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Education

1999-2003 PhD in Pharmacoepidemiology and Pharmacoeconomics
Department of Applied Pharmaceutical Sciences
College of Pharmacy, University of Rhode Island

1991-1996 BS, Pharmacy
College of Pharmacy, University of Jordan

Positions and Employment

2010-present Assistant Professor
College of Pharmacy
Department of Pharmaceutical Health Outcomes and Policy
University of Houston

2008-2010 Lecturer
College of Pharmacy
Department of Clinical Sciences and Administration
University of Houston

2007-2008 Lecturer
Pharmacy Practice
Bouve College of Health Sciences
Northeastern University

 Adjunct Assistant Professor
Department of Pharmaceutical Sciences
Massachusetts College of Pharmacy and Healthcare Sciences

 Senior Instructor
Healthcare Management Masters Program
Cambridge College

2005-2006 Epidemiology Consultant
Episource Consultants LLC

2003-2005	Postdoctoral Fellow Department of Applied Pharmaceutical Sciences Program in Pharmacoepidemiology and Pharmacoconomics College of Pharmacy, University of Rhode Island
1996-1998	Teaching and Research Assistant College of Pharmacy, University of Jordan

Honors/Awards

2002	Award, Rho Chi Pharmaceutical Honor Society for Excellence in Academia
2004	Nominated, 2004 JMCP Award for Excellence in Writing
2007	Award, Sigma Delta Tau Outstanding Professor, Northeastern University
2009	Best Poster Award, 10 th Annual Health Services & Outcomes Research Conference
2010	Best Poster Award, 11 th Annual Health Services & Outcomes Research Conference
2011	Finalist Poster Award, 16 th Annual ISPOR International Meeting
2011	Best Poster Award, 12 th Annual Health Services & Outcomes Research Conference
2012	Finalist Poster Award, 17 th Annual ISPOR International Meeting
2013	Best Poster Award, 14 th Annual Health Services & Outcomes Research Conference
2015	Finalist Poster Award, 20 th Annual ISPOR International Meeting
2016	Two Finalist Poster Awards, 21 st Annual ISPOR International Meeting
2016	Gold Medal Poster Award, Academy of Managed Care & Specialty Pharmacy Annual Meeting
2016	Two Bronze Medal Poster Awards, Academy of Managed Care & Specialty Pharmacy Annual Meeting
2016	Nominated for the Rho Chi Teaching Excellence Awards 2015/2016 (Results to be announced Fall, 2016)

Publications

**(Asterisk denotes publications where Dr. Abughosh served as corresponding author.)*

1. **Abughosh SM***, Wang X MS, Serna O, Henges C, Masilamani S, Essien EJ, Chung N, Fleming M. (2016). A Pharmacist telephone intervention to identify adherence barriers and improve adherence among non-adherent patients with comorbid hypertension and diabetes in a Medicare Advantage Plan. *JMCP*, 22(1), 63-73.
2. Woods A, Esse T, **Abughosh S**, Serna O. (2016) Evaluating Pharmacist-written recommendations to providers in a Medicare Advantage Plan: Factors associated with provider acceptance. *JMCP*, 22(1), 49-55.
3. Yang M, Chen H, Johnson M, Chen H, Essien EK, Peters RJ, **Abughosh S***. (2016) Comparison of abstinence rate of smoking cessation medications among obese smokers. *Journal of behavioral health*, 5(3): 95-104
4. Obeidat NA, Ayub HS, Ammarin R, Tamimi B, Ghoneimat I, **Abughosh S**, Hawari FI. (2016). Smoking cessation support among oncology practitioners in a regional cancer

center in the Middle East – improving a critical service for cancer care. *The Oncologist*, 21, 1-3. [Epub ahead of print]

5. Yang M, Chen H, Johnson M, Chen H, Essien EK, Peters RJ, **Abughosh S***. (2016). Comparative effectiveness of smoking cessation medications to attenuate weight gain following cessation. *Substance Use and Misuse*, 51(5), 586-597. [Epub ahead of print]
6. Almogbel, Y, **Abughosh, S**, Almeman, A, & Sansgiry, S (2016). Factors associated with the willingness to quit smoking among a cohort of university students in the KSA. *Journal of Taibah University Medical Sciences*, 11(2), 128-133.
7. Athamneh L, Sansgiry S, Essien EJ, **Abughosh S***. (2015). Intention to quit waterpipe smoking among Arab Americans: Application of the theory of planned behavior. *J Ethn Subst Abuse*, Dec. 31, 1-11. [Epub ahead of print]
8. Yang M, Chen H, Johnson M, Chen H, Essien EK, Peters RJ, Wu I, **Abughosh S***. (2015). Comparison of diabetes risk following smoking cessation treatment using Varenicline vs. Bupropion among obese smokers. *Substance Use and Misuse*, 50(13), 1628-37.
9. Jadav S, Rajan S, **Abughosh S**, Sansgiry S. (2015). The Role of Socio-Economic Status and Healthcare Access in Breast Cancer Screening Compliance among Hispanics. *Journal of Public Health Management & Practice*, 21(5), 467–476.
10. Wang X, Essien EJ, **Abughosh S***. (2015). Racial and ethnic disparity in smoking cessation medications in the US. *Journal of behavioral health*, 4(3), 63-70.
11. Dwibedi N, Sansgiry S, Johnson ML, **Abughosh S**, Essien, EJ, Mehta P. (2015). Parents' expectation to receive antibiotic prescriptions for children. *Journal of Human Behavior in the Social Environment*, 25, 530-55.
12. Athamneh L, Sansgiry S, Essien EJ, **Abughosh S***. (2015). Predictors of intention to quit waterpipe smoking: a survey of Arab Americans in Houston, Texas. *J. Addict*, 2015, 575479.
13. **Abughosh S***, Wu I, Wang X, Almogbel Y, Bhounsule P, Yang M, Hawari F, Essien EK, Peters RJ, Sansgiry S. (2015). Predictors of Cigarette Smoking across Five Countries: a Cross-sectional Study. *J Behav Health*, 4(1), 7-13.
14. Nweke GK, Essien EJ, **Abughosh S**, Pitman P, Adams J, Varkey D. (2014). Evaluation of Pharmacists' perspectives towards peer review and identification of opportunities for improvement. (2014) *TSHP Journal*, 15, 5-24.
15. Yang M, Mehta H, Bhowmik D, Essien E, **Abughosh S***. (2014). Predictors of smoking cessation medication use among obese and non-obese smokers. *Substance Use and Misuse*, 49(6), 752-61.
16. Meshack A, Peters RJ, Lin M Hill M, **Abughosh S**, Savage C, Essien EJ. (2014). The beliefs of teenage male synthetic cannabinoid users: A qualitative Study. *American Journal of Health Studies*, 28 (3).

