring that prescriptions complied with government regulations.

REFERENCES AVAILABLE UPON REQUEST



Iowa Board of Pharmacy

ANDREW FUNK, PHARM.D.
EXECUTIVE DIRECTOR

June 30, 2016

Board Action Item:

Iowa Monitoring Program for Pharmacy Professionals (IMP3)

1. Request Motion to Approve 3-year Term to the IMP3 Committee

a. Trevor Petersma, Public Member

TREVOR G. PETERSMA

504 31st Street, West Des Moines, Iowa 50265

Email: trevor.petersma@gmail.com

PROFESSIONAL EXPERIENCE- (Total qualifying experience: 8 years 5 months and continuing)

Senior Attorney Adjudicator September 11, 2011-Present (**4 years, 6 months**)
Social Security Administration 40+hours per week
Office of Disability Adjudication and Review, West Des Moines, Iowa
Contact Supervisor: Yes, Theresa Allen, (877) 628-6577 Ext 20804

ENGAGED IN COMPLEX LEGAL ANALYSIS while screening cases for potential on the record favorable decisions. Draft high quality legal opinions for the Administrative Law Judges (ALJs) in the office as part of the Title II and Title XVI disability hearing process. Screen claims for potential on the record decisions, including critical, potentially terminally ill and dire need cases. Additionally, I provide analysis on non-disability cases as part of a pre-hearing review for ALJs in the office, which includes drafting memorandum covering overpayment, fraud, common law marriage, and tax related issues.

RESEARCH/ANALYZE ISSUES OF LAW AND FACT. Provide prehearing and post-hearing legal analysis for the ALJ regarding Agency interpretations of case law, legal opinions, rulings, and other sources of a legal nature, including interpretation and application of the Social Security Act, Administrative Procedure Act, and the Internal Revenue Code, among other federal law and administrative law opinions.

EXTENSIVE KNOWLEDGE of medical and legal issues relating to entitlement or eligibility, including disability and cessation of disability, vocational rehabilitation, drug and alcohol addiction, and earned/unearned income.

PREPARE PRE-HEARING DOCUMENTS including detailed legal analyses, memoranda, and summaries to Administrative Law Judges. Draft vocational and medical expert interrogatories, conflict of laws analysis, proposed rulings of law and findings of fact. Contacted claimant's representatives on behalf of Administrative Law Judge to resolve development issues related to earnings, work activity, updated medical evidence, and potential amended onset date of disability in both a pre-hearing and post-hearing capacity.

Representative Accomplishments

- **Senior Attorney Cadre-** Selected by the Office of the Chief Administrative Law Judge (OCALJ) to Senior Attorney Cadre. Worked with a small team of senior attorneys to update national legal training materials for Social Security Administration ODAR senior attorneys. Served as an instructor for senior attorney training.
- **National Adjudication Team (NAT) Quality and Support Group-** Selected by OCALJ. Review drafts from NAT adjudication group senior attorneys for legal sufficiency. Manage and assign caseloads for NAT senior attorney adjudicators. Maintain my own adjudicator number, as

NAT senior attorney adjudicators are the only attorneys able to sign favorable decisions under HALLEX I-5-3-21.

▫ **1K Pilot Initiative**-Participated in 1,000-page pilot review as one of only 15 senior attorneys nationally as part of a CARES initiative. Provided legal summary and analysis on cases thirty days or less from hearing and with files totaling at least 1,000 pages of medical evidence. Analyzed file and provided proposed findings at each step of the sequential evaluation process used by SSA in evaluating disability claims.

▫ **National Case Assistance Center (NCAC) Reviewer**- Reviewed decisional drafts from decision writers for NCAC East to check for legal sufficiency as part of the post-hearing process. Mentored NCAC attorneys/decision writers to increase legal quality of opinion drafts. Reviewed potential Acquiescence Rulings for each case as determined by Circuit of claim.

▫ **Virtual Screening Unit and National Screening Unit**-Screened claims for potential on the record decisions prior to the hearing. Signed favorable opinions under my own adjudicator number/name prior to Agency policy change shifting this authority exclusively to the National Adjudication Team.

▫ **Outstanding PACS**- 2015 PACS rating of "Outstanding." Rating of 5/5 in each category.

Attorney Advisor **May 11, 2008-September 10, 2011 (3 years, 4 months)**
Social Security Administration 40+ hours per week
Office of Disability Adjudication and Review, West Des Moines, Iowa
Contact Supervisor: Yes, Theresa Allen, (877) 628-6577 Ext 20804

STRUCTURED AND DRAFTED legally defensible opinions that address the technical, medical, and legal aspects of Social Security law as they relate to Title II and XVI of the Act. In doing so, I was required to possess extensive knowledge on all aspects of disability law, rules, and regulations, including keeping abreast of updates and changes as they occurred. Consistently drafted a high number of decisions, which placed me as one of the higher performers in my local and regional office during this time. Trained new attorneys and decisions writers as a national trainer for SSA.

Associate Attorney **October 2007-May 9, 2008 (7 months)**
Matthias, Campbell, Tyler, 40+ hours per week
Nuzum, and Rickers
Newton, Iowa 50208

As an associate attorney, I handled the full range of general practice law. I worked independently with clients during arraignments, pretrial conferences, and sentencing hearings for cases that involved a trial information or charging document. In addition, I argued motions for criminal cases involving operating while intoxicated (OWI), drug possession, driving while barred, public intoxication and probation violations. Furthermore, I interviewed clients,

completed legal research, filed pleadings, and undertook discovery for new and existing firm clients in the areas of family law, guardianships, divorce law, juvenile, and criminal defense. This work was performed wholly in court proceedings and under formal hearing procedures. I routinely handled court hearings in the morning, met with clients in the afternoon, and completed research in the evening. I worked under tight timelines and managed a full caseload. As an attorney in private practice, I worked independently on almost my entire caseload at all times. I was the sole attorney actively practicing in the areas of criminal defense, and divorce law. I interviewed potential clients, researched potential legal causes of action, and performed additional legal research under both Iowa and Federal case law to fully evaluate the client's interests. I would independently file discovery motions, contact potential witnesses, and interview other appropriate individuals that might be involved in the case.

EDUCATION

JURIS DOCTORATE (J.D.)

05/2007

Drake Law University ▫ Des Moines, Iowa

- Litigation and Dispute Resolution Certificate
- With Honors

BACHELOR OF ARTS (B.A.)

5/2004

University of Northern Iowa ▫ Cedar Falls, Iowa

- Majors: Public Administration-Public Law; Political Science
 - Magna Cum Laude
-

BAR ADMISSION

Iowa, Admitted September 20, 2007

Commission ID: 21972

ICIS PIN: AT0009320

In Good Standing from September 20, 2007-Present

AWARDS & HONORS with Social Security Administration

- **Individual Cash Award**- 9/18/2015; 9/12/2014; 8/22/2014
 - **Performance Award (Recognition of Contribution)**- 5/1/2015; 6/13/2014; 9/1/2011; 8/31/2011; 8/30/2011; 7/12/2010; 6/14/2010
 - **On the Spot Award**- 8/24/2010; 8/12/2009
 - **Special Act or Service Award**- 8/24/2012; 9/15/2009; 8/11/2009; 8/10/2000; 8/25/2008
 - **Quality Step Increase**: 9/9/2012; 9/11/2011
-

PROFESSIONAL REFERENCES

Administrative Law Judge Matthew Allen

3403 Government Street

Alexandria, Louisiana 71302
877-748-9764 (Ext. 20805)

Administrative Law Judge Thuy-Anh Nguyen
312 Elm Street, #2100
Enquirer Bldg.
Cincinnati, Ohio 45202
877-405-7672 (Ext. 25703)

Administrative Law Judge Julie Bruntz
1501 50th Street
Building 1, Suite 300
West Des Moines, Iowa 50266
877-628-6577 (Ext. 20842)

Administrative Law Judge Tom Andrews
1501 50th Street
Building 1, Suite 300
West Des Moines, Iowa 50266
877-628-6577 (Ext. 20819)

Administrative Law Judge Henry Hamilton
1501 50th Street
Building 1, Suite 300
West Des Moines, Iowa 50266
877-628-6577 (Ext. 20854)

From: [Steffensmeier, Laura \[AG\]](#)
To: [Jorgenson, Debbie \[IBPE\]](#); [Funk, Andrew \[IBPE\]](#)
Cc: [Gavin, Meghan \[AG\]](#)
Subject: iprn orders
Date: Wednesday, June 15, 2016 12:36:29 PM
Attachments: [image001.png](#)
[Nielcen IPRN remove order.docx](#)
[Sarrazin IPRN remove order.docx](#)
[Prashad IPRN remove order.docx](#)
[Latta IPRN remove order.docx](#)
[Cottington IPRN remove order.docx](#)

Attached are proposed orders for licensees currently under Board order to participate in IPRN that remove the requirement to participate.

These can go on the agenda for June for Board approval/issuance. I think they can be in open session because it is really just an administrative change.

If you have any questions, please let me know.

Thanks,



Laura Steffensmeier
Assistant Attorney General
Office of the Attorney General of Iowa
1305 E. Walnut St.
Des Moines, IA 50319
Main: (515) 281-5164 | Direct: (515) 281-6690
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BEFORE THE IOWA BOARD OF PHARMACY

IN THE MATTER OF THE)	CASE NO. 2011-145
REQUEST FOR REINSTATEMENT)	
OF PHARMACIST	)	MODIFICATION TO FINDINGS OF FACT,
	)	CONCLUSIONS OF LAW, DECISION AND
GARY D. COTTINGTON	)	ORDER
License No. 13616)	
Respondent.)	

The Board's Findings of Fact, Conclusions of Law, Decision and Order in the above captioned matter dated December 6, 2012, is modified as follows:

1. The requirement under Paragraph R in the Decision and Order on page 8 to participate in the IPRN program is lifted effective June 30, 2016, because the IPRN program is being discontinued effective June 30, 2016.

IT IS HEREBY ORDERED that paragraph "R" is deleted.

Dated the ____ day of June, 2016.

Chairperson
Iowa Board of Pharmacy

BEFORE THE IOWA BOARD OF PHARMACY

IN THE MATTER OF:	)	CASE NO. 2011-43
)	
Request for Reinstatement of	)	MODIFICATION TO FINDINGS OF FACT,
Pharmacist License	)	CONCLUSIONS OF LAW, DECISION AND
AMANDA LATTA	)	ORDER
License No. 19669,)	
)	
Respondent.)	

The Board's Findings of Fact, Conclusions of Law, Decision and Order in the above captioned matter dated November 4, 2015, is modified as follows:

1. The requirement under Paragraph Q in the Decision and Order on page 6 to participate in the IPRN program is lifted effective June 30, 2016, because the IPRN program is being discontinued effective June 30, 2016.

IT IS HEREBY ORDERED that paragraph "Q" is deleted.

Dated the ____ day of June, 2016.

Chairperson
Iowa Board of Pharmacy

BEFORE THE IOWA BOARD OF PHARMACY

IN THE MATTER OF:	)	CASE NO. 2013-140
)	
Request for Reinstatement of	)	MODIFICATION TO FINDINGS OF FACT,
Pharmacist License	)	CONCLUSIONS OF LAW, DECISION AND
JAMES NIELCEN	)	ORDER
License No. 14579,)	
)	
Respondent.)	

The Board's Findings of Fact, Conclusions of Law, Decision and Order in the above captioned matter dated January 6, 2014, is modified as follows:

1. The requirement under Paragraph N in the Decision and Order on page 6 to participate in the IPRN program is lifted effective June 30, 2016, because the IPRN program is being discontinued effective June 30, 2016.

IT IS HEREBY ORDERED that paragraph "N" is deleted.

Dated the ____ day of June, 2016.

Chairperson
Iowa Board of Pharmacy

BEFORE THE IOWA BOARD OF PHARMACY

IN THE MATTER OF THE	)	CASE NO. 2011-5
REQUEST FOR REINSTATEMENT)	
OF PHARMACIST	)	MODIFICATION TO FINDINGS OF FACT,
	)	CONCLUSIONS OF LAW, DECISION AND
CANDACE D. PRASHAD	)	ORDER
License No. 20358)	
Respondent)	

The Board's Findings of Fact, Conclusions of Law, Decision and Order in the above captioned matter dated May 9, 2013, is modified as follows:

1. The requirement under Paragraph 14 in the Decision and Order on page 8 to participate in the IPRN program is lifted effective June 30, 2016, because the IPRN program is being discontinued effective June 30, 2016.

IT IS HEREBY ORDERED that paragraph "14" is deleted.

Dated the ____ day of June, 2016.

Chairperson
Iowa Board of Pharmacy

BEFORE THE IOWA BOARD OF PHARMACY

Re:	)	CASE NO. 2013-214
Pharmacist License of)	
ED SARRAZIN	)	MODIFICATION TO SETTLEMENT
License No. 15076	)	AGREEMENT AND FINAL ORDER
Respondent.)	

The Settlement Agreement and Final Order in the above captioned matter approved by the Board on January 12, 2016, is modified as follows:

1. The requirement under Paragraph 14(o) on page 4 to participate in IPRN program is lifted effective June 30, 2016, because the IPRN program is being discontinued effective June 30, 2016.

IT IS HEREBY ORDERED that paragraph "14(o)" is deleted.

Dated the ____ day of June, 2016.

Chairperson
Iowa Board of Pharmacy



A Helpful Smile In Every Aisle

May 11, 2016

Andrew Funk, Executive Director
Iowa Board of Pharmacy Examiners
400 SW Eighth Street, Suite E
Des Moines, IA 50309-4688

Re: Hy-Vee Pharmacy Fulfillment Center's 2016 Q1 Error Report

Hy-Vee Pharmacy Fulfillment Center (IA License #1472) respectfully submits our First Quarter 2016 Error Report, for dates ranging from January 1, 2016, through March 31, 2016. All prescriptions dispensed through our Automatic Distribution Dispensing System (ADDS) from the Hy-Vee Pharmacy Fulfillment Center are monitored through the Pharmacy Quality Commitment Program and are reflected in the error report.

During the first quarter of 2016, the Hy-Vee Pharmacy Fulfillment Center dispensed 2,030,653 prescriptions utilizing our ADDS to our retail Hy-Vee pharmacies in seven states. During this timeframe, we had 518 errors associated with ADDS, resulting in an error-free percentage of 99.9% for prescriptions dispensed through ADDS. Of the 518 errors, we had no prescriptions reach the patient and therefore no patients were impacted as a result of errors.

Summary

Number of Prescriptions dispensed through ADDS	2,030,653
Number of Errors associated with ADDS	518
Error Free Percentage	99.9%
Number of Errors Reaching the Patient	0
Percentage of Errors Reaching the Patient	0.0%
Number of Patients harmed as a result of errors	0

Categories of Errors

The ten distinct categories of errors are listed below, along with the number of errors in each category.

