

FINAL REPORT FOR CPF GRANTS ADMINISTRATOR

OBJECTIVES

The number one aim of this project was to merge all three components of healthcare costs, self-insured employers, and a residencies program together to create a new type of clinical pharmacist for the community of pharmacy. Overall, this specific aim was accomplished as a program was developed, a resident was recruited, maintained, graduated, and recruitment for a future resident was initiated. Below is a list of the specific goals and objectives. In addition is a list of all activities of the resident and how each activity fit into the goals of the grant as listed by the objectives.

Goal A: Train a community clinical pharmacy resident – We recruited Kristie J. Raker, PharmD. R.D., CDE, a graduated of the University of Pacific in Stockton, LA. She moved to Natchitoches, LA and began training on July 1st 2007.

Obj: A1 – Recruit

Obj: A2 – Set-up longitudinal curriculum

Obj: A3 – Train resident about self-insured employers

Obj: A4 – Ensure the ability to transfer lessons

Obj: A5 – Train resident to become a clinical pharmacist

Goal B: Broaden scope of services provided through the community pharmacy setting.

Obj: B1 – Learn current clinical pharmacy services

Obj: B2 – Create new clinical pharmacy service

Obj: B3 – Understand reimbursement structure and billing for clinical pharmacy services

Goal C: Train resident to deliver and assess self-efficient reimbursable clinical pharmacy services at self-insured employer worksites

Obj: C1 – deliver MTM

Obj: C2 – Implement health promotion and prevention

Obj: C3 – Able to effectively implement cost savings

Obj: C4 – Understand reimbursement and billing for self-insured Employers

ACTIVITIES FULFILING OBJECTIVES

July 2006

SUMMARY

July served mainly as an orientation week and an introduction to the residency program. Dr. Raker spent time shadowing her preceptors was involved minimal with employer groups. **(Obj: A1, A2)**

Employer Groups – Dr. Raker shadowed her preceptor for the first month. Very little independence occurred. **(Obj: A3)**

Total Revenue Generation - \$1000 **(Obj: C4)**

Employer Group patients seen – 350 group & 3 individual **(Obj: C2)**

Individual patients Seen – 26 individual **(Obj: C1)**

ACTIVITIES

Orientation - Causey's Pharmacy & Xavier University of Louisiana

- Given a packet of information regarding benefits, travel reimbursement, goals and objectives of the program. **(Obj A1)**
- Provided schedule, electives, and longitudinal curriculum **(Obj: A2) – See appendix A**

Convention – Attended Louisiana Pharmacist Association – Baton Rouge

- Begin the networking within the state of key leaders **(Obj B2)**

Camp Victory (DM camp 6-11 year olds) (Leesville, LA) **(Obj: A5, C2)**

- Collected home medications at check-in
- Distributed home medications at check-out
- Pre-packed home medications for morning, noon, dinner, and bedtime administration
- Assisted campers with blood sugar checks prior to meals, snacks, and bedtime
- Participated in 2 am blood sugar checks
- Maintained OTC and Prescription medication inventory
- Assisted campers with insulin administration as needed

August 2006

SUMMARY

Employer Groups – The resident began to broaden her scope at the employer worksites. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhaeuser, and did her first Medication Therapy Management patient through the Medicare Part D program. **(Obj: A3)**

Employer Group patients seen – 350 group & 2 individual **(Obj: C2)**

Individual patients Seen – 18 individual **(Obj: C1)**

Total Revenue Generation per month - \$1500 **(Obj: C4)**

ACTIVITIES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj C1, C2, C3, C4)

- Patients are seen on an individual and group basis and counseled on medication therapy management needs.

Jump to the Pump (2 hours)

- Attended a class by an insulin pump representative for patients interested in starting on an insulin pump. **(Obj: B1)**

PCCA Compounding Primary Training (Houston, TX) (Obj: B2)

- Trained in the use of contemporary techniques to prepare customized, patient-specific, pharmaceutically dosage forms. The following objectives were achieved:
 - Define problem solving services provided by a compounding pharmacist
 - Describe the formulation of troches, suppositories, capsules, topical gels, oral suspensions, solutions, and flavoring.
 - Calculate percent of the accuracy percentage as a validation method for the capsule dosage form.
 - Demonstrate the use of contemporary compounding laboratory equipment and dosage forms.
 - Describe the difference between compounding and manufacturing and working within the traditional doctor/patient/pharmacist relationship.
 - Identify effective marketing techniques for contemporary compounding services.

PCCA Start Up Success (Houston, TX) 1 day (Obj: B2)

- Trained on how to start a successful compounding pharmacy including how to talk to your target audience (ie. Physicians, dentists, vets) and how to market your services.