17. Athamneh L, Al-Moghrabi M, Athamneh M, Ekere Essien, **Abughosh S***. (2014). Parents' knowledge, attitudes and beliefs of childhood fever management in Jordan. *Journal of Applied Research on Children*, 5(1), Article 8.
18. Yu Y, Rajan S, Essien E, Yang M, **Abughosh S***. (2014). The relationship between obesity and prescription of smoking cessation medications. *Population Health Management*, 17(3), 172-9.
19. Kadakia A, Rajan S, **Abughosh S**, Du X, Johnson M. (2015). CMF-regimen preferred as first-course chemotherapy for older and sicker women with breast cancer: SEER-Medicare based population study. *The American Journal of Clinical Oncology*, 38(2), 165-73.
20. **Abughosh S***, Hawari F, Essien E, Peters RJ, Wu IH. (2013). Beliefs in effectiveness of various smoking cessation interventions among Jordanian adult smokers. *J Behav Health*, 2(3), 213-222.
21. Almogbel Y, **Abughosh S**, Almogbel F, Alhaidar I, Sangsiry S. (2013). Predictors of Smoking among Male College Students in the Kingdom of Saudi Arabia *EMHJ*, 19(11), 909-914.
22. Yu Y, Rajan S, Essien E, Chen H, Yang M, **Abughosh S***. (2013). Obesity and Prescription of Smoking Cessation Medications. *J Behav Health*, 2(4), 291-298.
23. Peters RJ, Meshack A, Lin M, **Abughosh S**. (2013). The social norms and beliefs of teenage male electronic cigarette use. *J Ethn Subst Abuse*, 12, 300-307.
24. Bhounsule P, **Abughosh S**, Essien J, Sangsiry S. (2013). Predictors of cigarette smoking behavior in a cohort of adults in India. *J Behav Health*, 2(2), 105-111.
25. Yang M, Bhowmik D, Wang X, **Abughosh S***. (2013). Does combination pharmacological intervention for smoking cessation prevent post-cessation weight gain? A systemic review. *Addictive Behaviors*, 38, 1865-1875.
26. **Abughosh S***, Yang M, Wu I, Hawari F, Peters RJ, Essien EJ. (2012). Waterpipe smoking among Jordanian adults: Predictors and correlates. *J Behav Health*, 1(1), 7-15.
27. **Abughosh S***, Wu IH, Hawari F, Peters RJ, Yang M, Crutchley R, Essien EJ. (2012). Cigarette smoking among Jordanian adults. *J Ethn Subst Abuse*, 11, 101-112.
28. Yang M, Wu I, Sangsiry S, Peters RJ, Essien EJ, **Abughosh S***. (2012). Predictors of intention to quit cigarette smoking among Chinese. *J Behav Health*, 1(2), 93-101.
29. Yang M, **Abughosh S**, Sangsiry S, Peters RJ, Wu I, Essien EJ. (2012). Predictors of cigarette smoking among Chinese adults. *J Behav Health*. 1(3), 157-166.
30. **Abughosh S***, Wu I, Peters RJ, Rajan S, Essien EJ. (2012). Waterpipe smoking among students in one US university: Predictors of an intention to quit. *Journal of American College Health*, 60(7), 528-535.

31. **Abughosh S***, Wu I, Peters RJ, Hawari F, Essien EJ. (2012). Ethnicity and waterpipe smoking among US Students. *The International Journal of Tuberculosis and Lung Disease*. 16(11), 1551–1557.
32. Mgbere O, Monjok E, **Abughosh S**, Ekong E, Holstad M, Essien EJ. (2012). Modeling covariates of self-perceived and epidemiologic notions of risk for acquiring STIs/HIV among military personnel: A comparative analysis. *AIDS and Behavior*, 2013(3), 1159-75.
33. Wu IH, Essien EJ, Sansgiry SS, Peters RJ, Yang M, **Abughosh S***. (2011). Cigarette smoking among Taiwanese adults. *Epidemiol*, 1, 107.
34. Yu Y, Yang M, Sansgiry SS, Essien EJ, **Abughosh S***. (2011). Beliefs in effectiveness of various smoking cessation interventions among Chinese adult smokers. *Epidemiol*, 1, 106.
35. **Abughosh S***, Wu IH, Hawari F, Peters RJ, Yang M, Crutchley R, Essien EJ. (2011). Predictors of intention to quit cigarette smoking among Jordanian adults. *Epidemiol*, 1, 103.
36. **Abughosh S***, Wu IH, Peters RJ, Essien EJ, Crutchley R. (2011). Predictors of persistent waterpipe smoking among university students in the United States. *Epidemiol*, 1, 102.
37. Mehta H, Patel J, Parikh R, **Abughosh S***. (2012). Physician differences in obesity management. *Population Health Management*, 5(5), 287-292.
38. Crutchley RD, Gathe J, Jr, Mayberry C, Trieu A, **Abughosh S**, Garey K. (2012). Risk factors for vitamin D deficiency in HIV-infected patients in the South Central United States. *AIDS Research and Human Retroviruses*, 28(5), 454-9.
39. Essien EJ, Mgbere O, Monjok E, **Abughosh S**, Ekong E, Holstad M. (2010). Predictors of frequency of condom use and attitudes among sexually active female military personnel in Nigeria. *Journal of HIV/AIDS - Research and Palliative Care*, 2, 77-88.
40. Essien EJ, Monjok E, **Abughosh S**, Ekong E, Peters R, Chen H, Holmes L, Holstad M, Mgbere O. (2010). Correlates of HIV knowledge and sexual risk behaviors among female military personnel. *AIDS and Behavior*, 14(6), 1401-1414.
41. **Abughosh S***, Kogut S. (2008). Comparison of persistence rates of acetylcholinesterase inhibitors in a state Medicaid program. *Patient Preference and Adherence*, 2, 79-85.
42. Kogut S, El-Maoche D, **Abughosh S**. (2005). Decreased persistence to cholinesterase inhibitor therapy with concomitant use of drugs that can impair cognition. *Pharmacotherapy*, 25(12), 1729-35.
43. **Abughosh S***, Kogut S, Andrade S, Larrat E, Gurwitz J. (2004). Persistence with lipid-lowering therapy: Influence of the type of lipid-lowering agent and drug benefit plan option in elderly patients. *J Manag Care Pharm*, 10(5), 404-11.