Category	Number of Errors	Percentage of Prescriptions
Incorrect Drug	7	0.00034%
Incorrect Quantity	197	0.0097%
Incorrect Dose	0	0%
Incorrect Dosage Form	0	0%
Incorrect Directions	0	0%
Incorrect Patient Name	0	0%
Other Incorrect Label	0	0%

Hy-Vee, Inc.
5820 Westown Parkway, West Des Moines, Iowa 50266
Phone: (515) 267-2800



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Information		
Computer Order Entry	0	0%
Incorrect Safety Cap	99	0.00487%
Other Errors	215	0.01058%

Please see the attached reports for a detailed description of each error, the category, and corrective action adopted by the Hy-Vee Pharmacy Fulfillment Center.

Quantity Errors

Quantity errors are caused by the calibration of the scale or the air pressure in our ADDS. The Hy-Vee Pharmacy Fulfillment Center continues to monitor particular NDC's that are miscounted or damaged by the ADDS. We adjust the calibration of our scales and air pressure in our ADDS with respect to the applicable drug to optimize the settings and reduce the incidence of incorrect quantities or broken tablets and capsules. We are exploring changing manufacturers for the NDC's that consistently are damaged or miscount.

Incorrect Safety Caps

The process for providing non-safety caps is a manual process. We continue to work daily with our packing team to ensure that they do not forget to include the snap caps for patients requesting a snap cap. The computer screen places a large red message on the screen, alerting the packer to add the snap caps before sealing the bag.

Other Errors

Errors, such as the barcode cutting off on the prescription label, capping issues, or bag seals, are the result of our mechanical process for automatically filling prescriptions. We respond to these errors immediately and continue to adjust and refine our mechanical systems. For example, adjustments are made to the automated capper machines to ensure that the caps are securely put on the prescription vials.

Errors related to Replenishment and Inventory

We experienced 25 inventory errors. These were replenishment bottles placed on our stock shelving incorrectly. These bottles are recognized by scan and corrected before they are placed into a cell. These errors are documented so that we are able to identify similar looking bottles in proximity and train staff to avoid shelving incorrectly and therefore increasing efficiencies.

Redirection of Pharmacist and Pharmacy Services

Utilization of the Hy-Vee Pharmacy Fulfillment Center by Hy-Vee's retail pharmacies has facilitated the expansion of pharmacy services. Hy-Vee retail pharmacies gained access to the EQuIPP platform this quarter to improve quality metrics according to PQA (Pharmacy Quality Alliance) standards. Hy-Vee retail pharmacies completed 64% of Mirixa and 30% of Outcomes medication therapy management cases from January 1 2016, through March 31, 2016. Hy-Vee retail pharmacies increased the number of Mirixa MTM cases completed by 107% and the number of Outcomes MTM cases completed by 46% in the 1st quarter of 2016, compared to the 1st quarter of 2015. In addition, Hy-Vee pharmacies continued efforts providing an educational program for

Hy-Vee, Inc.

5820 Westown Parkway, West Des Moines, Iowa 50266

Phone: (515) 267-2800



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Medicare-eligible patients, iMedicare, for any newly eligible Medicare recipients. The iMedicare program served patients in all 8 states served by Hy-Vee pharmacies. The Hy-Vee pharmacies provided Medicare Part D plan comparison reports for newly eligible patients.

Quality Training

The Hy-Vee Pharmacy Fulfillment Center Director and Pharmacy Manager are consistently looking at all reported errors and addressing and training staff immediately when an error is identified. We are constantly refining our procedures and equipment to ensure that our level of quality is never compromised.

All registered pharmacy employees working at the Hy-Vee Pharmacy Fulfillment Center have completed the Quality Assurance training. We are committed to continual monitoring and improvement of our quality at the Hy-Vee Pharmacy Fulfillment Center.

Respectfully submitted,
Hy-Vee, Inc.

Angie Nelson, Pharm D
AVP, Hy-Vee Pharmacy Fulfillment Center

Incorrect Drug

Store#	Date Reported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective Action
4016	1/20/2016	Assembly/Filling - Selected incorrect drug	N	Bulk - Pt had 2 prescriptions for saphris (rx# 972117 + 972118) for #6 boxes of saphris 5 mg and #6 boxes of saphris 10 mg. RPH checked first order of 10 mg #6 boxes. When packer's screen locked up when trying to pack order, RPH thought rx was cancelled. RPH saw technician filling order for same patient and gave #6 packages of saphris 10 mg to tech to fill but technician was actually filling a 5 mg order. RPH check prescription with #5 packages of saphris 10 mg labeled as saphris 5 mg and #1 package of saphris 5 mg labeled as saphris 5 mg. RPH caught error in packing when packer could not complete packing process.	Saphris	Saphris	Human Error	Pharmacist will look up order on appropriate status of an order that locks there is any question they report th
4016	1/1/2016	Other (explain in pharmacy notes if necessary)	N	pv2 - 1 capsule of Nexium 20 found at PV at 50% check in vial filled with potassium 10 capsules	Potassium	Nexium	Replenishment genie was not completely cleared on nexium fill leaving a single capsule stuck inside when potassium replenishment began	Technician was notified of the error containers must be placed upside down are cleared at some point in each r
4016	2/8/2016	Incorrect Drug	N	pv1 - 1 tab of aripiprazole 20mg was in vial of naproxen 220mg	naproxen sodium	aripiprazole	Human Error. Technician failed to clear out counting tray successfully from previous fill.	Counseled technician to leave tray count.

4016	2/27/2016	Incorrect drug	N	Microgestin 1/20 was in a box of microgestin FE 1/20 so passed barcode scan but was caught by RPh. 253	Microgestin Fe	Microgestin	Human Error. Technician grabbed extra pack of Microgestin for previous fill and placed it back into wrong location.	Moved the location of the incorrect reduce the likelihood of misplace
4016	2/15/2016	Incorrect drug	N	OLR B 5 tablets of metfomin ER 500 found in atorvastatin 40 cell	atorvastatin	metformin ER	Human Error. Technician failed to clear out cell filling container successfully from previous fill. Tablet was too large to exit the opening on the incorrect cell	Instructed technician on proper tec filling container is correctly cleared
4016	2/15/2016	Incorrect drug	N	OLR B 6 tablets of metformin ER 500 found in lisinopril 5 cell	Lisinopril	metformin ER	Human Error. Technician failed to clear out cell filling container successfully from previous fill. Tablet was too large to exit the opening on the incorrect cell	Instructed technician on proper tec filling container is correctly cleared
4016	3/29/2016	Incorrect drug	N	Counter on station 51 was trying to help the counter on 52 catch up by pre-filling vitamin D prescriptions and placed the drug in a wrong puck. Technicians were notified of error and told not to pre-fill scripts anymore.	Docusate	Vit D	Human Error	Technicians were notified of error scripts anymore.
Subtotal = 7	Percentage of Total Scripts(2,030,653) = 0.00034%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Incorrect Quantity								
Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective A
4016	1/1/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/1/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/5/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 87/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/5/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2: broken 134/135	Sotalol	Mechanical Error	Mechanical Error
4016	1/5/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 57/60	Metformin	Mechanical Error	Mechanical Error
4016	1/5/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	lisinopril-hydrochlorothiazide	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 88/90	Losartan	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	Furosemide	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 58/60	lisinnopril	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Other (explain in pharmacy notes if necessary)	Broken Capsule		Mechanical Error	Mechanical Error
4016	1/7/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV1. broken tabs	Clonidine	Mechanical Error	Mechanical Error
4016	1/7/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV1. broken tabs, several bottles consequetively.	Clonidine	Mechanical Error	Mechanical Error
4016	1/14/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	1 broken tablet at PV /30	Lisinopril	Mechanical Error	Mechanical Error

4016	1/14/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	2 broken tablets /30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/14/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	1 broken tablet /30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/16/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 119/120	Buspirone	Mechanical Error	Mechanical Error
4016	1/16/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 29/30	Chlorthalidone	Mechanical Error	Mechanical Error
4016	1/18/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 59/60	estropipate	Mechanical Error	Mechanical Error
4016	1/18/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 89/90	Propranolol	Mechanical Error	Mechanical Error
4016	1/20/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 11/12	valacyclovir	Mechanical Error	Mechanical Error
4016	1/21/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2- broken tablet (filled 179/180)	Losartan	Mechanical Error	Mechanical Error
4016	1/21/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2- broken tablet (filled 88/90)	Lisinopril	Mechanical Error	Mechanical Error
4016	1/21/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV1- broken tablet (filled 29/30)	Lisinopril	Mechanical Error	Mechanical Error
4016	1/22/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken capsule in vial	Nexium	Mechanical Error	Mechanical Error
4016	1/22/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2 - broken 89/90	Losartan	Mechanical Error	Mechanical Error
4016	1/22/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2 - broken 89/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/25/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 29/30	lisinopril	Mechanical Error	Mechanical Error
4016	1/25/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 89/90	Simvastatin	Mechanical Error	Mechanical Error

4016	1/28/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2 - broken 29/30	Losartan	Mechanical Error	Mechanical Error
4016	1/28/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2 - broken 38/40	Apriso	Mechanical Error	Mechanical Error
4016	1/11/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 man count drug long count 31/30	Amiodarone	Mechanical Error	Mechanical Error
4016	1/11/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2. broken 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv1 - broken 89/90	amlodipine/benazepril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	Pv2.broken 29/30	Furosemide	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	Pv2. broken 84/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2. broken 29/30	Lisinopril/Hctz 10/12.5	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	Pv2. 89/90	lisinopril 40	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken tablet 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken tablet 27/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Receiving the RX - Date of birth missing	N	Incorrect quantity	broken tablets 27/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken tablets 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken tablet 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/13/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	broken tab at PV 71/72	Metformin	Mechanical Error	Mechanical Error

4016	1/13/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	broken tab at PV 89/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/13/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	broken tab at PV 87/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/26/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 50/51	Apriso	Mechanical Error	Mechanical Error
4016	1/26/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 50/51	Apriso	Mechanical Error	Mechanical Error
4016	1/26/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 - broken 89/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/27/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 359/360	Buspirone	Mechanical Error	Mechanical Error
4016	1/27/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 362/360	Buspirone	Mechanical Error	Mechanical Error
4016	1/27/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 29/30	lisinopril/hydrochloroth iazide	Mechanical Error	Mechanical Error
4016	1/27/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 - broken 82/90	Trimethoprim	Mechanical Error	Mechanical Error
4016	1/27/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 - broken 29/30	Clonidine	Mechanical Error	Mechanical Error
4016	1/15/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 88/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/15/2016	Incorrect quantity	N	Other (explain in pharmacy notes if necessary)	Rx was 3 tablets short because of broken tablets		Mechanical Error	Mechanical Error
4016	1/16/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	lisinopril- hydrochlorothiazide	Mechanical Error	Mechanical Error
4016	1/8/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 59/60	Clonidine	Mechanical Error	Mechanical Error
4016	1/8/2016	Assemby/Filling - Incorrect quantity	N	Incorrect quantity	pv1 broken 29/30	Lisinopril	Mechanical Error	Mechanical Error

4016	1/8/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	Losartan	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken cap 40/40	Apriso	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 89/90	Lisinopril	Mechanical Error	Mechanical Error
4016	1/6/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 29/30	Lisinopril	Mechanical Error	Mechanical Error
4016	1/4/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV1-manual count 60/30	Amitiza	Mechanical Error	Mechanical Error
4016	1/4/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	PV2. broken 39/40	Apriso	Mechanical Error	Mechanical Error
4016	1/5/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	short 1 tablet	Methotrexate	Mechanical Error	Mechanical Error
4016	1/4/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	RX was 1 tablet short		Mechanical Error	Mechanical Error
4016	1/9/2016	Assembly/Filling - Incorrect quantity	N	Incorrect quantity	pv2 broken 87/90	Furosemide	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	PV2. broken in vial at PV 1cap.	potassium chloride cap	Mechanical Error	Mechanical Error
4016	1/12/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Pv2. 1 tab broken in vial	Lisinopril	Mechanical Error	Mechanical Error
4016	2/1/2016	Incorrect quantity	N	1 broken tab from robots 89/90	Simvastatin	Simvastatin	Mechanical Error	Adjust Cell Pressure/Setting
4016	2/1/2016	Incorrect quantity	N	2 broken tablet from robots 88/90	Clonidine	Clonidine	Mechanical Error	Adjust Cell Pressure/Setting
4016	2/2/2016	Incorrect quantity	N	pv1 broken 89/90	desmopressin		Mechanical Error	Adjust Cell Pressure/Setting

4016	2/2/2016	Incorrect quantity	N	pv1 broken 87/90	Simvastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/2/2016	Incorrect quantity	N	pv2 broken 179/180	carvedilol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/2/2016	Incorrect quantity	N	pv2 broken 29/30	Effexor XR		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/2/2016	Incorrect quantity	N	pv2 broken 29/30	Lisinopril		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/3/2016	Incorrect quantity	N	pv1 - broken 60/60 (overcount)	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/3/2016	Incorrect quantity	N	pv1 - broken tabs 28/30	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/3/2016	Incorrect quantity	N	pv1 - broken 43/45	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/3/2016	Incorrect quantity	N	pv1 - broken 43/45	Sotalol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/3/2016	Incorrect quantity	N	PV1 - broken tablets (filled 86/90)	Clonidine	Clonidine	Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV2 - broken 29/30	lisinopril/HCTZ		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV2 - broken 29/30	Lisinopril/HCTZ		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV2 - broken 29/30	Lisinopril/HCTZ		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV2 - broken 89/90	Losartan		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV2 - broken 29/30	Losartan		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV1 - broken 88/90	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV1 - broken 58/60	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/4/2016	Incorrect quantity	N	PV1 - broken 134/135	Metoprolol tartrate		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/5/2016	Incorrect quantity	N	PV2 - 9 different vials with broken tablets between 2pm and 5pm (on visual verification)	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/5/2016	Incorrect quantity	N	PV2 - broken 89/90	Diltiazem		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/5/2016	Incorrect quantity	N	PV1 - over 90/60	Docusate		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/5/2016	Incorrect quantity	N	PV1 - broken 28/30	Trimethoprim		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/5/2016	Incorrect quantity	N	PV1 - broken 89/90	Metoprolol		Mechanical Error	Adjust Cell Pressure/Setting

4016	2/5/2016	Incorrect quantity	N	PV1 - broken 30/31	Simvastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV1. broken tabs 29/30	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV2. broken 29/30	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV2. broken 59/60	Lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV2. broken 58/60	Lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV2. broken 28/30	Lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/6/2016	Incorrect quantity	N	PV2. broken 29/30	Lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/7/2016	Incorrect quantity	N	PV1. broken 89/90	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/7/2016	Incorrect quantity	N	Pv1. broken 29/30	Spirolactone		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2- broken 89/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2- broken 89/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2- broken 29/30	hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 29/30	Lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 -broken 89/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 28/30	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 89/90	Losartan		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 89/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 89/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 29/30	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 88/90	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/8/2016	Incorrect quantity	N	pv2 - broken 29/30	lisinopril/hctz		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/8/2016	Incorrect quantity	N	pv1 - broken 29/30	Lisinopril		Mechanical Error	Adjust Cell Pressure/Setting