Journal Club (1) (Obj A3, B1)

- Led Journal Club for Xavier student
- Coagulation Clinic at Natchitoches Medical Center (Obj: C1)**
- Orientated to Coagulation clinic
 - Obtained updated Tb test
 - Completed training on CoaguScheck controls
 - Trained on inputting vitals (wt, pulse, temp, BP), INR /PT result, progress notes, patient notes, and next appointment into the computer system.
- APhA Incentive Grant (Obj B2)**
- Met with preceptor to brainstorm ideas for grant and submitted 1st draft.

September 2006

SUMMARY

Employer Groups – The resident continue to broaden her scope at the employer worksites. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerheuser, did multiple Medication Therapy Management patient through the Medicare Part D program. (Obj: A3)

Employer Group patients seen – 700 group & 4 individual (Obj: C2)

Individual patients Seen – 13 individual (Obj: C1)

Total Revenue Generation per month - \$1500 (Obj: C4)

ACTIVITIES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj C1, C2, C3, C4)

- Patients are seen on an individual and group basis and counseled on medication therapy management needs.

Research Exenatide, Pramlinitide, and DPP-4 inhibitors for LSHP speaking engagement (Obj: A5)

- Conducted a med-line search using the terms “Exenatide (Byetta), Pramlinitide (Symlin), Incretins, GLP-1, DPP-4, Vildigalipitin (Galvus) and Sitagalipitin
- Contacted Amylin drug rep and medical liason
- Watched online CE re: DPP-4 inhibitors at 66th ADA symposium
- Watched online CE of the European Study for the Association of Diabetes Meeting 2006 in Copenhagen, Denmark
- Read “Sharing the Burden: the role of incretins in Glucose Control” a clinical monograph based on a CE symposium at AADE 2005 annual meeting.

- Reviewed journal articles
- Reviewed Oral Diabetes Agents

APhA Incentive Grant (Obj B2)

- Met with Steve and LeAnn to discuss ideas for grant
- Read “Medication Therapy Management: An Opportunity for Pharmacists”, Pharmacist’s Letter May 2006
- Reviewed Medicare Modernization Act, definition of Medication Therapy Management Services, scope of practice for ambulatory care pharmacy specialists at Harbor View Medical Center (**Obj: C2, A3**)
- Read “Generic Drug Utilization in State Medicaid Programs” DHHS July 2006
- Read “Potential Savings from Generic Drugs in Upstate New York” Excellus Fall 2005
- Wrote 1st draft of grant for review by preceptor and met with preceptor for review

Meetings (Obj A2)

- Met with preceptors to discuss schedule Sept 7th – 25th
- Met with LeAnn to go over problems with “MOE” and chart patients

Coagulation Clinic at Natchitoches Medical Center (Obj: A5)

- Provided coagulation services on own four times this month (Thursday mornings)
- Called no shows and overdue appointments to reschedule

October 2006

SUMMARY

Employer Groups – The resident continued to broaden her scope at the employer worksites. She started seeing her own patients and assisted with a new wellness program. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhaeuser, did multiple Medication Therapy Management patient through the Medicare Part D program. Also, saw patients individually in the coumadin clinic (**Obj: A3, A5**)

Employer Group patients seen – 700 group & 5 individual (**Obj: C2**)

Individual patients Seen – 29 individual (**Obj: C1**)

Total Revenue Generation per month - \$1500 (**Obj: C4**)

ACTIVITIES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj C1, C2, C3, C4)

- Patients are seen on an individual and group basis and counseled on medication therapy management needs.

Louisiana Society of Health System Pharmacists (LSHP) speaking engagement (Obj: A5, B1)

- Traveled to Sam's Town, Shreveport on Friday, Oct 6th for LSHP conference
- Listened to other residents and preceptor talks
- Presented "The Gila Monster and Beyond: Novel Pharmacotherapy Options for Glucose Control" 10/07/06 for CE credit.

APhA Incentive Grant (Obj: B1)

- Revised APhA incentive grant after review by clinical preceptors
- Conducted a literature search on "academic detailing"
- Completed APhA \$1000 incentive grant and postmarked it October 16th

American College of Clinical Pharmacy (ACCP) (Oct 25th – 29th) (Obj B2)

- Joined ACCP
- Attended mid-year meeting in St. Louis, Missouri
- Attended lectures on metabolic syndrome
- Networked with members of Ambulatory Care PRN
- Attended 1 drug representative sponsored dinner event

Employee Wellness Days (Obj: A3, A4, B2, C2, C4)

- Advised Xavier students in the development of "Colon Cancer Awareness" handout
- Educated employees at Morris and Dickson only
- Did not go to Weyerhauser wellness day (students only)

The Biggest Loser (October 4th) (Obj: A3, A4, B2, C2, C4)

- Picked out door prize (pedometer and water bottle) for weigh-in
- Weighed employees and measured body fat

Diabetes Marketing Faxes (Obj: A3, A4, B2, C2, C4)

- Advised students in development of DM faxes. Project is still pending.