Accepted Manuscripts (In Press)

1. Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, Wang X, **Abughosh S***. Comparison of suicide attempts/behaviors following smoking cessation treatments among Schizophrenic smokers. *Archives of Psychiatric Nursing*. (In press)
2. Fleming ML, Driver L, Sansgiry SS, **Abughosh S**, Wanat M, Sawant RV, Ferries E, Reeve K, Todd KH. Physicians' intentions to prescribe hydrocodone combination products after rescheduling: A theory of reasoned action approach. *Research in Social and Administrative Pharmacy*. (In Press)

Manuscripts Under Review

1. Jadav B, Esse T, Serna O, Wang X, **Abughosh S**. Primary care physician perception of an eNewsletter within a Medicare Advantage Plan.
2. Mann A, Esse T, Serna O, Wang X, **Abughosh S**. Mailed letters targeting medication adherence in a Medicare Advantage members.
3. Smith L, Esse Tara, Serna O, **Abughosh S**. A pharmacist implemented initiative to improve a diabetes treatment measure among patients enrolled in Non-incentivized Medicare Advantage.
4. Sansgiry S, Bhansali A, Serna O, Fleming, M, **Abughosh S**, Kamdar M, Stanford R. Does coverage gap among Medicare patients with COPD lead to increased hospitalization and emergency room visit?
5. Fleming ML, Driver L, Sansgiry SS, Sawant RV, **Abughosh S**, Wanat M, Pickard T, Reeve K, Todd KH. Predicting Texas physicians' intentions to prescribe hydrocodone combination products
6. Mhatre S, **Abughosh S**, Sherer J, Sansgiry S. Influence of patients' perceived relationship with physician and pharmacist and its influence on belief in medicine.
7. Wu IH, Essien E, Chen H, **Abughosh S***. Predictors of being prescribed smoking cessation agents among mental disorders patients.
8. Bhounsule P, Jadav S, **Abughosh S**, Essien J, Sansgiry S. Predictors of willingness to quit cigarette smoking in a cohort of adults in India.
9. Wang X, Chen H, Essien EJ, Yang M, **Abughosh S***. Predictors of a successful outcome among adult smokers in the United States. *Substance Use and Misuse*.
10. Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, Wang X, **Abughosh S***. Comparative effectiveness of smoking cessation medications among Schizophrenic Smokers.
11. Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, Wang X, **Abughosh S***. Comparison of cardiovascular risks following smoking cessation treatments using Varenicline vs. NRT among Schizophrenic smokers.

Conference Presentations/ Published Abstracts

Podium Presentation

1. Vadhariya A, Divyan C, **Abughosh S**. The intention to use e-cigarettes and its association with cigarette smoking intention and habits among US youth. Presented at the 2016 Southern Pharmacy Administration Conference Oxford, MS, June 2016
2. Yang M, Wang X, Chen H, Johnson M, Essien EJ, Peters RJ, **Abughosh S**. Comparative effectiveness of smoking cessation medications to attenuate weight gain following cessation. *Value in Health*, 17 (3), CE1. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada, May 2014.

Poster Presentations

1. **Abughosh S**, Xin Wang, Omar Serna, Tara Esse, Marc Fleming. Feasibility of a phone-based motivational interviewing (MI) intervention to improve medication adherence by Pharmacy Students on advanced pharmacy practice experience (APPE) rotation in a Medicare Advantage with Prescription Drug Plan (MAPDP). Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
2. Wang X, **Abughosh S**. Cost effectiveness analysis of antihypertensive combination therapy among patients with moderate to severe hypertension. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
3. Wang X, Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, **Abughosh S**. Comparison of cardiovascular risks following smoking cessation treatments using Varenicline vs. NRT among schizophrenic smokers. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016). *Finalist Poster Award*.
4. Wang X, Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, **Abughosh S**. Comparison of suicide attempts/behaviors following smoking cessation treatments among schizophrenic smokers. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
5. Bui N, Mann A, Esse T, Wang X, Serna O, **Abughosh S**. Carisoprodol Prescribing among Elderly Patients Enrolled in a Medicare Advantage Plan: A cross sectional study. Presented in the American College of Clinical Pharmacy (ACCP) Virtual Poster Symposium. (May, 2016)
6. Romero B, Raha B, Esse T, Serna O, Wang X, **Abughosh S**. Examination of physician preference regarding mode of e-newsletter communication: A sub-analysis of a physician survey within a Medicare advantage plan regarding PCP e-newsletters. Presented in the Academy of Managed Care Pharmacy (AMCP), San Francisco, US. (April, 2016)