4016	2/8/2016	Incorrect quantity	N	pv1 - broken 59/60	Clonidine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/16/2016	Incorrect quantity	N	pv1 broken 179/180	carvedilol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/16/2016	Incorrect quantity	N	pv1 broken 149/150	Spironolactone		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/16/2016	Incorrect quantity	N	pv1 broken 29/30	Simvastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/16/2016	Incorrect quantity	N	pv2 broken 59/60	Sodium Bicarbonate		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/16/2016	Incorrect quantity	N	pv2 broken 59/60	metformin ER		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/24/2016	Incorrect quantity	N	PV1. broken 29/30	Lisinopril		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/24/2016	Incorrect quantity	N	PV1. broken 89/90	pioglitazone		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/23/2016	Incorrect quantity	N	PV 1 - 2 broken of 90	Doxazosin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/23/2016	Incorrect quantity	N	PV 1 - 1 broken of 90	lansoprazole		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/25/2016	Incorrect quantity	N	pv1 man count drug long count 31/30	Rifampin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/25/2016	Incorrect quantity	N	pv2 broken 180.5/180	Sotalol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/27/2016	Incorrect quantity	N	pv1 - broken 58/60	Metoprolol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/27/2016	Incorrect quantity	N	pv1 - broken 89/90	Pramipexole		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/22/2016	Incorrect quantity	N	PV1 - over 121/120	Metformin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/22/2016	Incorrect quantity	N	PV1 - over 121/120	Metformin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/22/2016	Incorrect quantity	N	PV1 - broken 29/30	hydroxyzine pamoate		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/22/2016	Incorrect quantity	N	PV1 - 1/2 broken tablet extra	ursodiol		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/19/2016	Incorrect quantity	N	PV1- broken tablets (filled 84/90)	Chlorthalidone	Chlorthalidone	Mechanical Error	Adjust Cell Pressure/Settings
4016	2/19/2016	Incorrect quantity	N	PV1- broken tablets (filled 27/30)	torse mide	torse mide	Mechanical Error	Adjust Cell Pressure/Setting
4016	2/20/2016	Incorrect quantity	N	pv2 broken 89/90	lisinopril- hydrochlorothiazide		Mechanical Error	Adjust Cell Pressure/Setting
4016	2/20/2016	Incorrect quantity	N	pv1 broken 89/90	desmopressin		Mechanical Error	Adjust Cell Pressure/Setting

4016	2/21/2016	Incorrect quantity	N	pv1 broken 59/60	Omeprazole		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/21/2016	Incorrect quantity	N	pv1 broken 179/180	Enalapril		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/21/2016	Incorrect quantity	N	pv1 man count over count 31/30	Fenofibrate		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/22/2016	Incorrect quantity	N	Rx contained half a broken tablet, so it was short 1 tab	lamotrigine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/24/2016	Incorrect quantity	N	pv1 broken 88/90	Hydralazine		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/17/2016	Incorrect quantity	N	pv1 broken 89/90	Simvastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/17/2016	Incorrect quantity	N	pv1 broken 53/54	balsalazide		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/17/2016	Incorrect quantity	N	Rx was short 2 tabs	Lovastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/18/2016	Incorrect quantity	N	pv2 broken 179/180	Hyoscyamine ER		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/18/2016	Incorrect quantity	N	pv2 broken 44/45	Apriso		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/15/2016	Incorrect quantity	N	pv2 broken 29/30	valacyclovir		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/12/2016	Incorrect quantity	N	pv1 broken 29/30	torse mide		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/12/2016	Incorrect quantity	N	pv1 black spot on tablet 59/60	Metformin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/13/2016	Incorrect quantity	N	Short 1 tablet			Mechanical Error	Adjust Cell Pressure/Settings
4016	2/13/2016	Incorrect quantity	N	Rx was short 1 tab	Glipizide		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/14/2016	Incorrect quantity	N	Short 1 tablet.	Metformin	Metformin	Mechanical Error	Adjust Cell Pressure/Settings
4016	2/10/2016	Incorrect quantity	N	Rx was short 1 tab	Metformin		Mechanical Error	Adjust Cell Pressure/Settings
4016	2/11/2016	Incorrect quantity	N	PV1- broken tablet (filled 88/90)	Lisinopril	Lisinopril	Mechanical Error	Adjust Cell Pressure/Setting
4016	2/11/2016	Incorrect quantity	N	PV2- broken tablets (filled 175/180)	carvedilol	carvedilol	Mechanical Error	Adjust Cell Pressure/Setting
4016	3/1/2016	Incorrect quantity	N	PV1. broken 179/180	carvedilol		Mechanical Error	Adjust Cell Pressure/Setting
4016	3/1/2016	Incorrect quantity	N	PV1. overcount 31/30	Lovaza		Mechanical Error	Adjust Cell Pressure/Setting
4016	3/2/2016	Incorrect quantity	N	PV1 - broken 29/30	Simvastatin		Mechanical Error	Adjust Cell Pressure/Setting

4016	3/4/2016	Incorrect quantity	N	PV1 - short 20/100	Promethazine		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/4/2016	Incorrect quantity	N	PV1 - broken 89/90	carvedilol		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/4/2016	Incorrect quantity	N	rx was one tablet short.			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/4/2016	Incorrect quantity	N	shorted one capsule of dilantin 100 59/60 caught at store	Dilantin		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/7/2016	Incorrect quantity	N	RX contained one broken tablet.	Lovastatin		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/1/2016	Incorrect quantity	N	RX was one tablet short.			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/6/2016	Incorrect quantity	N	RX was one tablet short.	Lisinopril/HCTZ		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/7/2016	Incorrect quantity	N	pv1 broken 29/30	Fenofibrate		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/5/2016	Incorrect quantity	N	RX contained 2 broken tablets.	Sotalol		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/8/2016	Incorrect quantity	N	pv1 broken 89/90	lisinopril		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/8/2016	Incorrect quantity	N	PV2: 3 broken/180	Furosemide	Furosemide	Mechanical Error	Adjust Cell Pressure/Settings
4016	3/9/2016	Incorrect quantity	N	PV2: 1 broken30	Losartan	Losartan	Mechanical Error	Adjust Cell Pressure/Settings
4016	3/9/2016	Incorrect quantity	N	RX contained one broken tablet.	Diclofenac		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/24/2016	Incorrect quantity	N	PV1. overcount 100/90	carbadopa/levodopa		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/13/2016	Incorrect quantity	N	Vial contained broken capsules.	zonisamide	Zonsiamide	Mechanical Error	Drug was moved to manual
4016	3/14/2016	Incorrect quantity	N	RX contained 2 broken capsules.	zonisamide		Mechanical Error	Drug was moved to manual
4016	3/14/2016	Incorrect quantity	N	RX contained 3 broken capsules.	zonisamide		Mechanical Error	Drug was moved to manual
4016	3/31/2016	Incorrect quantity	N	PV2 - broken cap	venlafaxine ER cap		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/29/2016	Incorrect quantity	N	pv2 broken 536/540	Sodium Bicarbonate		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/29/2016	Incorrect quantity	N	short 89/90	trandolapril		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/29/2016	Incorrect quantity	N	short 57/60	Docusate		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/29/2016	Incorrect quantity	N	short 57/60	Docusate		Mechanical Error	Adjust Cell Pressure/Settings

4016	3/20/2016	Incorrect quantity	N	RX was 1 tablet short			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/20/2016	Incorrect quantity	N	RX was 1 tablet short			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/21/2016	Incorrect quantity	N	pv2 broken 179/180	Captopril		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/21/2016	Incorrect quantity	N	pv1 broken capsule 58/60	Hydroxyzine cap		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/23/2016	Incorrect quantity	N	pv2. broken 29-30	ropinirole		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/23/2016	Incorrect quantity	N	PV2. undercount caught at pv	Phenytoin		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/24/2016	Incorrect quantity	N	RX was 2 tablets short			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	broken tablets in vial. auto b	Furosemide	Furosemide	Mechanical Error	Adjust Cell Pressure/Settings
4016	3/18/2016	Incorrect quantity	N	RX was 1 tablet short. NDC 45802-0650-87			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/20/2016	Incorrect quantity	N	pv1 - broken 269/270	Bupirone		Mechanical Error	Adjust Cell Pressure/Settings
4016	3/17/2016	Incorrect quantity	N	RX was 1 tablet short.			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/18/2016	Incorrect quantity	N	RX was 1 tablet short NDC 45802-0650-87			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/18/2016	Incorrect quantity	N	RX vial contained a broken capsule.			Mechanical Error	Adjust Cell Pressure/Settings
4016	3/14/2016	Incorrect quantity	N	Rx contained one broken tablet.			Mechanical Error	Adjust Cell Pressure/Settings
Subtotal = 197	Percentage of Total Scripts(2,030,653) = 0.0097%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Incorrect Safety Cap

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Co
4016	1/1/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	autobagger I forgot snap cap	Cialis	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/1/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	autobagger I forgot snap cap	Pravastatin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/1/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	autobagger I forgot snap cap	levothyroxine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/1/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	bulk - package from GBI line did not contain snap caps with vials	Metformin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/2/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger A: forgot snap cap	Simvastatin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/2/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger A: forgot snap cap	levothyroxine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	1/4/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	AE - missing snap cap	carvedilol	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/4/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	AE - missing snap cap	Namenda	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP,
4016	1/4/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	AE - missing snap cap	Metoprolol	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been i Assurance me remind all PSP
4016	1/4/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	AE - missing snap cap	Lisinopril	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been Assurance me remind all PSF

4016	1/5/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	auto D forgot snap cap	isosorbide mono ER	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/5/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	auto D forgot snap cap	benazepril-hydrochlorothiazide	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/5/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	auto B forgot snap cap	Zetia	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/5/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	H - missing snap cap	?	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/14/2016	Assembly/Filling - Safety cap when not requested	N	Incorrect safety cap	No snap cap in bag		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/30/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	No snap cap/ AE	Amlodipine/valsartan/hctz	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/30/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	No snap cap. AE	Vitamin D	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/30/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	no snap cap. AE	Raloxifene	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/31/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	No snap cap	Furosemide	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech
4016	1/11/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	autobagger forgot snap cap	levothyroxine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting agenda to remind all PSP/tech

4016	1/11/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	Amlodipine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/11/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	Fenofibrate	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/14/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	invokana	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/14/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	Metformin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/14/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	Nortriptyline	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/27/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	No snap cap	pentoxifylline	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/27/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	no snap cap	Isosorbide er	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/27/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	no snap cap	Finasteride	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/27/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	no snap cap	Losartan	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t
4016	1/27/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	no snap cap	Terazosin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been ad Assurance meeti remind all PSP/t

4016	1/25/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: forgot snap cap	Hydrochlorothiazide	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/25/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: forgot snap cap	furosemide	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/25/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: forgot snap cap	Losartan	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/9/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger H forgot snap cap	simvastatin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/14/2016	Assembly/Fillin g - Safety cap when not requested	N	Incorrect safety cap	No snap cap in bag		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/14/2016	Assembly/Fillin g - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	bulk missing snap cap from bag from GBI	levothyroxine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/14/2016	Assembly/Fillin g - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	bulk missing snap cap from bag from GBI	Senna Lax	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	1/19/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	Autobagger E- forgot snap cap in rx bag	Metformin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been Assurance me remind all PSP
4016	1/20/2016	Delivery - Shipping/pack aging	N	Incorrect safety cap	autobagger forgot snap cap	Crestor	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been Assurance me remind all PSF

4016	1/20/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	man pack 3 forgot snap cap	Lisinopril	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/2/2016	Incorrect safety cap	N	autobagger- forgot snap cap in rx bag	Sertraline	Sertraline	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/2/2016	Incorrect safety cap	N	autobagger- forgot snap cap in rx bag	Citalopram	Citalopram	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/2/2016	Incorrect safety cap	N	autobagger- forgot snap cap in rx bag	Bupropion	Bupropion	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/2/2016	Incorrect safety cap	N	autobagger- forgot snap cap in rx bag	pantoprazole	pantoprazole	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/2/2016	Incorrect safety cap	N	autobagger- forgot snap cap in rx bag	Amiodarone	Amiodarone	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/4/2016	Incorrect safety cap	N	snap cap	Simvastatin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	2/4/2016	Incorrect safety cap	N	snap cap	Namenda XR		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	2/4/2016	Incorrect safety cap	N	snap cap	Metoprolol tartrate		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP,
4016	2/4/2016	Incorrect safety cap	N	snap cap	meloxicam		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been Assurance me remind all PSP
4016	2/4/2016	Incorrect safety cap	N	snap cap	glipizide/metformin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been Assurance me remind all PSF

4016	2/22/2016	Incorrect safety cap	N	autobagger E forgot snap cap	levothyroxine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/22/2016	Incorrect safety cap	N	autobagger E forgot snap cap	tizanidine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/22/2016	Incorrect safety cap	N	autobagger E forgot snap cap	levothyroxine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/22/2016	Incorrect safety cap	N	Auto G - Failed to notice snap cap			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/19/2016	Incorrect safety cap	N	autobagger g forgot snap cap	metoprolol tartrate		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/25/2016	Incorrect safety cap	N	No snap cap. Single Pack 2	Omeprazole	Omeprazole	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/24/2016	Incorrect safety cap	N	No snap cap. MultiPack #2	gabapentin	gabapentin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/24/2016	Incorrect safety cap	N	No snap cap. Multipack #3	Sertraline	Sertraline	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/24/2016	Incorrect safety cap	N	bulk missing snap cap	Nitrostat		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/23/2016	Incorrect safety cap	N	Auto G - forgot snap caps	Amlodipine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech
4016	2/17/2016	Incorrect safety cap	N	Sent safety when it was not requested			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been added to Assurance meeting and remind all PSP/tech

4016	2/17/2016	Incorrect safety cap	N	No snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/15/2016	Incorrect safety cap	N	autobagger C forgot snap cap	Metformin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/15/2016	Incorrect safety cap	N	autobagger C forgot snap cap	carbidopa-levodopa		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/15/2016	Incorrect safety cap	N	autobagger c forgot snap cap	Pravastatin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/15/2016	Incorrect safety cap	N	autobagger C forgot snap cap	metoprolol tartrate		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/4/2016	Incorrect safety cap	N	snap cap	tamsulosin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	2/4/2016	Incorrect safety cap	N	No snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/t
4016	3/1/2016	Incorrect safety cap	N	no easy open caps			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee' remind all PSP/
4016	3/8/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger: forgot snapcap	Uloric	Uloric	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	3/10/2016	Incorrect safety cap	N	No safety caps in bag.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP,

4016	3/25/2016	Incorrect safety cap	N	autobagger forgot snap cap	metoprolol tartrate		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/25/2016	Incorrect safety cap	N	autobagger forgot snap cap	duloxetine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/25/2016	Incorrect safety cap	N	autobagger forgot snap cap	Fluoxetine		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/11/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger: forgot snap cap	Hydroxychloroquine	Hydroxychloroquine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/11/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger: forgot snap cap	gabapentin	gabapentin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/13/2016	Incorrect safety cap	N	forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/14/2016	Incorrect safety cap	N	No safety caps were placed into bag.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/14/2016	Incorrect safety cap	N	Forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/14/2016	Incorrect safety cap	N	Forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.
4016	3/11/2016	Incorrect safety cap	N	bulk snap caps not present in bag from GBI	Trazodone		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed in Assurance meeting. remind all PSP/techs.