Coagulation Clinic at Natchitoches Medical Center (Obj: A5, C1)

- Provided coagulation services 2 days this month. Missed 2 days due to personal leave and conference.

November 2006

SUMMARY

Employer Groups – The resident continued to broaden her scope at the employer worksites. She continued to see her own patients and assist with a new wellness program and reached out to programs in the community. She started a new elective. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhauser, did multiple Medication Therapy Management patient through the Medicare Part D program. Also, saw patients individually in the coumadin clinic (**Obj: A3, A5**)

Employer Group patients seen – 700 group & 5 individual (Obj: C2)
Individual patients Seen – 95 individual (Obj: C1)
Total Revenue Generation per month - \$2000 (Obj: C4)

ACTIVITIES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj C1, C2, C3, C4)

- Patients are seen on an individual and group basis and counseled on medication therapy management needs.

Health Fair (Natchitoches Methodist Church) Friday, Nov 3rd (Obj: C2)

- Performed 12 cholesterol screenings out of ~ 90 attendees. Cost = \$28/test
- 25 flu vaccinations were also performed and assisted with preceptor
- Students assisted with flu vaccine, cholesterol, and blood glucose testing

Dentist Marketing (Obj: B2, B3)

- Began researching local dentists in the area
- Read information from PCCA regarding dental compounds
- Plan to prepare a presentation for marketing and begin setting up appointments

Drug Topics Article – Due April 30th (Obj: A5: C1)

- Outline due December 19

Employee Wellness Days – Stroke (Obj: C2)

- Supervised three Xavier students in the development of a wellness handout

The Biggest Loser (Nov 15th – last weigh-in) (Obj: C2)

- Picked out door prizes for last two weigh ins
- Supervised 2 Xavier students in assisting with weight in (weight, waist circumference, body fat %)

Diabetes Marketing Faxes – Due November 21st (Obj: B2, A5)

- Supervised 3 Xavier students in the development of 12 faxes promoting the diabetes clinic

Coagulation Clinic at Natchitoches Medical Center (Obj: A5, B2)

- Read and discussed the following learning issues:
 - Nov 6th: Physiology of Coagulation and Role of Vitamin K (Chapter 16) and Thrombogenesis and Hypercoagulable States (Chapter 17)
- Obtained a critical value (INR > 6). Performed liquid control test and informed MD

Cardiology Clinic at Natchitoches Medical Center (Obj, A5)

- Began rounding with Dr Ingram, cardiologist on November 9, 2006
- Assist nursing staff with obtaining vitals and medical history as needed
- Assist nursing staff with obtaining ECG as needed
- Assist with Rapides Foundation program as needed
- Provide medication samples to patients as needed and counsel on proper usage.
- Observed a chemical induced stress tests using Adenosine.
- Discussed the following learning issues:
 - Gout: Do not give Allopurinol if pt presents with acute attack and on Colchicine. Colchicine has risk of bleeds.
 - Angular Stomatitis and cheilosis: advised pt to increase intake of riboflavin
 - Pain in RUQ indicates possible gallbladder.
 - Oate cell cancer usually Stage IV when dx'd but can still be treatable
 - Company that makes Diovan (Valsartan) in process of developing renin blocker
 - Celexa has an unlabeled use for syncope. Other drugs used for syncope such as Minoxidil have a high side effect profile.
 - Saw a case of thrombophlebitis from poor needle stick. Use warm compresses.
 - Saw a pt with a venous stasis ulcer. Pt had sleep apnea which led to CHF and then thrombo chronic venous congestion.