7. Mann A, Esse T, Serna O, Wang X, **Abughosh S**. Impact of mailed letters on medication adherence in a Medicare Advantage Plan. JMCP Supplement (22):4-a, U28. Presented in the Academy of Managed Care & Specialty Pharmacy Annual Meeting, San Francisco, USA. (April, 2016). Poster won Bronze Medal Award.
8. Jadav B, Esse T, Serna O, Wang X, **Abughosh S**. Primary care physician perception of an e-newsletter within a Medicare Advantage Plan. JMCP Supplement (22):4-a, U33. Presented in the Academy of Managed Care & Specialty Pharmacy Annual Meeting, San Francisco, USA. (April, 2016). Poster won Bronze Medal Award.
9. Wang X, Wu I, Chen H, Bordnick P, Essien EJ, Johnson M, Peters RJ, **Abughosh S**. Comparative effectiveness of smoking cessation medications among schizophrenic smokers. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
10. Mgbere O, Li Y, **Abughosh S**, Essien EJ. The role of ecological factors on self-perceived and epidemiologic contexts of HIV/STDs risk among African American adolescents. To be presented in the American Public Health Association Annual Meeting & Expo. (Oct, 2016)
11. Sansgiry S, Bhansali A, Serna O, Fleming, M, **Abughosh S**, Kamdar M, Stanford R. Factors affecting prescription drug coverage gap among COPD patients: Analysis of time to coverage gap. JMCP Supplement (22):4-a, J19. Presented in the Academy of Managed Care & Specialty Pharmacy Annual Meeting, San Francisco, USA. (April, 2016). Poster won Gold Medal Award.
12. Fleming ML, Driver L, Sansgiry SS, Sawant RV, **Abughosh S**, Wanat M, Pickard T, Reeve K, Todd KH. Impact of hydrocodone rescheduling on Texas physicians' future pain management. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
13. Li Y, Mgbere O, Essien EJ, **Abughosh S**, Chen H Cuccaro P. Modeling ecodevelopmental context of STDs/HIV risk and protective behaviors among African American adolescents. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016). Finalist Poster Award.
14. Patel J, Dalal A, Stanford S, Aparasu R, **Abughosh S**, Johnson M. Using readily available administrative data elements to predict future medication non-adherence among COPD patients with employer-sponsored insurance. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
15. Bhansali A, Sansgiry S, Serna O, Fleming, M, **Abughosh S**, Kamdar M. Assessment of Medicare Advantage Prescription drug coverage gap among COPD patients: Analysis of hospitalization use. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)

16. Patel J, Dalal A, Stanford S, Aparasu R, **Abughosh S**, Johnson M. Patient-centered outcomes associated with initial maintenance therapy use behavior among chronic obstructive pulmonary disease patients with employer sponsored insurance. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May 2016).
17. Li Y, Mgbere O, Essien EJ, **Abughosh S**, Chen H Cuccaro P. Ecodevelopmentally Based study of epidemiological and self-perceived indices of HIV risk among young African Americans: A comparative analysis. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016).
18. Fleming ML, Driver L, Sansgiry SS, Sawant RV, **Abughosh S**, Wanat M, Pickard T, Reeve K, Todd KH. Predicting Texas physicians' intention to prescribe hydrocodone combination products after rescheduling. Impact of Hydrocodone Rescheduling on Texas Physicians' Future Pain Management. Presented in the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 21st Annual International Meeting, DC, USA. (May, 2016)
19. Tran R, **Abughosh S**, Giwa K, Pidcock K. Pharmacy student led motivational interview in hospitalized patients: A pilot study of feasibility. Midwest Pharmacy Residency Conference Platform Presentation, Omaha, NB. (May, 2016)
20. **Abughosh S**, Masilamani K, Li Y, Esse T, Mann A, Raha B, Serna O. Adherence barriers identified by a motivational interviewing pharmacy-student intervention among Medicare Advantage Plan (MAP) Patients. To be presented at AACP Annual Meeting, Pharmacy Education 2016 in Anaheim, California. (July, 2016)
21. Tran R, **Abughosh S**, Giwa K, Pidcock K. Development, implementation, and evaluation of student pharmacist-led motivation interview intervention in patients with hypertension and poor medication adherence. UHC Resident Poster Session, New Orleans, LA. (December, 2015)
22. Bui AQ, Esse TW, Serna O, **Abughosh S**. Feasibility of motivational interviewing (MI) training for pharmacy students on Advanced Pharmacy Practice Experience (APPE) rotations in a Medicare Advantage with Prescription Drug Plan (MAPDP) setting. ASHP Mid-Year Clinical Meeting, New Orleans. (December, 2015)
23. **Abughosh S**, Wang X, Serna O, Henges C, Essien EJ, Masilamani S, Fleming M. Impact of a pharmacist telephone intervention on medication adherence among hypertensive patients with diabetes in a Medicare Advantage Plan. International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 20th Annual International Meeting, Philadelphia, USA. (May 2015)
24. Wang X, Serna O, Henges C, Essien EJ, Masilamani S, Fleming M. **Abughosh S**. Impact of a pharmacist telephone intervention on preventing medication discontinuation among hypertensive patients with diabetes in a Medicare Advantage Plan. International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 20th Annual International Meeting, Philadelphia, USA. (May 2015). Finalist Poster Award.

25. Smith L, Esse T, Serna O, Gallardo E, **Abughosh S**. A pharmacist implemented initiative to improve ACEI/ARB prescribing among patients with comorbid hypertension and diabetes enrolled in a Medicare Advantage Plan. Poster presented at Academy of Managed Care Pharmacy Annual Meeting & Expo. San Diego, CA. (April, 2015)
26. Smith L, Esse T, Serna O, Gallardo E, **Abughosh S**. A pharmacist implemented initiative to improve the STAR rating for the Diabetes Treatment Measure within a Medicare Advantage Plan. Platform presentation at Texas Society of Health-Systems Pharmacists ALCALDE. San Antonio, TX. (April, 2015)
27. Almogbel Y , **Abughosh S**, Essien EJ, Wu I, Sansgiry S. Predictors of cigarette smoking in three Asian countries: China India And Taiwan. Advantage Plan. International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 20th Annual International Meeting, Philadelphia, USA. (May 2015)
28. Woods A, Esse T, **Abughosh S**, Serna O. Evaluating pharmacist-written recommendations to providers in a Medicare Advantage Plan: factors associated with provider acceptance. Poster presented at the 49th ASHP Midyear clinical meeting and exhibition, Orange County, California. (December, 2014)
29. Wang X, **Abughosh S**, Sansgiry S. Cost-benefit analysis of Varenicline, Bupropion Sustained Release (SR), and Varenicline combined with Bupropion Sustained Release (SR) in smoking cessation in US. Poster presented at the 15th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2014)
30. **Abughosh S**, Wang X, Henges C, Fleming M, Serna O. Impact of a pharmacist telephone intervention on medication adherence among hypertensive patients with diabetes in a Medicare Advantage Plan. Poster presented at the 15th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2014)
31. Almogbel YS, **Abughosh S**, Sansgiry S. Beliefs in effectiveness of smoking cessation interventions among male Saudi College students. Value in Health, 17 (3), PHS92. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May 2014)
32. **Abughosh S**, Wu, I, Wang X, MS, Essien EJ, Peters RJ, Almogbel Y, Sansgiry S. Predictors of cigarettes smoking among adults in five countries: China, Jordan, India, Taiwan, and Saudi Arabia. Value in Health, 17 (3), PRS16. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May, 2014)
33. Wu I, **Abughosh S**. Smoking cessation pharmacological interventions among schizophrenia smokers: A systematic review. Value in Health, 17 (3), PRS8. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May, 2014)
34. **Abughosh S**, Wang X, MS; Henges C, Fleming M, Serna O. Adherence barriers to ACE-Is and ARBs among non-adherent hypertensive patients with diabetes enrolled in a Medicare Advantage Plan. Value in Health, 17 (3), PDB94. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May, 2014)