4016	3/15/2016	Incorrect safety cap	N	Forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/15/2016	Incorrect safety cap	N	forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/15/2016	Incorrect safety cap	N	forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/15/2016	Incorrect safety cap	N	forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/31/2016	Incorrect safety cap	N	forgot snap cap. Single #1	Hydroxychloroquine	Hydroxychloroquine	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/30/2016	Incorrect safety cap	N	forgot snap cap. Auto F	clopidogrel	clopidogrel	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	Missing snap cap	Escitalopram	Escitalopram	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/31/2016	Incorrect safety cap	N	forgot snap cap. autobagger G	Lovastatin	Lovastatin	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/24/2016	Incorrect safety cap	N	Rx didn't have easy open caps			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t
4016	3/24/2016	Incorrect safety cap	N	Rx didn't have easy open cap			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been addressed. Assurance met. remind all PSP/t

4016	3/31/2016	Incorrect safety cap	N	Forgot snap cap.	Seroquel	Seroquel	Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/
4016	3/22/2016	Incorrect safety cap	N	forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/
4016	3/22/2016	Incorrect safety cap	N	Missing Snap caps			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/
4016	3/23/2016	Incorrect safety cap	N	autobagger forgot snap cap	gabapentin		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/
4016	3/23/2016	Incorrect safety cap	N	autobagger forgot snap cap	Lamictal		Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance meet remind all PSP/
4016	3/18/2016	Incorrect safety cap	N	Forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	3/16/2016	Incorrect safety cap	N	forgot snap cap			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP/
4016	3/16/2016	Incorrect safety cap	N	Forgot snap cap.			Human Error: The PSP did not recognize the safety caps addition on their screen.	This has been a Assurance mee remind all PSP

Subtotal = 99	Percentage of Total Scripts(2,030,653) = 0.00487%	Reached Patient = 0	Number of prescriptions through automation 2,030,653
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Other-Paperwork

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Correc
4016	1/14/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Wrong mono in bag		Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	1/22/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	No mono in bag for rx		Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	1/11/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Wrong paperwork		Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	2/25/2016	Other (explain in pharmacy notes if necessary)	N	Missing monograph			Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	2/23/2016	Other (explain in pharmacy notes if necessary)	N	sortation - paperwork for rx#600866-3008 found in rx#419891-1505.	losartan-hctz		Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	2/9/2016	Other (explain in pharmacy notes if necessary)	N	GBI wrong paperwork found in RX bag	ibuprofen		Printer Jam was not cleared immediately	Packer was instructed immediately before co monograph receipts m
4016	2/5/2016	Other (explain in pharmacy notes if necessary)	N	Extra Mono in different pt bag			Printer Jam was not cleared immediately	Packer was instructed immediately before cc monograph receipts m
Subtotal = 7	Percentage of Total Scripts(2,030,653) = 0.00034%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other-Bags

Store#	Date Reported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason For Error	Corrective Action
4016	1/22/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Bag was not sealed		Bad bags	Looking at new company
4016	1/11/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Bag was not sealed		Bad bags	Looking at new company
4016	1/13/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Bag was not sealed		Bad bags	Looking at new company
4016	2/20/2016	Other (explain in pharmacy notes if necessary)	N	Bad seal on bag, so Rx fell out.			Autobagger was se	Autobagger was serviced
4016	2/26/2016	Other (explain in pharmacy notes if necessary)	N	Bad seal on bag, so rx fell out.			Autobagger was se	Autobagger was serviced
4016	2/22/2016	Other (explain in pharmacy notes if necessary)	N	Bag not properly sealed, so rx fell out of bag.			Autobagger was se	Autobagger was serviced
4016	2/3/2016	Other (explain in pharmacy notes if necessary)	N	Bag not sealed properly, so rx fell out.			Autobagger was se	Autobagger was serviced
4016	3/1/2016	Other (explain in pharmacy notes if necessary)	N	bad seal			Autobagger was se	Autobagger was serviced

4016	3/1/2016	Other (explain in pharmacy notes if necessary)	N	bad seal			Autobagger was se	Autobagger was serviced
4016	3/4/2016	Other (explain in pharmacy notes if necessary)	N	bad seal on bag.			Autobagger was se	Autobagger was serviced
4016	3/2/2016	Other (explain in pharmacy notes if necessary)	N	Bad seal on bag.			Autobagger was se	Autobagger was serviced
4016	3/11/2016	Other (explain in pharmacy notes if necessary)	N	rx #2072364 store reported a bad seal on bag			Autobagger was se	Autobagger was serviced
4016	3/11/2016	Other (explain in pharmacy notes if necessary)	N	rx# 2072361 store reported a bad seal on bag			Autobagger was se	Autobagger was serviced
Subtotal = 13	Percentage of Total Scripts(2,030,653) = 0.00064%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other-Caps

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason For Error	Co
4016	1/12/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Crestor	Mechanical Error	Gea cap to re
4016	1/12/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Diltiazem	Mechanical Error	Gea cap to re
4016	1/12/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	gabapentin	Mechanical Error	Gea cap to re
4016	1/14/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Glipizide	Mechanical Error	Gea cap to r
4016	1/14/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	gabapentin	Mechanical Error	Gea cap to r
4016	1/14/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Baclofen	Mechanical Error	Gea cap to i
4016	1/14/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Metformin	Mechanical Error	Ge cap to
4016	1/29/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Loose cap	Gemfibrozil	Mechanical Error	Ge ca to

4016	1/28/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	loose cap AUTO I	Simvastatin	Mechanical Error	Gea capp to re
4016	1/28/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	chipped cap. Auto I		Mechanical Error	Gea capp to re
4016	1/28/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	loose cap. Auto I	Diltiazem	Mechanical Error	Gea capp to re
4016	1/26/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger C: loose cap	Fenofibrate	Mechanical Error	Gea capp to re
4016	1/19/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Autobagger E- loose cap on vial	lamotrigine	Mechanical Error	Gea capp to re
4016	1/19/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Autobagger E- loose cap on vial	Omeprazole	Mechanical Error	Gea capp to r
4016	1/19/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Autobagger E- loose cap on vial	Bupirone	Mechanical Error	Gea capp to r
4016	1/19/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Autobagger E- chipped cap on vial	Atenolol	Mechanical Error	Gea capp to r
4016	1/14/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: chipped cap	Levetiracetam	Mechanical Error	Ge capp to

4016	1/14/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: chipped cap	Metformin	Mechanical Error	Gea cap to re
4016	1/14/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: chipped cap	Levetiracetam	Mechanical Error	Gea cap to re
4016	1/14/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: chipped cap	Diltiazem	Mechanical Error	Gea cap to re
4016	1/10/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger loose cap on vial	Gemfibrozil	Mechanical Error	Gea cap to re
4016	1/10/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Metoprolol	Mechanical Error	Gea cap to re
4016	1/10/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger loose cap on vial	Naproxen	Mechanical Error	Gea cap to r
4016	1/10/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger loose cap on vial	Nifedipine ER	Mechanical Error	Gea cap to r
4016	1/7/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Metformin	Mechanical Error	Ge cap to
4016	1/7/2016	Delivery - Shipping/packaging	N	Incorrect safety cap	autobagger chipped cap on vial	atorvastatin	Mechanical Error	Ge cap to

4016	1/7/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Atenolol	Mechanical Error	Gea cap to r
4016	1/7/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	gabapentin	Mechanical Error	Gea cap to r
4016	1/7/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	Sertraline	Mechanical Error	Gea cap to r
4016	1/7/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	nabumetone	Mechanical Error	Gea cap to r
4016	1/1/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger I lid off on vial packer spilled on floor when picking up	Gemfibrozil	Mechanical Error	Gea cap to r
4016	1/1/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger I lid off vial packer spilled contents when picking up	pnv prenatal	Mechanical Error	Gea cap to r
4016	1/1/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger I no lid on vial	Diltiazem	Mechanical Error	Ge cap to
4016	1/2/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger C: chipped cap	gabapentin	Mechanical Error	Ge ca to
4016	1/3/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Man Pack 3: loose cap	Omeprazole	Mechanical Error	Ge ca to

4016	1/3/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Man Pack 3: chipped cap	Metformin	Mechanical Error	Gea cap to r
4016	1/4/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	AE - chipped cap	levothyroxine	Mechanical Error	Gea cap to r
4016	1/13/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	autobagger chipped cap on vial	janumet	Mechanical Error	Gea cap to r
4016	2/1/2016	Other (explain in pharmacy notes if necessary)	N	cap partly off bottle	Cetirizine	Cetirizine	Mechanical Error	Gea cap to r
4016	2/1/2016	Other (explain in pharmacy notes if necessary)	N	cap partly off bottle	tamsulosin	tamsulosin	Mechanical Error	Gea cap to r
4016	2/1/2016	Other (explain in pharmacy notes if necessary)	N	cap partly off bottle	Metoclopramide	Metoclopramide	Mechanical Error	Gea cap to r
4016	2/1/2016	Incorrect safety cap	N	cap was chipped	Sucralfate	Sucralfate	Mechanical Error	Ge cap to
4016	2/25/2016	Other (explain in pharmacy notes if necessary)	N	pv1 cap loose on vial came to pv	Potassium		Mechanical Error	Ge ca to

4016	2/22/2016	Other (explain in pharmacy notes if necessary)	N	The vial cap was not secure, causing tablets to fall out of the bag.			Mechanical Error	Gea cap to r
4016	2/23/2016	Other (explain in pharmacy notes if necessary)	N	Cap not properly sealed on bottle causing pills to spill in bag.			Mechanical Error	Gea cap to r
4016	2/22/2016	Other (explain in pharmacy notes if necessary)	N	pv2 broken cap of 40 dr vial came to PV	sulfasalazine EC		Mechanical Error	Gea cap to r
4016	2/18/2016	Other (explain in pharmacy notes if necessary)	N	autobagger G. no cap	Omeprazole		Mechanical Error	Gea cap to r
4016	2/21/2016	Other (explain in pharmacy notes if necessary)	N	autobagger B chipped cap on vial	Tacrolimus		Mechanical Error	Gea cap to r
4016	2/15/2016	Other (explain in pharmacy notes if necessary)	N	pv2 cap cracked on vial came to PV	Metformin		Mechanical Error	Ge: cap to
4016	2/15/2016	Other (explain in pharmacy notes if necessary)	N	pv2 cap cracked on vial came to pv	gabapentin		Mechanical Error	Ge ca| to
4016	2/15/2016	Other (explain in pharmacy notes if necessary)	N	pv2 cap cracked on vial came to pv	Metformin ER		Mechanical Error	Ge ca to

4016	2/17/2016	Other (explain in pharmacy notes if necessary)	N	Lid not on properly and tablets dumped out of vial inside prescription bag.			Mechanical Error	Gea cap to r
4016	2/13/2016	Other (explain in pharmacy notes if necessary)	N	Multi-bagger 4 (B) - Chipped cap	Metformin		Mechanical Error	Gea cap to r
4016	2/14/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger I. loose cap	Omeprazole		Mechanical Error	Gea cap to r
4016	2/11/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger E- loose cap on vial, all capsules spilled out inside rx bag	Fluoxetine	Fluoxetine	Mechanical Error	Gea cap to r
4016	2/11/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger G- tablets spilled outside of vial on edge of puck, vial 5 tablets short with no cap	Citalopram	Citalopram	Mechanical Error	Gea cap to r
4016	2/11/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger H- no cap on vial	atorvastatin	atorvastatin	Mechanical Error	Gea cap to r
4016	2/9/2016	Other (explain in pharmacy notes if necessary)	N	autobagger loose cap on vial	Dicyclomine		Mechanical Error	Gea cap to r

4016	2/10/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger I- loose cap on vial	Omeprazole	Omeprazole	Mechanical Error	Gea capp to re
4016	2/10/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger I- loose cap on vial	Omeprazole	Omeprazole	Mechanical Error	Gea capp to re
4016	2/4/2016	Other (explain in pharmacy notes if necessary)	N	loose cap	venlafaxine		Mechanical Error	Gea capp to re
4016	3/2/2016	Other (explain in pharmacy notes if necessary)	N	PV1 - no cap on vial	Depakote Sprinkles		Mechanical Error	Gea capp to re
4016	3/3/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger H- loose cap on vial	Ranexa	Ranexa	Mechanical Error	Gea capp to re
4016	3/3/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger H- loose cap on vial	Ibuprofen	Ibuprofen	Mechanical Error	Gea capp to re
4016	3/3/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger H- loose cap on vial	Lialda	Lialda	Mechanical Error	Gea capp to re
4016	3/3/2016	Other (explain in pharmacy notes if necessary)	N	autobagger H- loose cap on vial	janumet	janumet	Mechanical Error	Gea capp to re
4016	3/3/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger H- loose cap on vial	Triamterene-hctz	Triamterene-hctz	Mechanical Error	Gea capp to re

4016	3/6/2016	Other (explain in pharmacy notes if necessary)	N	Autobagger- no cap on vial	atorvastatin	atorvastatin	Mechanical Error	Gea cap to r
4016	3/8/2016	Other (explain in pharmacy notes if necessary)	N	pv1 broken cap came to PV (16 dr)	Synthroid		Mechanical Error	Gea cap to r
4016	3/29/2016	Other (explain in pharmacy notes if necessary)	N	pv2 no cap on vial came to PV	Metformin		Mechanical Error	Gea cap to r
4016	3/15/2016	Incorrect safety cap	N	Lid was cracked.			Mechanical Error	Gea cap to r
4016	3/27/2016	Other (explain in pharmacy notes if necessary)	N	Vial had a broken cap. Multi-pack #3	Lisinopril	Lisinopril	Mechanical Error	Gea cap to r
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	Lid had a chip in it. Cap was replaced.	Guanfacine	Guanfacine	Mechanical Error	Gea cap to r
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	Cap was cracked	Bupropion	Bupropion	Mechanical Error	Gea cap to r
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	Cap was crushed. AC	Methotrexate	Methotrexate	Mechanical Error	Ge cap to
4016	3/23/2016	Other (explain in pharmacy notes if necessary)	N	autobagger H cracked cap on vial	ferrous sulfate		Mechanical Error	Ge cap to