Journal Club (Obj A5)

- Orientated 3 xavier students Nov 2nd and provided due dates
- Led journal club. All three articles related to ambulatory care clinics
- Evaluated students

Disease State Management (Obj A5)

- Participated in DSM (Depression) Friday, Nov 10th

ASHP (December 2 – 7th) (Obj A5, A4)

- Performed employer searches and researched prospective employers
- Contacted employers to arrange interviews for ASHP
- Updated CV
- Answered student questions and reviewed CV's in preparation for ASHP

American Heart Association Run/Walk (Obj C2)

- Participated in AHA 5K run for Natchitoches Medical Center cardiology clinic

December 2006

SUMMARY

Employer Groups – The resident continued to broaden her scope at the employer worksites. She assisted in some marketing to other future employer groups: including Paragon Casino and Trusjoist a Weyerhaeuser Cooperation. She continued to see her own patients and assist with a new wellness program and reached out to programs in the community. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhaeuser, did multiple Medication Therapy Management patient through the Medicare Part D program. Also, saw patients individually in the coumadin clinic and assisted as a clinical pharmacist in the Cardiology clinic. **(Obj: A3, A5)**

Employer Group patients seen – 700 group & 10 individual **(Obj: C2)**

Individual patients Seen – 42 individual **(Obj: C1)**

Total Revenue Generation per month - \$1500 **(Obj: C4)**

ACTIVITES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj C1, C2, C3, C4)

- Patients are seen on an individual basis and counseled on medication therapy management needs.

Conferences (Obj: A5, B1)

- **Louisiana Pharmacists Association (LPA)**
 - Attended presentations by Dr. Steve Boyd and Dr. LeAnn Causey-Boyd (1/2 day)
 - Attended reception hosted by Mr. Causey (Friday evening)
- **ASHP: Dec 3 – 6, 2006 (Obj: A5, B1)**
 - Participated in PPS
 - Attended Xavier reception

Dentist Marketing (Obj: B2)

- Scheduled 1st appointment for January 3rd. Plan to visit one dentist each week on Wednesdays in place of clinic days.

Drug Topics Article – Due April 30th (Obj: A5, C1)

- Completed medline search on academic detailing.
- Prepared outline and submitted to preceptor.
- Plan to obtain articles by Friday, Jan 5th 2007
- Plan to schedule time to prepare 1st rough draft Jan 6 – 8th or 12 – 15th if unable to obtain articles.
- Goal is to have 1st draft submitted to preceptor by Jan 31, 2006.

Employee Wellness Days – Cold/Flu (Obj: C2, C4)

- Wellness day at Morris and Dickson

The Biggest Loser – Jan 15, 2007 – July 2007 (Obj: C2, C4)

- Scheduled dates on calendar
- Submitted suggestions for improvement to LeAnn

Diabetes Clinic (Obj: B3, B2, A5)

- Karen faxed 1st series of DM marketing faxes to MD's
- Attended Diabetes Advisory Board Meeting (1/year).
- LeAnn plans to purchase a billing program for the clinic and to relieve Karen of billing to focus on scheduling and other projects. Plan to be trained on program when implementation begins.
- Completed 1 initial diabetes counseling appointment
- Taught 1 diabetes class. One class rescheduled due to holidays.

Coagulation Clinic at Natchitoches Medical Center – Dec 14 only due to conferences and vacation. (Obj: A5, C1)

- Assisted with coag clinic from 8 am – 12 pm
- Obtained INR values for 10 patients

Cardiology Clinic at Natchitoches Medical Center – Dec 14 only due to conferences and vacation (Obj: A5, C1)

- Began rounding with Dr Ingram, cardiologist on November 9, 2006
- Assist nursing staff with obtaining vitals and medical history as needed
- Assist nursing staff with obtaining ECG as needed
- Assist with Rapides Foundation program as needed
- Provide medication samples to patients as needed and counsel on proper usage.
- Observed an ER consult for tachycardia and a CCU consult to check pacemaker

Journal Club – Dec 15, 2006 (Obj: A5, A4, B2)

- Evaluated and participated in 2 students present journal club articles

Disease State Management (Obj: A5, A4)

- Participated in DSM (HTN) Tuesday, Dec 19, 2006

Morris and Dickson – Dec 12th and 19th (Obj: B3, C3, C2)

- Assisted with precepting Xavier students on charting with MOE
- Began tracking interventions using MOE

- No visits scheduled for Dec 26th due to holiday and missed Dec 5th due to ASHP

Health Disparities Grant (Obj: B2, C2)

- Food Frequency Questionnaire: Performed medline search for food frequency questionnaire that focuses on African American diets. Reviewed abstracts for pertinenc. Had students pull an article for full review. Also conducted internet search to obtain samples of FFQ. Completed draft.
- Meeting: Participated in group meeting and discussions with preceptor regarding logistics of program.