35. Wang X, Yang M, Chen H, Essien EJ, **Abughosh S**. Evaluating prescribing rates of smoking cessation medication among adult smokers. *Value in Health*, 17 (3), PRS66. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May, 2014).
36. Wang X, Yang M, Chen H, Essien EJ, **Abughosh S**. Predictors of a successful cessation outcome among adult smokers using smoking cessation medication. *Value in Health*, 17 (3), PRS65. Presented at the ISPOR19th Annual International Meeting, Montreal, QC, Canada. (May, 2014)
37. Athamneh L, El-Mughrabi M, Athamneh M, Essien EJ, **Abughosh S**. Antibiotic use and perception among Jordanian parents. Presented at the American Pharmacists Association (APhA) Annual Meeting & Exposition, Orlando Florida. (March, 2014)
38. Athamneh L, El-Mughrabi M, Athamneh M, Essien EJ, **Abughosh S**. Antibiotic use for children in Jordan. Poster presented at the 14th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2013)
39. Wu I, Hawari F, Essien EJ, Peters RJ, **Abughosh S**. Beliefs in effectiveness of cigarette smoking cessation interventions among Jordanian adult smokers. Poster presented at the 14th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2013)
40. **Abughosh S**, Hawari F, Essien EJ, Peters RJ, Wu I. Beliefs in effectiveness of waterpipe smoking cessation interventions among Jordanian adult smokers. Poster presented at the 14th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2013)
41. Almogbel Y, **Abughosh S**, Almeman A, Sansgiry S. Predictors of willingness to quit smoking among a cohort of male college students in the Kingdom of Saudi Arabia. *Value in Health*, 16 (3), PHS6. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA, USA. (May, 2013)
42. Jadav S, Bhounsule P, **Abughosh S**, Essien E, Sansgiry SS. (2013). Predictors of willingness to quit cigarette smoking in a cohort of adults in India. *Value in Health*, 16(3), A232. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
43. **Abughosh S**, Hawari F, Essien EJ, Peters RJ, Wu I. Beliefs in effectiveness of various smoking cessation interventions among Jordanian adult smokers. *Value in Health*, 16 (3), PRS35. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
44. Wang X, **Abughosh S**. Racial and ethnic disparity in smoking cessation medication use among adult smokers in the United States. *Value in Health*, 16 (3), PRS55. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)

45. Yang M, Chen H, Johnson M, Essien EJ, Peters RJ, **Abughosh S**. Comparative effectiveness of smoking cessation medications among obese smokers. Value in Health, 16 (3), PSY7. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
46. **Abughosh S**, Yang M, Chen H, Johnson M, Essien EJ, Peters RJ. Comparison of risk of time to developing diabetes of smoking cessation medications among obese smokers. Value in Health, 16 (3), PDB8. Poster presented at the ISPOR18th Annual International Meeting, New Orleans. (May, 2013)
47. Pravin K, Aparasu R, Chen H, Johnson M, **Abughosh S**, Bhatara V. Cardiovascular safety of concurrent use of atypical antipsychotic agents and long acting stimulants in children and adolescents diagnosed with attention deficit/hyperactivity disorder. Value in Health, 16 (3), PCV1. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
48. Pravin K, Aparasu R, Chen H, Johnson M, **Abughosh S**, Bhatara V. Impact of atypical antipsychotic use on the persistence of the stimulant treatment in children and adolescents with attention deficit/hyperactivity disorder. Value in Health, 16(3), PMH16. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
49. Pravin K, Aparasu R, Chen H, Johnson M, **Abughosh S**, Bhatara V. Concurrent stimulant and atypical antipsychotic use among Medicaid children and adolescents with attention. Value in Health, 16 (3), PMH14. Poster presented at the ISPOR18th Annual International Meeting, New Orleans, LA. (May, 2013)
50. **Abughosh S**, Wu I, Peters RJ, Essien EJ, Crutchley R. Predictors of persistent waterpipe smoking among university students in the United States. Value in Health, 15 (4), A53. Poster presented at the ISPOR 17th Annual International Meeting, Washington, DC. (June, 2012)
51. **Abughosh S**, Yu Y, Yang M, Rajan S, Essien EK. Smoking cessation medication use among adult smokers with various body weight levels - A NHANES study. Value in Health, 15 (4), A107. Poster presented at the ISPOR 17th Annual International Meeting, Washington, DC. (June, 2012)
52. Yang Mo, Bhowmik D, Essien EJ, **Abughosh S**: Predictors of smoking cessation medication use among obese and non-obese smokers. Abstract, the 7th Asian Conference of Pharmacoepidemiology. Bangalore, India. (October, 2012)
53. Bhounsule P, **Abughosh S**, Essien J, Sansgiry S. Predictors of willingness to quit among the among the cohort of adults smokers in India. Value in Health, 15 (4), A60. Poster presented at the ISPOR 17th Annual International Meeting, Washington, DC. (June, 2012).
54. Wu I, Rajan S, Peters RJ, Essien EJ, **Abughosh S**. Waterpipe smoking among US university students: Predictors of an intention to quit. Value in Health, 15 (4), A53. Poster presented at the ISPOR 17th Annual International Meeting, Washington, DC. (June, 2012). Finalist Poster Award.