4016	3/24/2016	Other (explain in pharmacy notes if necessary)	N	packing. broken cap found in vial	venlafaxine			Mechanical Error	Gea cap to r
4016	3/20/2016	Other (explain in pharmacy notes if necessary)	N	pv1 - no cap on vial at pv	Warfarin			Mechanical Error	Gea cap to r
4016	3/16/2016	Other (explain in pharmacy notes if necessary)	N	autobagger- cap on rx vial was damaged	Ranitidine	Ranitidine		Mechanical Error	Gea cap to r
4016	3/16/2016	Other (explain in pharmacy notes if necessary)	N	autobagger- damaged cap on rx vial	Losartan	Losartan		Mechanical Error	Gea cap to r
Subtotal = 80	Percentage of Total Scripts(2,030,653) = 0.00393%	Reached Patient = 0	Number of prescriptions through automation 2,030,653						

Other-Labels

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective Action
4016	1/28/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Label won't scan. Auto I	Metoprolol	alignment on label was	Talked with SA to Feed two labels
4016	1/19/2016	Delivery - Shipping/packaging	N	Other (explain in pharmacy notes if necessary)	Autobagger E-label misprinted	Omeprazole	alignment on label was	Talked with SA to Feed two labels
4016	1/14/2016	Delivery - Other (explain in pharmacy notes)	N	Other (explain in pharmacy notes if necessary)	Autobagger: damaged label	Amitriptyline	alignment on label was	Talked with SA to Feed two labels
4016	3/5/2016	Other (explain in pharmacy notes if necessary)	N	incorrect label on vial from vial labeler			Labels were glued	We spoke with Label company to t
4016	3/5/2016	Other (explain in pharmacy notes if necessary)	N	incorrect label on vial from vial labeler			Labels were glued	We spoke with Label company to t
4016	3/30/2016	Other (explain in pharmacy notes if necessary)	N	bad label. auto B	calcium acetate	calcium acetate	Labels were glued	We spoke with Label company to t
4016	3/23/2016	Other (explain in pharmacy notes if necessary)	N	PV2. Double label over bottle			Labels were glued	We spoke with Label company to t
4016	3/20/2016	Other (explain in pharmacy notes if necessary)	N	pv2 - blank label over top of rx label	lisinopril/hctz		Labels were glued	We spoke with Label company to
Subtotal = 8	Percentage of Total Scripts(2,030,653) = 0.00039%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other-Packaging

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective Action
4016	3/31/2016	Other (explain in pharmacy notes if necessary)	N	Forgot to scan a vial and tried sealing bag causing an error. Multi #2	Losartan	Losartan	Human	Packer was notified of mistake. when successfully scanned dispensed to its name. The packer was notified
4016	3/24/2016	Other (explain in pharmacy notes if necessary)	N	Mono and Vial in bag was different name than what was on the outside of the bag.			Human	Wrong bag was in place for order. packer manually sealed previous order. packer was notified of the error and to seek a supervisor when they felt the need for a manual seal.
4016	3/14/2016	Order mix-up	N	All Patient drugs with extra bottle for another pt.			Human	Packer had an incorrect item on order. packer had an incorrect item on surface that they did not scan. packer packed the order. Packer was notified. Each item must be scanned before being placed into a bag for packaging.
4016	3/9/2016	Order mix-up	N	the wrong patients medication in one of our central fill bags			Human	Packer had an incorrect item on order. packer had an incorrect item on surface that they did not scan. packer packed the order. Packer was notified. Each item must be scanned before being placed into a bag for packaging.
Subtotal = 4	Percentage of Total Scripts(2,030,653) = 0.00019%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other - Replenishment

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective Action
4016	1/11/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	desiccant in cell F1	atorvastatin	Human Error	Technician was notified that desiccant was left in cell
4016	1/11/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	desiccant in cell F1	atorvastatin	Human Error	Technician was notified that desiccant was left in cell
4016	1/11/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	foil in cell B4	Crestor	Human Error	Technician was notified that foil was left in cell
4016	1/25/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	OLRA: 3 dessicants in cell	metformin	Human Error	Technician was notified that desiccant was left in cell
4016	1/8/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	OLRM A dessicant found in cell (41)	atorvastatin	Human Error	Technician was notified that desiccant was left in cell
4016	1/5/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	Rep B: dessicant in cell	gabapentin	Human Error	Technician was notified that desiccant was left in cell
4016	1/6/2016	Entry - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	pv2 cotton in vial	Methotrexate	Human Error	Technician was notified that cotton was left in cell
4016	1/16/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	pv2 foil found in vial	Citalopram	Human Error	Technician was notified that foil was left in cell

4016	1/12/2016	Assembly/Filling - Other (explain in pharmacy notes if necessary)	N	Other (explain in pharmacy notes if necessary)	foil in vial at PV	leflunamide	Human Error	Technician was notified that foil was left in cell
4016	2/27/2016	Other (explain in pharmacy notes if necessary)	N	Desicant found in cell while replenishing at A	Gemfibrozil	Gemfibrozil	Human Error	Technician was notified that desicant was left in c
4016	2/1/2016	Other (explain in pharmacy notes if necessary)	N	Desicant found in cell	Metformin	Metformin	Human Error	Technician was notified that desicant was left in c
4016	3/29/2016	Other (explain in pharmacy notes if necessary)	N	desicant found in replenished cell. OLR A	nabumetone	nabumetone	Human Error	Technician was notified that desicant was left in c
Subtotal = 12	Percentage of Total Scripts(2,030,653) = 0.00059%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other - Inventory, Stocking

Store#	Date Reported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corre
4016	2/1/2016	Other (explain in pharmacy notes if necessary)	N	Replenishment A- tech went to replenish Amitriptyline 10mg and found 24 bottles of Amitriptyline 25mg in same location as Amitriptyline 10mg	Amitriptyline	Amitriptyline	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/24/2016	Other (explain in pharmacy notes if necessary)	N	OLR A - Found @ 75-231 should have been 78-643	olanzapine		Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/22/2016	Other (explain in pharmacy notes if necessary)	N	Amitiza 24 found in wrong location.	Mirtazapine		Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/22/2016	Other (explain in pharmacy notes if necessary)	N	Synthroid 175 found in wrong location.	Synthroid		Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/15/2016	Incorrect strength	N	GBI returned to stock placed in incorrect location	montelukast	montelukast	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/12/2016	Incorrect drug	N	Replenishment "A" - Topiramate 50 RTS in wrong location (with the amitriptyline)	Amitriptyline		Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/8/2016	Other (explain in pharmacy notes if necessary)	N	olr-B Mycophenolate (76 3-2-2) was found on shelf in row 78.	MYCOPHENOLATE		Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/9/2016	Other (explain in pharmacy notes if necessary)	N	OLR B captopril bottle (80-762) in spot for tamoxifen (80-761)	Tamoxifen	Captopril	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/9/2016	Other (explain in pharmacy notes if necessary)	N	OLR B metoprolol bottle (92-312) in spot for pantoprazole (92-305)	pantoprazole	metoprolol ER	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/7/2016	Incorrect drug	N	Replenishment- inventory in wrong spot on shelf	Atenolol	Triamterene-Hctz	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/3/2016	Other (explain in pharmacy notes if necessary)	N	OLR B amiodarone placed on wrong shelf	lisinopril/hctz	Amiodarone	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/4/2016	Incorrect drug	N	OLRA - midodrine 10mg placed in location for midodrine 2.5mg	Midodrine	Midodrine	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	2/5/2016	Other (explain in pharmacy notes if necessary)	N	OLR A crestor 40 put in wrong location	Crestor	Crestor	Human Error	Instructed inventory and check the items put away is shelved correctly.

4016	2/5/2016	Other (explain in pharmacy notes if necessary)	N	OLR A atenolol placed in wrong location	Atenolol	triamterene/hctz	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/1/2016	Other (explain in pharmacy notes if necessary)	N	olr A- fenofibrate 200mg (74 262) found on shelf with fenofibrae 134mg (73 232).	Fenofibrate	Fenofibrate	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/2/2016	Incorrect strength	N	Replenishment A- found 2 boxes of 50 count Amitriptyline 50mg on shelf with Amitriptyline 10mg	Amitriptyline	Amitriptyline	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/2/2016	Incorrect strength	N	Replenishment B- multiple bottles of Amitriptyline 10mg found on shelf with Amitriptyline 50mg	Amitriptyline	Amitriptyline	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/8/2016	Other (explain in pharmacy notes if necessary)	N	inventory tech - xarelto 15 found in invokana location (73-362)	invokana	xarelto	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/8/2016	Incorrect drug	N	Replenishment A: 2 bottles of Xarelto found on shelf with Invokana	Invokana	Xarelto	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/9/2016	Incorrect drug	N	Replenishment B: one bottle of sertraline on shelf with gabapentin	gabapentin	Sertraline	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/10/2016	Other (explain in pharmacy notes if necessary)	N	Replenishment B: found 9 bottles in wrong location-- 80, should be 4-3-1 and found in 3-3-1	Fluoxetine	Fluoxetine	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/15/2016	Incorrect drug	N	GBI Lo Loestrin FE placed in location of microgestin. Technician grabbed wrong drug from correct location	microgestin FE	Lo Loestrin FE	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/30/2016	Incorrect drug	N	A bottle of lamotrigine 150 was on the shelf with lamotrigine 25.	lamotrigine	lamotrigine	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/21/2016	Other (explain in pharmacy notes if necessary)	N	inventory tech - verapamil (73-421) found with pyridostigmine (77-542)	Pyridostigmine	verapamil ER	Human Error	Instructed inventory and check the items put away is shelved correctly.
4016	3/15/2016	Incorrect drug	N	olr A amiodarone #48 bottles placed on lisinopril-hctz location	lisinopril-hctz	Amiodarone	Human Error	Instructed inventory and check the items put away is shelved correctly.
Subtotal = 25	Percentage of Total Scripts(2,030,653) = 0.00123%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					

Other - Sortation

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Reason for Error	Corrective Action
4016	1/11/2016	Delivery - Order mix-up	N	Order mix-up	RX sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/8/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX sent to Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/4/2016	Assembly/ Filling - Order mix up	N	Order mix-up	rx was sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/4/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX was sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/4/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX was sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/5/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX was sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/5/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/11/2016	Assembly/ Filling - Order mix up	N	Order mix-up	Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.

4016	1/11/2016	Assembly/ Filling - Order mix up	N	Other (explain in pharmacy notes if necessary)	RX sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/18/2016	Assembly/ Filling - Order mix up	N	Order mix-up	Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/18/2016	Assembly/ Filling - Order mix up	N	Order mix-up	Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/22/2016	Entry - Order mix- up	N	Order mix-up	Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/13/2016	Assembly/ Filling - Order mix up	N	Order mix-up	Wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	1/11/2016	Assembly/ Filling - Order mix up	N	Order mix-up	RX sent to wrong store		Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	2/1/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	2/1/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.
4016	2/1/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops Staff were notified of the error.

4016	2/2/2016	Order mix-up	N	Wrong store			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/3/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/15/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/16/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/16/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/17/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/21/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/15/2016	Order mix-up	N	Packaged shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis dro Staff were notified of the error.
4016	2/15/2016	Order mix-up	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drc Staff were notified of the error.

4016	2/17/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/10/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/11/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/7/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/7/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	2/16/2016	Incorrect delivery	N	Package shipped to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/1/2016	Order mix-up	N	Rx to wrong location.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/1/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis dro Staff were notified of the error.
4016	3/1/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drc Staff were notified of the error.

4016	3/3/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/3/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/4/2016	Order mix-up	N	RX sent to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/4/2016	Order mix-up	N	rx sent to wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/4/2016	Order mix-up	N	rx sent to wrong store			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/7/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/7/2016	Order mix-up	N	RX vial was packed in wrong patient and store bag.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/7/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.
4016	3/7/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drop Staff were notified of the error.

4016	3/2/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/2/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/8/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/9/2016	Order mix-up	N	RX was sent to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/10/2016	Order mix-up	N	Rx was delivered to the was store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/10/2016	Order mix-up	N	RX was delivered to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/10/2016	Order mix-up	N	RX was Delivered to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/11/2016	Order mix-up	N	RX was delivered to the wrong store.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/14/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.

4016	3/15/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/15/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/24/2016	Order mix-up	N	Rx was sent to wrong location			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/20/2016	Order mix-up	N	Rx was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/20/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/20/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/18/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/18/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.
4016	3/17/2016	Order mix-up	N	RX was placed into wrong tote.			Item tipped into wrong lane at the end of the sorter machine and was not caught by two separate staff checks.	Sorter has been tuned to cause few mis drops. Staff were notified of the error.

Subtotal = 62	Percentage of Total Scripts(2,030,653) = 0.00305%	Reached Patient = 0	Number of prescriptions through automation 2,030,653
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Other-Miscellaneous

Store#	DateReported	QRE Type	Reached Patient	Desc	Prescription	Dispensed	Error Type	Corrective Action
4016	2/24/2016	Other (explain in pharmacy notes if necessary)	N	pv1 man count drug plastic piece found in vial with drug	Warfarin		Human Error	Talked with Manual Count Employee
4016	2/25/2016	Other (explain in pharmacy notes if necessary)	N	GBI vial for 1911176 found in single package for 513193 when placed for rph reseal. Package for 1911176 was found needing reseal and only missing the vial. Both vials were listing as sorting when found.	513193-1628	1911176-1449	Human Error	Second vial was found loose in the sortation section errantly placed in other unsealed bag. This was caught by pharmacist before the bag was fully sealed and sent to maintenance facility. Maintenance staff have been sent to a contractor servicing our autobagging machines to decrease the number of unsealed bags within the packing section. All machines are currently being serviced.
4016	3/1/2016	Other (explain in pharmacy notes if necessary)	N	Package insert for Levora included on a patient's sumatriptan.			Human	Package insert fell off of Levora when it was being handled by technician exceptions. Notify technician to properly secure insert with tape.
4016	3/29/2016	Order mix-up	N	GBI tech in training placed inner label for fluticasone on sprintec. Tech asked trainer if it was okay but trainer admitted to not paying attention to the question. Tech in training not being supervised	fluticasone	Sprintec	Human	Had training tech supervise closer
Subtotal = 4	Percentage of Total Scripts(2,030,653) = 0.00019%	Reached Patient = 0	Number of prescriptions through automation 2,030,653					



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 Nevada, IA 50201
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Nick Dahlke
 Pharmacy Manager

2015 End of Year Board of Pharmacy Telepharmacy Report

This is the 2015 end of year report for the pilot Telepharmacy project in Zearing. We have seen a steady increase in prescription fills and all around business. There has been a very positive reaction to having the Telepharmacy in the community. We did have a new technician take over full-time, as the founding technician ended up moving to Colorado for a new job that her husband obtained. The now full-time technician has been with NuCara for 5 years and had worked at the Marshalltown NuCara prior to accepting the position in Zearing.