Other: (Obj: A5)

- Re-organized diabetes clinic (December 1, 2006)

January 2007

SUMMARY

Employer Groups – The resident continued to broaden her scope at the employer worksites. She assisted in some marketing to other future employer groups: including Paragon Casino and Trusjoist a Weyerhaeuser Cooperation. She continued to see her own patients and assist with a new wellness program and reached out to programs in the community. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhaeuser, did multiple Medication Therapy Management patient through the Medicare Part D program. Also, saw patients individually in the coumadin clinic and assisted as a clinical pharmacist in the Cardiology clinic. **(Obj: A3, A5)**

Employer Group patients seen – 350 group & 15 individual **(Obj: C2)**

Individual patients Seen – 16 individual **(Obj: C1)**

Total Revenue Generation per month - \$1000 **(Obj: C4)**

ACTIVITES

Weekly Clinic Visits to Morris & Dickson & Sports South (Obj: C1, C2, C3, C4)

- Patients are seen on an individual basis and counseled on medication therapy management needs.

Dentist Marketing (Obj: A5, B2)

- Developed letters to send to compounding dentists and a list of possible compounds. Visited Dr. Brown's office on January 3rd.

Drug Topics Article – (Obj: A5, C1)

- In progress

Employee Wellness Days (Obj: C2, B3)

- Started Pilgrims- BP wellness day

Diabetes Clinic (Obj: A5, A4)

- She saw multiple patients in clinic
- Discussed the billing strategies in the clinic

Coagulation Clinic at Natchitoches Medical Center (Obj: A5, C1)

- Last day January 25, 2006

Cardiology Clinic at Natchitoches Medical Center (Obj: A5: C1)

- Last day January 25, 2006

Journal Club – Jan. 26, 2007 (Obj: A5, A4)

- Evaluated and participated in 2 students present journal club articles

Disease State Management (Obj: C1, A5)

- Participated in DSM January 12, 2007

Morris and Dickson – Jan 9, 16, 23 (Obj: C4, C3, C2, C1)

Pilgrim's Pride (January 28, 2007) (Obj: C4, C3, C2, C1)

- Participated in Blood Pressure Wellness
- Discussed contracts and billing for program

Surgery Clinic (Dr. Zeichner) (Obj: A5)

- Researched thyroid and adrenal glands
- Observed upper and lower endoscopies and cholecystectomy

February 2007

SUMMARY

Employer Groups – The resident's activities in employer groups maintained this month. She became more independent and learned more of the business side of developing a program. She assisted in some marketing to other future employer groups: including Pilgrim's Pride. She continued to see her own patients and assist with a new wellness program and reached out to programs in the community. She assisted in seeing patients at Morris & Dickson, assisted with wellness programs at Weyerhaeuser. **(Obj: A3, A5)**

Employer Group patients seen – 350 group & 5 individual (Obj: C2)
Individual patients Seen – 10 individual (Obj: C1)
Total Revenue Generation per month - \$750 (Obj: C4)

ACTIVITIES

Dentist Marketing (Obj B2)

- Spoke with Dr. McCallister regarding compounding opportunities.

Diabetes Clinic (Obj: A5, B1)

- Saw several patients in clinic
- Trained on insulin pump. Still need to follow patients.
- Taught 2 classes

Journal Club (Obj: C1, B1)

- Evaluated 2 students present journal club articles

Morris and Dickson (Obj: C2)

- Researched ACOG guidelines and HRT
- Group walk x 1
- portion distortion class with 25 attendees

Pilgrim's Pride (Obj: C2, C4)

- Participated in Blood Pressure Wellness
- Discussed billing and pricing of wellness program.

Surgery Clinic (Dr. Zeichner) (Obj: A5)

- Researched calcium-phosphorus-PTH relationship
- Observed upper and lower endoscopy

Research project (Obj: A5, C1, C2)

- Developed candy grams for Ice breaker
- Developed clip board for detailing
- Developed packet with informational handout
- Visited 4 physicians
- Completed Southeastern conference abstract

Students (Obj: A5)

- Review fish oil handout

March/April 2007

SUMMARY

Employer Groups – The resident's activities in employer groups significant dropped off as the resident relocated to New Orleans for an Internal medicine and Academic rotation. She attended rounds with internal medication physician and made multiple clinical interventions.

Employer Group patients seen – 0 individual (**Obj: C2**)

Individual patients Seen – 10 individual (**Obj: C1**)

Total Revenue Generation per month - \$0 (**Obj: C4**)

ACTIVITIES

Internal Medicine Rotation (Obj A5, C1)

- rounded with interns, residents, and students every morning and provided follow up as needed
- worked up 10 patient cases
- reviewed students cases

Academic Rotation (Obj: A5)

1. Prepared and taught 1 hour course on oncology nutrition and prepared test questions.
2. Prepared and taught 1 hour course on renal nutrition and prepared test questions.
3. Prepared and taught 2 hour course on immunizations, prepared case, and test questions.
4. Prepared 2 hour class on drug-induced cardiotoxicity (class taught in April)

April 1 – 13th Internal Medicine Oschner's Hospital

- Rounded with a new team of physicians
- Given the responsibility to round on my own and make recommendations as appropriate
- Given the responsibility to oversee the pharmacy students round reports and intervene as necessary

LSHP article (Obj: A5, B2)

- Completed revisions on IBS/Pamine Forte review article and submitted to Dr. El-Rachidi (3 revisions total before final submission).
- Wrote article on Pamine for LSHP.