55. Yang M, Yu Y, Rajan S, Essien EK, **Abughosh S**. Smoking cessation medication utilization pattern among adult smokers with different body weight levels - A NAMCS study. *Value in Health*, 15 (4), A107-108. Poster presented at the ISPOR 17th Annual International Meeting, Washington, DC. (June, 2012).
56. **Abughosh S**, Wu I, Peters RJ, Essien EJ. Ethnicity and waterpipe smoking among University of Houston students. Poster presented at the 12th Annual Health Services & Outcomes Research Conference, Houston, TX. (November, 2011). *First Place Best Poster Award*
57. Mhatre S, **Abughosh S**, Sherrer J, Sansgiry, S. Medication belief and relationship with physicians. Poster presented at the 12th Annual Health Services & Outcomes Research Conference, Houston, TX. (November, 2011)
58. Bhounsule P, **Abughosh S**, Essien EJ, Sansgiry S. Socio-demographic characteristics of adult cigarette smokers in India. Poster presented at the 12th Annual Health Services & Outcomes Research Conference, Houston, TX. (November, 2011).
59. Wu I, Hawari F, Crutchley R, Peters RJ, Essien EJ, **Abughosh S**. Predictors of intention to quit cigarette smoking among Jordanian adults. Poster presented at the 12th Annual Health Services & Outcomes Research Conference, Houston, TX. (November, 2011). *Second Place Best Poster Award*.
60. Yang M, **Abughosh S**, Wu I, Sansgiry S, Hawari F, Peters RJ, Essien EJ. Waterpipe smoking among Jordanian adults: Predictors and correlates. *Value in Health*, 14 (3), A137-138. Poster presented at the ISPOR16th Annual International Meeting, Baltimore, MD. (May, 2011)
61. Wu IH, **Abughosh S**, Hawari FI, Peters RJ, Essien EJ, Yang M. Cigarette smoking among Jordanian adults: Predictors and correlates. *Value in Health*, 14 (3), A137. Poster presented at the ISPOR16th Annual International Meeting, Baltimore. (May, 2011)
62. Mehta HB, Patel J, Parikh R, **Abughosh S**. Predictors of obesity treatment (counseling or pharmacotherapy) in ambulatory settings. *Value in Health*, 14 (3), A68. Poster presented at the ISPOR16th Annual International Meeting, Baltimore, MD. (May, 2011). *Finalist Poster Award*.
63. Shah AJ, Patel JG, Rajan SS, **Abughosh S**, Masilamani S. Disparity in obesity management: under-treatment in elderly population. *Value in Health*, 14 (3), A69. Poster presented at the ISPOR16th Annual International Meeting, Baltimore, MD. (May, 2011)
64. Bhounsule P, **Abughosh S**. Predictors of the combined diagnosis on hyperlipidemia and hypertension, A NHANES 2007-2008 study. *Value in Health*, 14 (3), A34-35. Poster presented at the ISPOR16th Annual International Meeting, Baltimore, MD. (May, 2011)

65. Kadakia A, Mehta H, Rajan, **Abughosh S**. Does Clinical Diagnosis of obesity increase the likelihood of receiving obesity related counseling? A 2005-2008 NAMCS & NHAMCS Analysis. Poster presented at the 11th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2010). Best Poster Award.
66. Shah AJ, Patel J, Rajan S, Masilamani S, **Abughosh S**. Quality of care among adults and elderly diagnosed with obesity. A 2006-08 analysis. Poster presented at the 11th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2010)
67. Essien EJ, Mgbere O, Ekong E, **Abughosh S**, Monjok E. Correlates of HIV knowledge and sexual behaviors among female military personnel. The 16th International Symposium on HIV and Emerging Infectious Diseases. Marseille, France. (March, 2010)
68. Patel HK, Goyal RK, Sangani D, **Abughosh S**. Predictors of antihistamine prescription in the national ambulatory population with Allergic Rhinitis. Value in Health, 13 (3), A198. Poster presented at the ISPOR15th Annual International Meeting, Atlanta, GA. (May, 2010)
69. Mehta H, Parikh R, Patel J, **Abughosh S**. Predictors of obesity medication use in ambulatory setting: A NAMCS 2006-07 analysis. Value in Health, 13 (3), A205. Poster presented at the ISPOR15th Annual International Meeting, Atlanta, GA. (May, 2010)
70. Patel J, Mehta H, Parikh R, **Abughosh S**. Disparity in the management of obesity in ambulatory setting: A NAMCS 2006-07 Analysis. Value in Health, 13 (3), A215. Poster presented at the ISPOR15th Annual International Meeting, Atlanta, GA. (May, 2010)
71. Patel AR, Bhattacharjee S, Tseng WU, Yang M, **Abughosh S**. Predictors of Statin use among diabetic overweight and obese U.S. adults: A NAMCS analysis. Value in Health, 13 (3), A56. Poster presented at the ISPOR15th Annual International Meeting, Atlanta, GA. (May, 2010)
72. Goyal RK, Sangani DN, Patel HK, **Abughosh SM**. Predictors of intranasal steroid prescription in the National Ambulatory population with allergic rhinitis. Presented at the 44th ASHP Mid-year clinical meeting & exhibition, Las Vegas, NV. (December, 2009)
73. Parikh R, Patel J, I Mehta H, **Abughosh SM**. Disparity among physician groups for a prescription of obesity management: NAMCS 2006-07 analysis. Poster presented at the 10th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2009).
74. Chatterjee S, Rao S, Palli, Seo J, **Abughosh SM**. Predictors of antipsychotic prescribing in US children and adolescents in outpatient setting: A NAMCS 2006 analysis. Poster presented at the 10th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2009).

75. Patel J, Mehta H, Parikh R, **Abughosh SM**. Predictors in anti-obesity medication use in ambulatory setting for adults diagnosed with obesity: NAMCS 2006-07 analysis. Poster presented at the 10th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2009). Best Poster Award.
76. Bhattacharjee S, Patel A, Yang M, Tseng W, **Abughosh SM**. Predictors of statin use among overweight and obese adults in ambulatory care setting in the United States. Poster presented at the 10th Annual Health Services & Outcomes Research Conference, Houston, TX. (December, 2009)

Invited Presentations

1. Bivariate Analysis and Comparing groups. Continuing Pharmacy Education. March 2016. Methodist Hospital, Houston Texas
2. Staffing of MTM Initiatives, Use of Pharmacy Students: A Motivational Interviewing intervention to Improve Medication Adherence. AHRQ innovation Exchange. February 2016. Telecommunicated from Houston, Texas.
3. Waterpipe smoking among University of Houston Students: Predictors of an Intention to quit. The Regional Conference on tobacco Dependence Treatment. Global Experience and Regional perspective). June 2011. Le Meridien, Amman Jordan.
4. Overview of Pharmacoepidemiology: Brown University's Internal Medicine Residency Program at Memorial Hospital of RI. May 2001. Brown University, Memorial Hospital of RI.
5. Overview of Pharmacoeconomics: Brown University's Internal Medicine Residency Program at Memorial Hospital of RI. June 2001. Brown University, Memorial Hospital of RI.