We continue to do monthly inspections of the pharmacy. There are still daily deliveries between the managing pharmacy in Nevada and the Telepharmacy in Zearing as needed.

Table 1: Total number of prescriptions filled by month (2015-2016)

	Quarter 1 2015 January-March	Quarter 2 2015 April-June	Quarter 3 2015 July-September	Quarter 4 2015 October- December
Total Number of RX Filled	2211	2295	2256	2433

Table 2: Average number of prescriptions filled by day (2015 by quarter)

Average Fills by Day	Quarter 1 2015 January-March	Quarter 2 2015 April-June	Quarter 3 2015 July-September	Quarter 4 2015 October-December
Monday	45	48	44	49
Tuesday	31	33	38	41
Wednesday	34	31	28	36
Thursday	30	33	31	36
Friday	33	33	30	25

There was one documented quality related event that reached the patient. It did not cause harm to the patient and both the patient and prescriber were notified about the error. The error occurred during the entry process and was input as the wrong drug form. The Telepharmacy utilizes NuCara's continuous quality improvement website to document all errors. Upon discovery of an error, the technician on site will immediately notify the pharmacist in charge.

Our two main areas of focus in 2016 include growing the prescription volume and increasing patient interaction with the pharmacist via the tablet. We will continue to be involved in the community and participate in local events.

“Passionately Committed”

www.nucara.com

**A Pharmacy Pilot or Demonstration Research Project for a
New Practice Model for Community Pharmacy**

A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in
Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa

PHASE ONE (8TH QUARTER)/PHASE TWO (5TH QUARTER)

QUARTERLY REPORT

Iowa Pharmacy Association &
Drake University College of Pharmacy and Health Sciences

Primary Contact:

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New Practice Model Program Manager
Iowa Pharmacy Association
8515 Douglas Avenue, Suite 16
Des Moines, IA 50322
515-270-0713 (office)
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Secondary Contact:

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Vice President of Professional Affairs
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Submitted to the Iowa Board of Pharmacy

June 30, 2016

LEADERSHIP TEAM MEMBERS

Megan Myers, PharmD, will serve as Project Coordinator. She will oversee the project, conduct regular on-site visits with each site, coordinate the study activities, chair the regular team meetings, and lead the writing of the study reports to the Board of Pharmacy.

Michael Andreski, RPh, MBA, PhD, Assistant Professor of Social and Administrative Pharmacy, Drake University College of Pharmacy and Health Sciences serves as research consultant and principal investigator, participates in regular team meetings, and participates in the writing of the study report.

T.J. Johnsrud, NuCara Health Management, Inc., provides a pharmacy management perspective for coordinating the community pharmacy clinical services and Tech-Check-Tech programs within the community pharmacy sites. He participates in regular team meetings.

Anthony Pudlo, PharmD, MBA, BCACP, Vice-President of Professional Affairs, and Kate Gainer, PharmD, Executive Vice President/CEO, Iowa Pharmacy Association, will oversee coordination of clinical pharmacy services available to community pharmacy sites in this study.

IPA'S NPM GOALS:

- 1) Sites are using Tech-Check-Tech (TCT) at least 75% of business days (M-F).
- 2) Sites to submit data collected for both research aims within 7 days of the end of the month.
- 3) Sites to increase time spent counseling patients on both new and refilled prescriptions.
- 4) Pharmacists are providing expanded patient care services including increasing volume of established services and successful implementation of new services.

PHARMACY SITE-SPECIFIC INFORMATION

Pharmacy Site #1:

Towncrest Pharmacy
2306 Muscatine Avenue
Iowa City, IA 52240
319.337.3526
License #838
Mike Deninger, Pharmacist-In-Charge
License #17620
Randy McDonough, On-Site Responsible
Pharmacist
License #16918

Pharmacy Site #2:

Mercy Family Pharmacy
1111 3rd Street SW
Dyersville, IA 52040
563.875.7624
License #129
Julie Panosh, Pharmacist-In-Charge
License #19527

Pharmacy Site #3:

Medicap Pharmacy #8003
105 Lincoln Way
Ames, IA 50010
515.232.1653
License #123
Stephanie McCollom, Pharmacist-In-Charge
License #21189

Pharmacy Site #4:

NuCara Pharmacy #11
120 E. Madison Street
Washington, IA 52353
319.653.5404
License #342
Rachel Clemens, Pharmacist-In-Charge
Participated June 2, 2014 – July 31, 2015

Pharmacy Site #5:

NuCara Pharmacy #30
107 N Main Street
Lenox, IA 50851
641.333.2260
License #1454
Alicia Lynn, Pharmacist-In-Charge
License #21963

Pharmacy Site #6:

NuCara Pharmacy #12
500 2nd Street
Traer, IA 50675
319.478.8711
License #467
Phyllis A. McKee, Pharmacist-In-Charge
License #13929

Pharmacy Site #7:

NuCara Pharmacy #10
621 Broad Street
Story City, IA 50248
515.733.2233
License #78
Betty Grinde, Pharmacist-In-Charge
License #15568
Participated June 2, 2014 – January 31, 2016

Pharmacy Site #8:

Thrifty White Pharmacy #42
400 Grand Ave
Spencer, IA 51301
712-262-1523
License #504
Amy Fitch, Pharmacist-In-Charge
License #17211

Pharmacy Site #9:

Hy-Vee Pharmacy #1192
115 South 29th Street
Fort Dodge, IA 50501
515-576-5320
License #981
Thomas F. Donner, Pharmacist-In-Charge
License #16040
Christine Donner-Tiernan, On-Site Responsible
Pharmacist

Pharmacy Site #10:

Walgreens Pharmacy #12108
2719 Grand Ave
Ames, IA 50010
515-232-8276
License #804
Anne Stover Garcia, Pharmacist-In-Charge
License #20768

Pharmacy Site #11:

Hartig Drug #3
2255 JFK Road
Dubuque, IA 52002
563-588-8708
License #767
Emily Vyverberg, Pharmacist-In-Charge
License #21065

Pharmacy Site #12:

Main at Locust Pharmacy and Medical Supplies
129 W Locust St
Davenport, IA 52803
563-324-1641
License #774
Lisa C Ploehn, Pharmacist-In-Charge
License #16831

Pharmacy Site #13:

Target Pharmacy
3400 Edgewood Rd SW
Cedar Rapids, IA 52404
319-396-4777
License #1135
Sarah Lewis, Pharmacist-In-Charge
License #21575
Participated Feb. 2, 2015 – Dec. 15, 2015

Pharmacy Site #14:

Wester Drug; License #399
315 E 2nd Street
Muscatine, IA 52761
563-263-7044
Cory Garvin, Pharmacist-In-Charge
License #20245
Michelle Garvin, Pharmacy Owner, Certified
Pharmacy Technician
CPHT#38010161153651; Registration # 2016

Pharmacy Site #15:

Medicap Pharmacy #8036
208 E. Euclid Ave.
Indianola, IA 50125
515-961-5303
License # 495
Shanna Zwanziger, Pharmacist-In-Charge
License #19096

Pharmacy Site #16:

Thrifty White Pharmacy #56
1320 Broadway
Denison, IA 51442
712-263-4646
License #157
Tim Weber, Pharmacist-In-Charge
License #17699

Pharmacy Site #17:

Walgreens Pharmacy #07967
15601 Hickman Rd
Clive, IA 50325
515-961-5303
License #1257
Kori Nagel, Pharmacist-In-Charge
License #20047

Aim 1: Implement and assess the impact of a Tech-Check-Tech program in community pharmacies in Iowa on patient safety measures. “50 refills per month for the remainder of the project will be double checked for errors.”

	Aggregate data from Technician checked prescriptions collected Feb. 1st – April 30th			Aggregate data from Baseline collection (pharmacist-checked prescriptions)		
	Phase 1	Phase 2	Total	Phase 1	Phase 2	Total
Total Rx Refills Checked	750	1,411	2,161	5,565	7,884	13,449
Wrong Drug	0	3	3	1	0	1
Wrong Strength	0	0	0	0	0	0
Safety Cap Error	0	1	1	8	18	26
Wrong Amount	0	2	2	2	19	21
Other Errors	0	2	2	4	13	17
Total Errors	0	8	8	15	50	65
<i>Patient-Safety Errors</i>	0	3	3	2	4	6
<i>Administrative Errors</i>	0	5	5	13	46	59

For Total Aggregate Data from Technician checked prescriptions collected February 1st – April 30th:

	Total Errors		Patient-Safety Errors		Administrative Errors	
	Baseline	TCT	Baseline	TCT	Baseline	TCT
Error Rate	0.48%	0.37%	0.04%	0.14%	0.44%	0.23%
Mean	0.483% (±0.15%)	0.36% (±0.15%)	0.053% (±0.1%)	0.135% (±0.27%)	0.432% (±0.57%)	0.23% (±0.47%)
p-value compared to baseline		0.568		0.296		0.292
Range	0 – 1.73%	0 – 1.73%	0 – 0.27%	0 - 0.66%	0 – 1.47%	0 – 1.33%

Discussion:

All error rates were similar to baseline. Patient-safety has most likely not been compromised with technician-verification of refill prescriptions. The overall error rate (p=0.57), patient-safety error rate (p=0.296), and administrative error rate (p=0.292) showed no statistically significant differences compared to baseline.

*Please see appendix A for individual site data.

Aim 2: Implement and assess the impact of a Tech-Check-Tech program in community pharmacies in Iowa and in facilitating the provision of community pharmacist-provided medication therapy management.

“The primary data sources will be self-reported pharmacist daily activity logs and numbers of both compensated and identified opportunities for MTM and other patient care services. Once the Tech-Check-Tech procedures have been initiated and are performing adequately as defined above, the pharmacist(s) at the participating pharmacies will begin to focus on increasing the amount of MTM services provided.”

Aggregate data: Composition of Pharmacist Day for TCT data collected Feb. 1st – April 30th

Pharmacist Time Spent in:	<u>TCT Phase 1</u>	<u>TCT Phase 2</u>	<u>TCT Combined</u>	<u>Baseline Combined</u>	<u>p-value*</u>
Dispensing	38.86% Range= 33.51% – 54.61%	51.19% Range= 20.81% – 87.32%	47.19% Range= 20.81% – 87.32%	71.38% Range= 38.73% – 85.99%	0.001
Patient Care	41.76% Range= 17.65% – 51.03%	34.65% Range= 7.08% – 54.15%	36.96% Range= 7.08% – 54.15%	16.19% Range= 8.23% – 32.16%	0.000
Practice Development	6.22% Range= 0.038% – 17.65%	2% Range= 0% – 4.39%	3.37% Range= 0% – 17.65%	2.55% Range= 0% – 14.43%	0.766
Management	12.34% Range= 2.50% – 17.65%	11.41% Range= 1.73% – 22.49%	11.71% Range= 1.73% – 22.49%	7.81% Range= 2.16% – 24.56%	0.259
Other activities**	0.82% Range= 0% – 1.31%	0.75% Range= 0% – 4.44%	0.77% Range= 0% – 4.44%	2.07% Range= 0% – 14.66%	0.163

*P-value for aggregate data of all sites compared to baseline

**Other Activities included precepting pharmacy students and specialty compounding.

Discussion:

The amount of time pharmacists spend in dispensing has decreased with a corresponding increase in patient care activities and no significant change in other categories. This is consistent to results from previous quarters. There was a statistically significant increase in the amount of pharmacist time spent in patient care in both groups and overall, and a statistically significant decrease in the amount of pharmacist time spent in dispensing activities.

*Please see appendix A for individual site data.

Aggregate data: Number of Services Provided for TCT data collected February 1st – April 30th

Number of Patient Care Services Per Pharmacist Hour	<u>TCT Phase 1</u>	<u>TCT Phase 2</u>	<u>TCT Combined</u>	<u>Baseline Combined</u>	<u>P-Value*</u>
Reimbursed Services	0.09 Range= 0.05 – 0.17	0.25 Range= 0.04 – 0.60	0.20 Range= 0.04 – 0.60	0.31 Range= 0 – 1.98	0.379
Non-Reimbursed Services	4.01 Range= 2.44 – 6.59	3.02 Range= 1.17 – 5.26	3.34 Range= 1.17 – 6.59	2.02 Range= 0.13 – 11.24	0.101
Total Patient Care Services	4.10 Range= 2.55 – 6.65	3.27 Range= 1.25 – 5.56	3.52 Range= 1.25 – 6.65	2.34 Range= 0.14 – 11.75	0.153

* P-value for aggregate data of all sites compared to baseline

Discussion:

There was no statistically significant change in the amount of overall (p=0.153), non-reimbursed (p=0.101), or reimbursed (p=.0379) patient care services per pharmacist hour. Overall services and non-reimbursed patient care services per hour have increased, while there has been a slight decrease in reimbursed services. The lack of growth in number of reimbursed services may be due to lack of available reimbursement for pharmacist services.

In other words, over an average 8-hour shift, the pharmacist at baseline performed approximately 2.5 reimbursed services and 16 non-reimbursed services. This quarter with TCT, over an average 8-hour shift, the pharmacist performed approximately 1.5 reimbursed services and 27 non-reimbursed services. The lower amount of reimbursed services this quarter may be due to the natural fluctuation of opportunity that occurs with immunizations and MTM cases.

*Please see appendix A for individual site data.

Aggregate Data: Number of services per pharmacist hour (all sites):

<u>Service Type</u>	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>	<u>p-value compared to baseline*</u>
Prescription Counseling Reimbursed	Avg. = 0.04 6/17 Pharmacies Provided	Avg. = 0.01 2/14 pharmacies provided	p=0.366
Prescription Counseling Non-Reimbursed	Avg. = 1.66 17/17 Pharmacies Provided	Avg. = 2.38 14/14 pharmacies provided	p=0.219
Drug Therapy Problems Identified Through Dispensing DUR Reimbursed	Avg. = 0.003 3/17 Pharmacies Provided	Avg. = 0.01 2/14 pharmacies provided	p=0.807
Drug Therapy Problems Identified Through Dispensing DUR Non-Reimbursed	Avg. = 0.125 17/17 Pharmacies Provided	Avg. = 0.48 13/14 pharmacies provided	p=0.280
Drug Information Request Reimbursed	Avg. = 0.008 3/17 Pharmacies Provided	Avg. = 0 0/14 pharmacies provided	p=0.353
Drug Information Request Non-Reimbursed	Avg. = 0.336 17/17 Pharmacies Provided	Avg. = 0.16 14/14 pharmacies provided	p=0.032
Patient Education Reimbursed	Avg. = 0.004 2/17 Pharmacies Provided	Avg. = 0.01 1/14 pharmacies provided	p=0.653
Patient Education Non-Reimbursed	Avg. = 0.069 16/17 Pharmacies Provided	Avg. = 0.09 14/14 pharmacies provided	p=0.385
Immunizations Reimbursed	Avg. = 0.214 11/17 Pharmacies Provided	Avg. = 0.02 12/14 pharmacies provided	<i>p=0.068</i>
Immunizations Non-Reimbursed	Avg. = 0.003 4/17 Pharmacies Provided	Avg. = 0.001 2/14 pharmacies provided	p=0.604
Injection Administration Reimbursed	Avg. = 0.003 7/17 Pharmacies Provided	Avg. = 0.01 8/14 pharmacies Provided	p=0.047
Injection Administration Non-Reimbursed	Avg. = 0.00 0/17 Pharmacies Provided	Avg. = 0 0/14 pharmacies Provided	NA

*Bold indicates statistically significant, and italicized indicates trending towards statistical significance.