Drug Induced Disease Class (Obj: a5)

- Researched drug induced diseases specifically relating to MI, arrhythmias, and heart failure.
- Prepared a 2 hour power point lecture to a class of 15 students

- Prepared 20 questions for the exam

SE Regional Residency Conference (April 25 – 28)/ Residency Conference (Obj: A4, A5, B2, B3, C1, C3, C4)

- Collected data on proton pump prescriptions from Jan 1, 2007 – March 30, 2007 and analyzed data.
- Worked with residency director to prepare slides and statistical analysis.
- Presented project at SE regional conference.
- Attended presentations by other residents mainly relating to community pharmacy or diabetes.
- Prepared interim report for APhA incentive grant

May/June 2007

Employer Group patients seen – 350 group & 5 individual (Obj: C2)

Individual patients Seen – 10 individual (Obj: C1)

Total Revenue Generation per month - \$750 (Obj: C4)

ACTIVITIES

SUMMARY

Employer Groups – The resident returned to Natchitoches to finish her residency. She assisted with employer sites, diabetes clinic, asthma clinic, and finished her resident project and manuscript for publication. Her manuscript was published in August 2007 – Drug Topics. The article highlighted her residency project and the importance of working with physician and changing prescribing habits to lower cost for self-insured employers. The resident finished the residency earlier because of great job opportunity with NovoNordisk as a Medical Liaison.

Employer Group patients seen – 350 individual (Obj: C2)

Individual patients Seen – 5 individual (Obj: C1)

Total Revenue Generation per month - \$500 (Obj: C4)

ACTIVITIES

Asthma (Obj:C1, C4)

- Completed final asthma intervention and submitted documentation to LeAnn Causey Boyd.

Wellness Program (Obj: C2)

- Assisted with Stroke awareness and Weyerhaeuser.

Diabetes (Obj: A5, C1)

- Completed 5 follow up visit with a student present and then reviewed diabetes pharmacotherapy with her.

Immunology Class (Obj: A5)

- Corrected case studies and submitted to Dr. Linda Mihm
- Wrote test questions for immunology and submitted to Dr. Linda Mihm

Drug Topics (Obj: A4, C3, C4)

- Finished manuscript
- Submitted to Drug Topics

SUMMARY OF RESULTS

The resident had the opportunity to be involved in multiple learning experiences. She attended 4 different elective rotations. She assisted and was trained in 4 different employer sites. During this time she interacted and affected approximately 4,200 patients in group settings. During individual meeting she saw approximately 59 patients. She assisted and was trained in a variety of pharmacy managed clinics: diabetes, asthma, MTM, flu shot, hepatitis B, and coagulation. During the time in these clinics she saw approximately 249 patients. In addition to her clinical training we spent additional time training her in the business side of community pharmacy and self-insured employer groups. She was ultimately reasonable for generating nearly \$13,000 of pharmacy revenue during her training. She assisted in developing multiple programs including a weight loss program, marketing dentist compounding products, and academic detailing to local physicians. She also completed her manuscript for publication.

FINAL CONCLUSIONS

In conclusion, Causey's Pharmacy and Xavier University views the programs as a success. Although there were some challenges the residency program was initiated, maintained, and completed. This was the first completed residency program of Xavier University and Causey's Pharmacy. We are very proud of Dr. Kristie Raker's for accepting a first year program and staying with the program and accepting her new position. We firmly, believe the second resident will benefit from the experiences learned and continued quality assessment of the residency program. In addition, we believe the program has the potential to raise more revenue dollars as the program streamlines. Finally, we would like to thank the Community Pharmacy Foundation for providing the funding to support the project. We look forward to working with you on other projects in the future. Sincerely, Dr. Steven T. Boyd and Dr. LeAnn Causey Boyd and Xavier University of Louisiana.