Research Support

Ongoing Research Support

1. Principal Investigators: **Susan Abughosh**, Marc Fleming
Co-investigator: Michael Johnson, James Essien
Title: Improving adherence to statins with targeted motivational interviewing interventions based on group based trajectory models among patients enrolled in a Medicare advantage plan
Funding Agency: Regeneron
Amount Requested: **\$184,585.57**
Grant Period: 05/01/2016-04/31/2018

2. Principal Investigators: Marc Fleming, **Susan Abughosh**
Co-investigator: Michael Johnson
Title: Physician educational webinars to improve statin prescribing and guideline adherence among patients in a Medicare advantage plan
Funding Agency: Sanofi
Amount Requested: **\$98,314.86**
Grant Period: 05/01/2016-05/30/2017
3. Principal Investigators: Mathew Wanat, **Susan Abughosh**
Co-investigator: Hua Chen, Marc Fleming, Michael Johnson
Title: Risk of Thrombosis and Bleeding in Patients on Warfarin or Apixaban (Eliquis) and Concomitant Anti-arrhythmic Medications
Funding Agency: BMS/ Pfizer
Amount Requested: **\$284,000**
Grant Period: 05/01/2016-12/31/2017
4. Principal Investigator: **Susan Abughosh**
Title: A Motivational Interviewing Pharmacy Student Intervention to Improve Medication Adherence
Funding Agency: PHARMA Foundation
Amount Requested: **\$49,998**
Grant Period: 06/01/2015-09/30/2016
5. Principal Investigator: Marc Fleming
Co-investigators: **Susan Abughosh**, Larry Driver, Kathleen Reeve, Sujit Sansgiry, Todd Pickard, Knox Todd, Matthew Wanat
Title: Texas Prescribers' Attitudes and Predicted Pain Management Based on Rescheduling Hydrocodone Combination Products
Funding Agency: Mallinckrodt Pharmaceuticals
Amount Requested: **\$94,179**
Grant Period: 11/01/2014-05/30/2016

Completed Research Support

1. Principal Investigator: Sujit Sansgiry
Co-investigators: **Susan Abughosh**, Marc Fleming
Title: Impact of Medicare Advantage Prescription Drug Coverage GAP among COPD Patients: Analysis of Risk of Hospitalization
Funding Agency: GlaxoSmithKline
Amount: **\$99,488**
Grant Period: 11/01/2014-12/31/2015
2. Principal Investigator: **Susan Abughosh**
Title: Predictors of Waterpipe Smoking among University of Houston Students
Funding Agency: University of Houston New Faculty Research Award
Amount: **\$5,860**
Grant Period: 02/01/2011-08/03/2011

Research Proposals Pending

1. Principal Investigator: Susan Abughosh
Co-investigators: James Essien, Marc Fleming, Santhi Masilamani
Title: A motivational interviewing intervention customized by patient adherence patterns
Funding Agency: National Heart, Lung, and Blood Institute (NHLBI)
Amount Requested: **\$438,247**
Grant Period: 09/01/2016-08/31/2019
2. Principal Investigator: Susan Abughosh
Co-investigators: Lynn Simpson, Santhi Masilamani
Title: A pharmacy student motivational interviewing telephone intervention to improve adherence among CVS pharmacy patients
Funding Agency: CVS Corporate Giving
Amount Requested: **\$250,000**
Grant Period: 09/01/2016-12/30/2021
3. Principal Investigator: Ekere James Essien
Co-Investigators: Susan Abughosh, Osaro Mgbere
Title: Talk and Txt 4 Health: Motivating HIV infected Women for Adherence. (Resubmission)
Funding Agency: National Institute of Mental Health.
Amount requested: **\$384,459.**
Grant Period: 12/01/15–11/30/2020

Unfunded Research Proposals

1. Principal Investigator: Susan abughosh
Co-investigators: Hua Chen, Marc Fleming, Michael Johnson
Title: Evaluating Diabetes Inertia and Achieving HbA1C Targets among Diabetes Patients Enrolled in a Medicare Advantage Plan.
Funding Agency: Astra Zeneca
Amount Requested: \$100,000
Grant Period: 01/01/2016-10/31/2016
2. Principal Investigator: Susan Abughosh
Co-investigators: Rajender Aparasu, Marc Fleming, Santhi Masilamani
Title: Pharmacy Students Using Motivational Interviewing to Improve Medication Adherence (Resubmission)
Funding Agency: National Heart, Lung, and Blood Institute (NHLBI)
Amount Requested: \$451,492
Grant Period: 04/01/2015-03/31/2018
Impact score 46

3. Principal Investigator: Ekere James Essien
Co-Investigators: Susan Abughosh and Osaro Mgbere
Title: Talk and Txt 4 Health: Motivating HIV infected Women for Adherence.
Funding Agency: National Institute of Mental Health.
Amount requested: \$384,459.
Grant Period: 09/01/2015–08/30/2020
Impact score 54 (first submission)
4. Principal Investigator: Susan Abughosh
Co-investigators: Rajender Aparasu, Marc Fleming, Santhi Masilamani
Title: Pharmacy Students Using Motivational Interviewing to Improve Medication Adherence
Funding Agency: National Heart, Lung, and Blood Institute (NHLBI)
Amount Requested: \$450,073
Grant Period: 04/01/2015-03/31/2018
Impact score 38 (first submission)
5. Principal Investigator: Susan Abughosh
Co-investigator: E James Essien, Sujit Sangiry
Title: Online Intervention with Graphic Images against Waterpipe Smoking among Students
Funding Agency: National Institute of Drug Abuse (NIDA)
Amount Requested: \$112,875
Grant Period: 04/01/2015-03/31/2016
Impact score 47 (first submission)
6. Principal Investigator: Susan Abughosh
Title: Pharmacy Students Using Motivational Interviewing to Improve Medication Adherence
Funding Agency: American Association of Colleges of Pharmacy (AACP)
Amount Requested: \$9,988
Grant Period: 01/2015-01/2016
7. Principal Investigator: PI: Ioannis Kakadiaris
Co-investigators: Susan Abughosh, Catherine Horn, Daniel 'Connor, Ioanna Semendeferi, Shishir Shah
Title: NRT-DESE: Learner-Centered Integrative Traineeship on Health & Wellness Analytics
Funding Agency: NSF
Amount Requested: \$3,000,000
Grant Period: 09/01/2015-08/31/2019
8. Principal Investigator: Ekere James Essien
Co-Investigators: Susan Abughosh and Osaro Mgbere
Title: Motivating HIV Infected Nigerian Women for ART and Safer Sex.
Funding Agency: National Institute of Mental Health
Amount requested: \$3,097,756.00
Grant Period: 09/01/2015–08/30/2020
Impact score 45