Aggregate Data: Number of services per pharmacist hour (continued):

<u>Service Type</u>	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>	<u>p-value compared to baseline</u>
Patient Screening/Testing Reimbursed	Avg. = 0.0043 3/17 Pharmacies Provided	Avg. = 0.01 3/14 pharmacies provided	p=0.663
Patient Screening/Testing Non-Reimbursed	Avg. = 0.05 10/17 Pharmacies Provided	Avg. = 0.01 8/14 pharmacies provided	p=0.825
MTM Current Medication List/History Reimbursed	Avg. = 0.005 6/17 Pharmacies Provided	Avg. = 0.04 9/14 pharmacies provided	p=0.158
MTM Current Medication List/History Non-Reimbursed	Avg. = 0.009 8/17 Pharmacies Provided	Avg. = 0.02 8/14 pharmacies provided	p=0.174
MTM Medication Reconciliation Reimbursed	Avg. = 0.009 6/17 Pharmacies Provided	Avg. = 0.02 7/14 pharmacies provided	p=0.185
MTM Medication Reconciliation Non-Reimbursed	Avg. = 0.019 9/17 Pharmacies Provided	Avg. = 0.12 7/14 pharmacies provided	p=0.382
MTM Patient Follow-up Reimbursed	Avg. = 0.005 5/17 Pharmacies Provided	Avg. = 0.03 7/14 pharmacies provided	p=0.106
MTM Patient Follow-up Non-Reimbursed	Avg. = 0.006 4/17 Pharmacies Provided	Avg. = 0.01 5/14 pharmacies provided	p=0.821
MTM Patient Interview Reimbursed	Avg. = 0.001 5/17 Pharmacies Provided	Avg. = 0.03 12/14 pharmacies provided	p=0.014
MTM Patient Interview Non-Reimbursed	Avg. = 0.007 5/17 Pharmacies Provided	Avg. = 0.01 7/14 pharmacies provided	p=0.594
MTM Provider Consult Reimbursed	Avg. = 0.003 5/17 Pharmacies Provided	Avg. = 0.01 6/14 pharmacies provided	p=0.224
MTM Provider Consult Non-Reimbursed	Avg. = 0.029 7/17 Pharmacies Provided	Avg. = 0.04 10/14 pharmacies provided	p=0.521
MTM Other Services Reimbursed	Avg. = 0.002 2/17 Pharmacies Provided	Avg. = 0.01 3/14 pharmacies provided	p=0.795
MTM Other Services Non-Reimbursed	Avg. = 0.07 2/17 Pharmacies Provided	Avg. = 0.02 4/14 pharmacies provided	p=0.807

*Bold indicates statistically significant, and italicized indicates trending towards statistical significance.

Discussion:

This quarter, there appeared to be a statistically significant increase in non-reimbursed drug information requests, reimbursed injection administration and MTM patient interviews as compared to baseline measures, along with a trend towards a statistically significance increase in immunizations administered.

SUMMARY

- Tech-Check-Tech portion of the study in Phase I sites went live on June 2, 2014. Tech-Check-Tech portion of the study in Phase II sites went live on February 2, 2015.
 - On average, Phase I sites used the Tech-Check-Tech model approximately 61.72% of the time this quarter, not including weekends and holidays. The range was 37.69 – 83.58%. This is an improvement from previous quarters.
 - On average, Phase II sites used the Tech-Check-Tech model approximately 74.92% of the time this quarter, not including weekends and holidays. The range was 28.46% to 98.46%. This is comparable to previous quarters.
 - Overall sites used the Tech-Check-Tech model approximately 70.2% of the time, which is near our goal of 75%.

- A small group from the NPM task force met on December 22, 2014 to establish guidelines on when to consider discontinuation of the project due to a site's inability to fully participate in the NPM project requirements (see Appendix B). The group recognized the importance of reviewing each site on a case-by-case basis.
 - Two sites from Phase II were being considered in need of a formal action plan last quarter.
 - One based on low number of TCT days.
 - Upon site visit it was determined that the site was utilizing TCT in the mornings only. One of the checking technicians is currently on maternity leave which also affected the number of TCT days. A plan was set to utilize TCT both in the mornings and afternoons which should dramatically improve their use of TCT. This site will be monitored closely for the remainder of the pilot.
 - One based on low number of patient care services and difficulty submitting data on time.
 - Upon site visit it was determined the site was incorrectly categorizing activities into the 'other' category that were patient care activities. Also, the data was not being received due to an internet connectivity issue with the in-window computer. Site committed to submitting data from the office computer and all data was received on time for this quarter. No action plan is currently needed.
 - One site from Phase I discontinued participation due to core staff changes.

- IPA supported the sites throughout the pilot with multiple live meetings and frequent site visits.
 - The IPA project manager completed one site visit to each site this quarter. IPA hosted a live meeting planned on March 31, 2016. The next live meeting is scheduled June 17, 2016.

EXPANDING PHARMACIST-PROVIDED PATIENT CARE SERVICES

- Sites are working on:
 - Many sites are working on meeting requirements to join the Wellmark Pay for Performance Network and the Community Pharmacy Enhanced Services Network
 - Expanding MTM opportunities
 - Expanding immunizations offered
 - Expanding Med Sync, compliance packaging and adherence programs
 - Pursuing collaborative practice agreements (areas of focus include hypertension, diabetes, INR monitoring, and therapeutic alternatives)
 - Implementing programs for patients to receive anti-psychotic injections at pharmacy

PHARMACIST AND TECHNICIAN TRAINING

- Required pharmacist and technician training modules were completed by all initial participating staff by November 14, 2014.
 - No additional staff were added that required training. Three certified technicians were added as filling technicians and will complete training modules by July 31, 2016 (see Appenix C).
- Revised CEI modules are available for future staff additions. Modules are being used for phase I and phase II sites. The modules are on-demand and accredited for C.P.E.
 - Modules were available starting September 9, 2014.

CONCLUSION

There has been no statistical difference in error rates on refills for Phase I or Phase II sites with Tech-Check-Tech as compared to the traditional Pharmacist-Check-Tech model. The Tech-Check-Tech intervention continues to be a successful approach to increasing the amount of time pharmacists spent in patient care in a statistically significant amount. Patient care services per pharmacist hour have not increased in a statistically significant manner this quarter, and continued efforts will be made to support sites in growing services.

PHASE ONE PROJECT TIMELINE

Month 1-3	Project start-up; Finalize procedures for MTM service delivery and data collection
Month 2	Submit proposal to Iowa Board of Pharmacy for pilot/demonstration project – <i>Approved March 12, 2014</i>
Month 5	Community pharmacies implement Tech-Check-Tech programs; pharmacists engage in collaborative practice agreements for patient care delivery – <i>Implemented TCT June 2, 2014</i>
Month 23	Pilot project authority expires for Tech-Check-Tech <i>Pilot ends December 2, 2015</i> <i>Approved September 2, 2015 to renew pilot through Aug 2, 2016</i>
Month 22-24	Data analyses and report writing

PHASE TWO PROJECT TIMELINE

Month 1-3	Project start-up; Identify sites
Month 2	Submit proposal to Iowa Board of Pharmacy for pilot/demonstration project – <i>Approved November 19, 2014</i>
Month 5	Community pharmacies implement Tech-Check-Tech programs; pharmacists engage in collaborative practice agreements for patient care delivery – <i>Implemented TCT February 2, 2015</i>
Month 23	Pilot project authority expires for Tech-Check-Tech <i>Pilot ends August 2, 2016</i>
Month 22-24	Data analyses and report writing

APPENDIX A

Individual Site Data for Site A:

<u>Site A Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site A data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	150	Total Prescription Refills Checked	752
Wrong Drug	0	Wrong Drug	1
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	0
Wrong Amount	0	Wrong Amount	0
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	1
Overall Error Rate	0.0%	Overall Error Rate	0.13%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	71.02%	47.78%
Time Spent in Management	10.25%	2.5%
Time Spent in Patient Care	16.60%	45.97%
Time Spent in Practice Development	0.62%	3.75%
Time Spent in Other Activities	1.50%	0.0%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.00	0.05
Non-Reimbursed Patient Services Care	1.99	6.59
Total Patient Care Services	1.99	6.65

Percent of time utilizing TCT = 37.69%

Individual Site Data for Site B:

<u>Site B Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site B data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	150	Total Prescription Refills Checked	758
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	3
Wrong Amount	0	Wrong Amount	0
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	3
Overall Error Rate	0%	Overall Error Rate	0.396%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	69.56%	41.55%
Time Spent in Management	9.17%	6.51%
Time Spent in Patient Care	17.44%	51.03%
Time Spent in Practice Development	0.71%	0.91%
Time Spent in Other Activities	3.11%	0%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.086	0.17
Non-Reimbursed Patient Services Care	1.84	3.04
Total Patient Care Services	1.93	3.21

Percent of time utilizing TCT = 63.08%

Individual Site Data for Site C:

Site C Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site C data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	150	Total Prescription Refills Checked	752
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	0
Wrong Amount	0	Wrong Amount	0
Other Errors	0	Other Errors	1
Total Errors	0	Days' Supply =1 Total Errors	1
Overall Error Rate	0%	Overall Error Rate	0.13%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	74.47%	54.61%
Time Spent in Management	9.26%	11.36%
Time Spent in Patient Care	14.95%	33.65%
Time Spent in Practice Development	1.32%	0.38%
Time Spent in Other Activities	0.00%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.00	0.11
Non-Reimbursed Patient Services Care	1.99	2.45
Total Patient Care Services	1.99	2.55

Percent of time utilizing TCT = 81.54%

Individual Site Data for *Site D*:

<p><u>Site D Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u></p> <p>No longer in project</p>	<p><u>Site D data from Baseline collection (Pharmacist-checked prescriptions):</u></p> <table> <tr> <td>Total Prescription Refills Checked</td> <td>750</td> </tr> <tr> <td>Wrong Drug</td> <td>0</td> </tr> <tr> <td>Wrong Strength</td> <td>0</td> </tr> <tr> <td>Safety Cap Error</td> <td>4</td> </tr> <tr> <td>Wrong Amount</td> <td>0</td> </tr> <tr> <td>Other Errors</td> <td>0</td> </tr> <tr> <td>Total Errors</td> <td>4</td> </tr> <tr> <td>Overall Error Rate</td> <td>0.53%</td> </tr> </table>	Total Prescription Refills Checked	750	Wrong Drug	0	Wrong Strength	0	Safety Cap Error	4	Wrong Amount	0	Other Errors	0	Total Errors	4	Overall Error Rate	0.53%
Total Prescription Refills Checked	750																
Wrong Drug	0																
Wrong Strength	0																
Safety Cap Error	4																
Wrong Amount	0																
Other Errors	0																
Total Errors	4																
Overall Error Rate	0.53%																

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	80.81%	n/a
Time Spent in Management	5.81%	n/a
Time Spent in Patient Care	13.13%	n/a
Time Spent in Practice Development	0.25%	n/a
Time Spent in Other Activities	0.00%	n/a

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.015	n/a
Non-Reimbursed Patient Services Care	0.13	n/a
Total Patient Care Services	0.14	n/a

Individual Site Data for Site E:

<p><u>Site E Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u></p> <p>N/A – no longer in project</p>	<p><u>Site E data from Baseline collection (Pharmacist-checked prescriptions):</u></p> <table> <tr> <td>Total Prescription Refills Checked</td> <td>773</td> </tr> <tr> <td>Wrong Drug</td> <td>0</td> </tr> <tr> <td>Wrong Strength</td> <td>0</td> </tr> <tr> <td>Safety Cap Error</td> <td>1</td> </tr> <tr> <td>Wrong Amount</td> <td>0</td> </tr> <tr> <td>Other Errors</td> <td>0</td> </tr> <tr> <td>Total Errors</td> <td>1</td> </tr> <tr> <td>Overall Error Rate</td> <td>0.13%</td> </tr> </table>	Total Prescription Refills Checked	773	Wrong Drug	0	Wrong Strength	0	Safety Cap Error	1	Wrong Amount	0	Other Errors	0	Total Errors	1	Overall Error Rate	0.13%
Total Prescription Refills Checked	773																
Wrong Drug	0																
Wrong Strength	0																
Safety Cap Error	1																
Wrong Amount	0																
Other Errors	0																
Total Errors	1																
Overall Error Rate	0.13%																

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	65.09%	n/a
Time Spent in Management	10.09%	n/a
Time Spent in Patient Care	11.03%	n/a
Time Spent in Practice Development	4.54%	n/a
Time Spent in Other Activities	9.25%	n/a

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.015	n/a
Non-Reimbursed Patient Services Care	1.36	n/a
Total Patient Care Services	1.38	n/a

Individual Site Data for Site F:

<u>Site F Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site F data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	150	Total Prescription Refills Checked	854
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	0
Wrong Amount	0	Wrong Amount	2
Other Errors	0	Other Errors	3
Total Errors	0	Wrong Data Entry =1 Wrong Place in Cassette=2	
Overall Error Rate	0%	Total Errors	5
		Overall Error Rate	0.5854%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 - 4/30/16)</u>
Time Spent in Dispensing	38.73%	33.51%
Time Spent in Management	12.79%	15.35%
Time Spent in Patient Care	19.39%	41.22%
Time Spent in Practice Development	14.43%	8.62%
Time Spent in Other Activities	14.66%	1.31%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.15	0.07
Non-Reimbursed Patient Services Care	0.85	4.09
Total Patient Care Services	0.99	4.16

Percent of time utilizing TCT = 77.69%

Individual Site Data for Site G:

Site G Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site G data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	150	Total Prescription Refills Checked	926
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	0
Wrong Amount	0	Wrong Amount	0
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	0
Overall Error Rate	0.0%	Overall Error Rate	0.00%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	71.39%	47.06%
Time Spent in Management	6.93%	17.65%
Time Spent in Patient Care	19.20%	17.65%
Time Spent in Practice Development	2.33%	17.65%
Time Spent in Other Activities	0.15%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.51	0.12
Non-Reimbursed Patient Services Care	11.24	3.58
Total Patient Care Services	11.75	3.70

Percent of time utilizing TCT = 83.58%

Individual Site Data for Site H:

Site H Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site H data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	150	Total Prescription Refills Checked	750
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	1
Wrong Amount	0	Wrong Amount	1
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	2
Overall Error Rate	0%	Overall Error Rate	0.27%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	75.36%	41.26%
Time Spent in Management	2.16%	1.73%
Time Spent in Patient Care	21.61%	54.15%
Time Spent in Practice Development	0.86%	2.86%
Time Spent in Other Activities	0%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.35	0.06
Non-Reimbursed Patient Services Care	0.87	2.24
Total Patient Care Services	1.22	2.30

Percent of time utilizing TCT = 91.54%

Individual Site Data for Site I:

<u>Site I Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site I data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	153	Total Prescription Refills Checked	750
Wrong Drug	1	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	2
Wrong Amount	0	Wrong Amount	1
Other Errors	0	Other Errors	0
Total Errors	1	Total Errors	3
Overall Error Rate	0.65%	Overall Error Rate	0.4%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	71.71%	20.81%
Time Spent in Management	13.48%	27.21%
Time Spent in Patient Care	8.23%	48.63%
Time Spent in Practice Development	2.26%	2.44%
Time Spent in Other Activities	4.32%	0.91%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.40	0.17
Non-Reimbursed Patient Services Care	1.78	2.16
Total Patient Care Services	2.18	2.33

Percent of time utilizing TCT – 93.58%

Individual Site Data for Site J:

<p><u>Site J Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u></p> <p>No longer in project</p>	<p><u>Site 13 data from Baseline collection (Pharmacist-checked prescriptions):</u></p> <table border="0"> <tr> <td>Total Prescription Refills Checked</td> <td style="text-align: right;">750</td> </tr> <tr> <td>Wrong Drug</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Wrong Strength</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Safety Cap Error</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Wrong Amount</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Other Errors</td> <td style="text-align: right;">2</td> </tr> <tr> <td style="padding-left: 20px;">Wrong patient identification = 2</td> <td></td> </tr> <tr> <td>Total Errors</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Overall Error Rate</td> <td style="text-align: right;">0.53%</td> </tr> </table>	Total Prescription Refills Checked	750	Wrong Drug	0	Wrong Strength	0	Safety Cap Error	1	Wrong Amount	1	Other Errors	2	Wrong patient identification = 2		Total Errors	4	Overall Error Rate	0.53%
Total Prescription Refills Checked	750																		
Wrong Drug	0																		
Wrong Strength	0																		
Safety Cap Error	1																		
Wrong Amount	1																		
Other Errors	2																		
Wrong patient identification = 2																			
Total Errors	4																		
Overall Error Rate	0.53%																		

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	76%	n/a
Time Spent in Management	4.71%	n/a
Time Spent in Patient Care	17.92%	n/a
Time Spent in Practice Development	1.37%	n/a
Time Spent in Other Activities	0%	n/a

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.22	n/a
Non-Reimbursed Patient Services Care	1.32	n/a
Total Patient Care Services	1.54	n/a

Individual Site Data for Site K:

Site K Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site K data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	170	Total Prescription Refills Checked	909
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	1
Wrong Amount	0	Wrong Amount	0
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	1
Overall Error Rate	0%	Overall Error Rate	0.11%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	59.29%	33.68%
Time Spent in Management	3.02%	22.49%
Time Spent in Patient Care	32.16%	41.80%
Time Spent in Practice Development	5.54%	0.79%
Time Spent in Other Activities	0%	1.24%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	1.98	0.60
Non-Reimbursed Patient Services Care	2.37	4.96
Total Patient Care Services	4.35	5.56

Percent of time utilizing TCT – 43.85%

Individual Site Data for Site L:

Site L Data from Technician checked prescriptions collected from (2/1/16 – 4/30/16)		Site L data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	162	Total Prescription Refills Checked	857
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	4
Wrong Amount	0	Wrong Amount	6
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	10
Overall Error Rate	0%	Overall Error Rate	1.17%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	81.6%	57.67%
Time Spent in Management	3.96%	11.46%
Time Spent in Patient Care	12.03%	28.06%
Time Spent in Practice Development	2.41%	2.82%
Time Spent in Other Activities	0%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.15	0.31
Non-Reimbursed Patient Services Care	1.06	1.56
Total Patient Care Services	1.21	1.88

Percent of time utilizing TCT = 98.46%

Individual Site Data for Site M:

Site M Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):			Site M data from Baseline collection (Pharmacist-checked prescriptions):		
Total Rx Refills Checked	151		Total Prescription Refills Checked	750	
Wrong Drug	1		Wrong Drug	0	
Wrong Strength	0		Wrong Strength	0	
Safety Cap Error	0		Safety Cap Error	2	
Wrong Amount	0		Wrong Amount	2	
Other Errors	0		Other Errors	1	
Total Errors	1		Total Errors	5	
Overall Error Rate	0.66%		Overall Error Rate	0.67%	

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	79.57%	80.99%
Time Spent in Management	3.76%	1.76%
Time Spent in Patient Care	14.52%	16.55%
Time Spent in Practice Development	0%	0.7%
Time Spent in Other Activities	2.15%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.33	0.05
Non-Reimbursed Patient Services Care	1.76	1.17
Total Patient Care Services	2.10	1.23

Percent of time utilizing TCT = 28.46%

Individual Site Data for Site N:

Site N Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site N data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	150	Total Prescription Refills Checked	868
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	1	Safety Cap Error	0
Wrong Amount	0	Wrong Amount	1
Other Errors	0	Other Errors	0
Total Errors	1	Total Errors	1
Overall Error Rate	0.67%	Overall Error Rate	0.12%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	79.4%	65.28%
Time Spent in Management	5.32%	8.65%
Time Spent in Patient Care	13.95%	21.68%
Time Spent in Practice Development	1.33%	4.39%
Time Spent in Other Activities	0%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.21	0.19
Non-Reimbursed Patient Services Care	1.06	3.35
Total Patient Care Services	1.27	3.54

Percent of time utilizing TCT – 91.0%

Individual Site Data for Site O:

<u>Site O Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site O data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	150	Total Prescription Refills Checked	750
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	0
Wrong Amount	2	Wrong Amount	0
Other Errors	0	Other Errors	0
Total Errors	2	Total Errors	0
Overall Error Rate	1.33%	Overall Error Rate	0%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	85.99%	87.32%
Time Spent in Management	3.26%	0.29%
Time Spent in Patient Care	10.13%	7.08%
Time Spent in Practice Development	0.62%	0.87%
Time Spent in Other Activities	0%	4.44%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.16	0.04
Non-Reimbursed Patient Services Care	1.18	1.60
Total Patient Care Services	1.34	1.64

Percent of time utilizing TCT – 52.31%

Individual Site Data for Site P:

<u>Site P Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):</u>		<u>Site P data from Baseline collection (Pharmacist-checked prescriptions):</u>	
Total Rx Refills Checked	152	Total Prescription Refills Checked	750
Wrong Drug	0	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	1
Wrong Amount	0	Wrong Amount	2
Other Errors	0	Other Errors	0
Total Errors	0	Total Errors	3
Overall Error Rate	0%	Overall Error Rate	0.4%

Composition of Pharmacist Day

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Time Spent in Dispensing	52.63%	40.18%
Time Spent in Management	24.56%	18.99%
Time Spent in Patient Care	18.25%	38.37%
Time Spent in Practice Development	4.56%	2.46%
Time Spent in Other Activities	0%	0%

Number of Services Provided per Pharmacist Hour

	<u>Baseline</u>	<u>TCT (2/1/16 – 4/30/16)</u>
Reimbursed Patient Care Services	0.58	0.71
Non-Reimbursed Patient Services Care	0.41	4.53
Total Patient Care Services	0.99	5.24

Percent of time utilizing TCT = 90.0%

Individual Site Data for Site Q:

Site Q Data from Technician checked prescriptions collected (2/1/16 – 4/30/16):		Site Q data from Baseline collection (Pharmacist-checked prescriptions):	
Total Rx Refills Checked	173	Total Prescription Refills Checked	750
Wrong Drug	1	Wrong Drug	0
Wrong Strength	0	Wrong Strength	0
Safety Cap Error	0	Safety Cap Error	6
Wrong Amount	0	Wrong Amount	5
Other Errors	2 (administrative)	Other Errors	2
		Broken tablet = 1	
		Refrigerated item not in fridge = 1	
Total Errors	3	Patient Safety Errors	2
Overall Error Rate	1.73%	Patient Safety Error Rate: 0.27%	
Patient Safety Error Rate	0.58%	Administrative Errors	11
Administrative Error Rate	1.16%	Rate: 1.47%	
		Total Errors	13
		Overall Error Rate	1.73%

Composition of Pharmacist Day

	Baseline	TCT (2/1/16 – 4/30/16)
Time Spent in Dispensing	80.75%	46.43%
Time Spent in Management	4.04%	5.0%
Time Spent in Patient Care	15.22%	48.57%
Time Spent in Practice Development	0%	0%
Time Spent in Other Activities	0%	0%

Number of Services Provided per Pharmacist Hour

	Baseline	TCT (2/1/16 – 4/30/16)
Reimbursed Patient Care Services	0.17	0.04
Non-Reimbursed Patient Services Care	3.18	5.26
Total Patient Care Services	3.35	5.30

Percent of time utilizing TCT – 85.0%

APPENDIX B

Site Requirements for New Practice Model (NPM) Project

The following is a guideline of requirements asked of sites in the NPM project. If a site struggles to meet the requirements, members from the NPM task force will review the site's progress and develop a plan of action to help the site succeed. If the site continues to be unable to meet the requirements, the members from the task force will provide a recommendation to the board of pharmacy to consider withdrawing the site from the study.

Sites that consistently struggle with:

- 1) Submitting data on time
- 2) Changing workflow to incorporate Tech-Check-Tech
- 3) Ongoing staffing issues including low number of hours doing Tech-Check-Tech
- 4) Using freed up time to reduce pharmacist hours or engage in non-patient care activities

APPENDIX C

New Staff addition to project since February 2016					
Site	Position	Name	Signed Letter	Signed study consent	Completed training
Hy-Vee Fort Dodge	CPhT	Lisa Lemon	4/4/2016	4/4/2016	n/a (filling)
Hy-Vee Fort Dodge	CPhT	Megan Hanna	4/4/2016	4/4/2016	n/a (filling)
Walgreens Clive	CPhT	Benjamin Rice	4/11/2016	4/11/2016	n/a (filling)
Staff that has left since February 2016					
Site	Position	Name			
Hy-Vee Fort Dodge	Relief RPH	Carmen Durphy			

From: [Witkowski, Terry \[IBPE\]](#)
To: [Jorgenson, Debbie \[IBPE\]](#)
Cc: [Funk, Andrew \[IBPE\]](#); [Woolery, Dale \[ODCP\]](#)
Subject: FW: News Release-Iowans Alerted to New Synthetic Opioid Drug Dangers
Date: Thursday, June 16, 2016 7:12:52 AM
Attachments: [image002.emz](#)
[image005.png](#)
[Iowa Alert-New Synthetic Opioid Drug Dangers 6-10-16.pdf](#)
[image002.emz](#)
[image006.emz](#)
[image007.png](#)

Debbie,

Please include the attached on the June meeting agenda as a request for the Board's position from ODCP. Thank you.

Therese (Terry) Witkowski
Executive Officer
Iowa Board of Pharmacy
terry.witkowski@iowa.gov
515-281-6676

The Iowa Board of Pharmacy promotes, preserves, and protects the public health, safety, and welfare through the effective regulation of the practice of pharmacy and the licensing of pharmacies, pharmacists, and others engaged in the sale, delivery, or distribution of prescription drugs and devices. Iowa Code § 155A.2(1).

From: Woolery, Dale [ODCP]
Sent: Friday, June 10, 2016 1:32 PM
To: Funk, Andrew [IBPE]; Witkowski, Terry [IBPE]
Subject: FW: News Release-Iowans Alerted to New Synthetic Opioid Drug Dangers

fyi

From: Woolery, Dale [ODCP]
Sent: Friday, June 10, 2016 10:48 AM
Subject: News Release-Iowans Alerted to New Synthetic Opioid Drug Dangers



STATE OF IOWA



TERRY E. BRANSTAD
GOVERNOR

KIM REYNOLDS
LT. GOVERNOR

Contacts: Dr. Ed Bottei (800) 222-1222

For Immediate Release
Friday, June 10, 2016

Polly Carver Kimm (515) 281-6693
Alex Murphy (515) 725-6189
Dale Woolery (515) 725-0310

Iowa on Alert for New Class of Dangerous Synthetic Drugs

DES MOINES – The Iowa Department of Public Health, Department of Public Safety, Poison Control Center and Office of Drug Control policy are warning Iowans of an emerging new synthetic drug threat believed to have contributed to recent accidental drug overdose deaths in other states such as Kansas, as well as Iowa's first report of a related overdose this week, in which the person survived. The Iowa alert coincides with a public warning today from the U.S. Drug Enforcement Administration that exposure to these drugs can be deadly.

The newest drug, known as “U-47700,” is a synthetic opioid. Several times more potent than morphine, with no known or accepted medical use, U-47700 is one of a growing number of new synthetic opioids appearing across the country. Many of the new drugs are analogs of the powerful painkiller fentanyl, also being reported in Iowa. Exposures to U-47700 can cause sedation, respiratory depression and respiratory arrest that can be lethal.

The four health and safety agencies issued the following joint statement:

“U-47700 is a new strain of synthetic drugs that can cause sedation, respiratory depression, and respiratory arrest that can lead to death for those exposed to it. Immediate medical attention is required for Iowans abusing this or other new synthetic opioids. Parents and caregivers are encouraged to talk with children about the dangers of all drugs, including new or mysterious substances. Finally, Iowans are urged to report suspicious activity to local law enforcement.”

Synthetic opioids are a newer class of synthetic drugs reportedly being smuggled into the U.S. and sold primarily via the Internet. As with previous synthetic drug types, U-47700, fentanyl compounds and similar products may be sold in various forms for injection, snorting or oral use, and because of the speed with which new compounds are developed and distributed, these new products are not yet regulated.

The Iowa Poison Control Center advises hospital and emergency medical service personnel to treat a U-47700 overdose the same as that of any other opioid overdose (maintain airway and ventilation, consider naloxone, etc.). All Iowans with questions about synthetic opioids can contact the Iowa Poison Control Center at 800-222-1222 or <http://www.iowapoison.org>.

The DEA law enforcement and public safety warning video can be viewed at <http://go.usa.gov/chBWW>. Additional information about fentanyl analogs is available at <http://pub.lucidpress.com/NDEWSFentanyl>.

The rise of synthetic opioids comes as the Rozga family of Indianola appeared this week before the U.S. Senate Judiciary Committee, chaired by Iowa Senator Charles Grassley, to discuss the perils of synthetic drugs. The Rozga’s 18-year old son David died of a synthetic cannabinoid induced suicide six years ago.

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