Appendix A (Schedule)

LONGITUTIAL CALENDAR (CLINIC)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Diabetes Class	Employer	Causey's Clinic Employer	Office Time	Project Time	
	Diabetes Class	Employer	Causey's Clinic Journal Club	Office Time	Project Time	
	Diabetes Class	Employer	Causey's Clinic Employer	Office Time	Project Time	
	Diabetes Class	Employer	Causey's Clinic	Office Time	Project Time	Staff – One Saturday a month
BLOCK EXPERIENCES (CLINIC & PROJECTS)						
1 st Quarter July to Sept	Compounding/ Marketing		Asthma	Anticoag/ Compounding/	Poster Submission	
2 nd Quarter Oct to Dec		Xavier DM Grant		- Anticoag/ Compounding	- Manuscript Development	
3 rd Quarter Jan to Mar			- Surgery Clinic - Hospital Rotation – New Orleans		- Manuscript Development	
4 th Quarter Apr to June					- Manuscript Development Pump Clinic (March to June)	

BLOCK EXPERIENCES

EXPERIENCES	LENGTH	MONTH
ANTICOAGULATION CLINIC	3 MONTHS ON THURSDAY MORNING	AUGUST TO DECEMBER
COMPOUNDING	3 MONTHS BLOCK	AUGUST TO OCTOBER
MANUSCRIPT DEVELOPMENT	6 MONTH PROCESS	NOVEMBER TO MAY
PUMP CLINIC	2 MONTH BLOCK	
CARDIOLOGY CLINIC	3 MONTHS	JANUARY TO MARCH
FAMILY MEDICINE CLINIC	3 MONTHS	APRIL TO JUNE
HOSPITAL ROTATION	1 MONTH	MARCH
SURGERY CLINIC	1-2 MONTHS	JANUARY TO FEBRUARY
INTERNAL MEDICINE CLINIC	1 MONTH	APRIL

Appendix B

**DESCRIPTION OF GOALS & OBJECTIVES OF PROJECTS DURING THE
RESIDENCY
LONGITUNTIAL AND BLOCK EXPERICNES**

Projects	Goal	Objectives	Timeline	STATUS
1) Employer Group	- To understand the process of selling, creating, maintaining, and billing an employer group	- Train - Beginning seeing patient within 2 month - Begin cost reduction intervention - Initiate a program on site at the employer site	Longitudinal Experience	Progressing well
2) Compounding marketing	- To learn how to market compounding to local health care providers	- Increase the number of compounding Rx's into Causey's - Perform minor compounding activities (requires pharmacy license)	Block Experience - 8 weeks experience - 1 week of training (PCCA) - 2 weeks of prep time - 10 weeks of marketing and designing	Pending
2) Asthma program	- To gain experience in working within a clinical trial: recruitment, and maintenance	- Recruit & consent patients for a study - Educate patients about Asthma - Become comfortable with Tx & pathophysiology of asthma	Block Experience - 3 month experience - 2 hours per week - See patients during Causey Clinic	Nearly complete
3) Anticoagulation clinic	- To gain experience with anticoagulation	- Become comfortable with assisting in the management of warfarin & LWMH patients - Assist in the development of a relationship with NRMC	Block Experience - 3 month experience - 4 hours per week on Thursdays	Completed
4) MTM Clinic	- To be able to create, management and track outcomes of a MTM clinic	- Become proficient in drug information, therapeutics, and pharmacoeconomics	Longitudinal Experience - MTM will take place during Causey clinic	Will pick up next month

		<ul style="list-style-type: none"> - Improve patient encounter confidence - Be able to start MTM any environment - Learn to work with local health care providers 	<ul style="list-style-type: none"> - Expect this to grow throughout the year 	
5) Teach 2 Diabetes Classes/month	<ul style="list-style-type: none"> - To be able to create, manage and track outcomes for a ADA recognized site 	<ul style="list-style-type: none"> - Teach education class - Assist in retention of members - Assist with billing patients - Assist with preparing ADA documentation 	Block Experience <ul style="list-style-type: none"> - 6 month experience - Meets 2 per month 	Progressing well
6) Initial Diabetes appointment	<ul style="list-style-type: none"> - To become an expert in the management of diabetes 	<ul style="list-style-type: none"> - Lead initial DM encounters - Be able to make therapeutic recommendations - Learn to work with local health care providers 	Longitudinal Experience <ul style="list-style-type: none"> - See patients during Causey Clinic on Wednesday 	Progressing well
7) 1st author peer-reviewed writing assignment (timeline)	<ul style="list-style-type: none"> - Primary publisher of a peer-reviewed manuscript 	<ul style="list-style-type: none"> - To become published - Learn the process of publication 	One-Time/Block Experience <ul style="list-style-type: none"> - Identify topic by November - Draft outline by December - 1st Draft due by February - 2nd Draft due by March - Submit to Peer-review by April - Complete revisions by May 	Completed and Published
8) Insulin pump Clinic	<ul style="list-style-type: none"> - To become efficient in the concepts of insulin pump treatment 	<ul style="list-style-type: none"> - Be able to access and train a patient carbohydrate count - Be able to access and train a patient to button push - Be able to co-adjust basal, ISF, & Carbohydrate ratios 	Block Experience <ul style="list-style-type: none"> - Required to manage 3 pump patients to discharge - Between March to June 	Completed
9) Become licensed in Louisiana	<ul style="list-style-type: none"> - To become licensed pharmacist in Louisiana 	<ul style="list-style-type: none"> - Be able to work in the pharmacy - Be able to compound in the 	Longitudinal Experience <ul style="list-style-type: none"> - Staff every month 	Passed NAPLEX Need to take Law

		<ul style="list-style-type: none"> - pharmacy Staff in pharmacy one Saturday per month - Recruit for MTM, Asthma, and Diabetes patients while staffing 		
10) Become a licensed immunizing pharmacist in Louisiana (timeline)	- To be able to create, manage, and maintain an immunization program	<ul style="list-style-type: none"> - Assist in the develop of an Flu Shot Clinic - Assist with Hepatitis B Vaccinations - 	Block Experience <ul style="list-style-type: none"> - As soon as possible - Assist at the Diabetes Fair (November 3rd 2006) 	Need to check with Louisiana Board on Hours of Internship
11) Submit poster to APhA due October 6th	- To experience basic scholarly research and activities	<ul style="list-style-type: none"> - Be able to identify a research idea - Be able to draft and submit and abstract - Collect, prepare, and present results in poster format 	One Time Experience <ul style="list-style-type: none"> - August to October 6th - Identify a topic – September 1st - Collect data and begin composing abstract - 1st Draft by September 29th - 2nd Draft by October 4th 	Completed
12) Monthly report	- To be able to track, reflect, and review experiences throughout the residency	<ul style="list-style-type: none"> - Create template for monthly report - To track total encounters & revenue generated during residency - To update resume 	Longitudinal Experience <ul style="list-style-type: none"> - Due at the end of the first week of the month 	Completed
13) Obtain national provider number	- To obtain national provider number	- To become aware of the national attention pharmacists are receiving	One Time Experience <ul style="list-style-type: none"> - As soon as possible 	Need update?
14) Speaking opportunity at LSHP	- To gain the experience of presenting & educating EBM material	<ul style="list-style-type: none"> - Become involved in local pharmacy organization - Become an expert on a particular topic - Prepare a well balance non-bias update on novel DM medications 	One Time Experience <ul style="list-style-type: none"> - Determine topic by July 30th - Begin collecting Evidence based medicine – August 30th - Review 1st draft on Sept 	Completed

			7 th - Review 2 nd draft on Sept 27th	
15) Speaking opportunity at LPA – DROPPED!				
16) Residency project	- To experience creating, researching, presenting, and publishing an independent research idea	- To determine a research idea - To manage the processes of a major project - To experience the IRB - To experience statistical analysis - To present your work	Longitudinal Experience - Determine idea by November 1 st 2006 - Apply to Xavier IRB by December 1 st 2006 - Begin	Completed and Presented
17) Assist with precepting pharmacy students	- To apply gained knowledge and experience the joy of educating	- To assist students throughout the rotation - Allow student to accompany you in Employer day, and Causey clinic day - Lead Monthly Journal Club – Use your approach!	Longitudinal Experience - Begin Journal club in Aug	Progressing well
19) Submit Incentive grant to APhA (Consider dropping!)	- Experience to application process for a competitive peer-review grant		Longitudinal Experience	Completed – Awarded
20) Obtain liability insurance	- To be personally covered for any type of liability sued	- Be aware of the importance of protecting yourself, career, and livelihood -	One Time Experience - As Soon as possible. By July 15th	Completed
21) Attend conferences	- To become involved on a local and national level	- Attend meetings to network - Attend to gain new updated CE - Attend to advance career - Attend to promote residency - Attend to present residency project	Longitudinal Experience - LPA – July & Dec - LSHP – Oct - ACCP – Oct or April - APhA – April - Residency conference - May	Doing well
22) Read Foundation grant/ Residency Syllabus	- To understand the specific aims of this	- To ensure of true understanding of intent of residency	One Time Experience - By July 15	Completed

	residency			
24) Smoking Cessation Program (Dropped!!!)				
26) Xavier Diabetes Grant	-	- To assist in recruitment and education of Pilgram's Pride DM patient		Assisted with