9. Principal Investigator: Susan Abughosh
Title: A Pharmacy Student Intervention to Improve Adherence among CHF Patients in a Medicare Advantage Plan
Funding Agency: PHARMA Foundation
Amount Requested: \$94,716
Grant Period: 06/01/2014-05/31/2015
10. Principal Investigator: Susan Abughosh
Co-investigator: E. James Essien
Title: Examining Potential Warning Labels for Waterpipe Use among University Students
Funding Agency: National Institute of Drug Abuse (NIDA)
Amount Requested: \$150,500
Grant Period: 04/01/2014-03/31/2016
11. Principal Investigator: Hua Chen
Co-investigators: Susan Abughosh, Rajender Aparasu, Jeffery Sherer
Title: Impact of Psychopharmacotherapy on Substance Abuse in Youth with Mental Disorders
Funding Agency: AHRQ
Amount Requested: \$890,000
Grant Period: 04/01/2014-03/31/2015
12. Principal Investigator: Susan Abughosh
Co-investigator: E. James Essien
Title: Online Educational Intervention for Waterpipe Smoking among University Students
Funding Agency: American Thoracic Society (ATS)
Amount Requested: \$40,000
Grant Period: 01/01/2014-12/31/2014
13. Principal Investigator: Susan Abughosh
Title: Online Educational Intervention to Prevent Waterpipe Use among University Students
Funding Agency: American Association of Colleges of Pharmacy (ACCP)
Amount Requested: \$10,000
Grant Period: 01/01/2014-12/31/2014
14. Principal Investigator: Susan Abughosh
Title: Waterpipe Smoking among Middle Eastern Americans
Funding Agency: American Association of Colleges of Pharmacy (ACCP)
Amount Requested: \$10,000
Grant Period: 02/2012-02/2013
15. Principal investigator: Susan Abughosh
Title: Relative Risk of Weight Gain and Diabetes among Obese Smokers Using Bupropion or Varenicline
Funding Agency: PHARMA Foundation
Amount Requested: \$60,000
Grant Period: 07/01/2012-07/01/2013

16. Principal investigator: Susan Abughosh
Co-investigator: E. James Essien
Title: Online Educational Intervention for Waterpipe Smoking among University Students
Funding Agency: National Institute of Drug Abuse (NIDA)
Amount Requested: \$112,125
Grant Period: 07/01/2012-06/30/2013
Impact score 35 (first submission)
17. Principal Investigator: Susan Abughosh
Co-investigator: E James Essien
Title: Online Educational Intervention for Waterpipe Smoking University Students (resubmission)
Funding Agency: National Institute of Drug Abuse (NIDA)
Amount Requested: \$112,500
Grant Period: 04/01/2013-03/31/2014
Impact score 43
18. Principal Investigator: Susan Abughosh
Co-investigators: Hua Chen, Michael Johnson
Title: Comparative Effectiveness of Bupropion and Varenicline among Obese Smokers
Funding Agency: Agency for Healthcare Research and Quality (AHRQ)
Amount Requested: \$100,000
Grant Period: 07/01/2013-06/30/2015
19. Principal investigator: E James Essien
Co-investigator: Susan Abughosh
Title: Nursing Intervention for HIV Regimen Adherence among Drug Populations
Funding Agency: National Institute of Mental Health
Amount Requested: \$3,281,069
Grant Period: 01/01/2014-12/31/2018
20. Principal investigator: Susan Abughosh
Title: Online Educational Intervention for Waterpipe Smoking University Students
Funding Agency: University of Houston, Gear Award
Amount Requested: \$30,000
Grant Period: 06/01/2013-05/31/2014
21. Principal investigator: Susan Abughosh
Co-investigator: E James Essien
Title: Impact of Graphic Health Warnings for Waterpipe Use among University Students
Funding Agency: National institute of Drug Abuse (NIDA)
Amount Requested: \$112,875
Grant Period: 09/01/2013-08/31/2014

22. Principal Investigator: Susan Abughosh
Co-investigator: E. James Essien
Title: Waterpipe and Cigarette Smoking among Middle Eastern Americans
Funding Agency: National Institute of Drug Abuse (NIDA)
Amount Requested: \$337,500
Grant Period: 09/01/2011-08/31/2013

Graduate Student Mentorship

Ph.D. Student Dissertation Advisory Committee Chair & Major Advisor

1. Defense May/2014 I-Hsuan Wu (PhD of Pharm Adm)
Dissertation: Comparative Effectiveness of Smoking Cessation Medications among Schizophrenic Smokers
2. Defense June/2013 Mo Yang (PhD of Pharm Adm)
Dissertation: Comparative Effectiveness of Smoking Cessation Medications among Obese Smokers

M.S. Student Theses Advisory Committee Chair & Major Advisor

1. Defense April, 2016 Roya Tran (Masters and residency certification in Pharmacy Leadership and Administration)
Project: Pharmacy Student Motivational Interviewing Intervention in hospitalized Patients: A Pilot Study.
2. Defense April/2014 Liqa Athamneh (Masters of Pharm Adm)
Thesis: Predictors of Intention to Quit Waterpipe Smoking among Arab Americans: Application of the Theory of Planned Behavior
3. Defense July/2013 Xin Wang (Masters of Pharm Adm)
Thesis: Predictors of a Successful Outcome among Adult Smokers Using Smoking Cessation Medications
4. Defense July/2011 Yuping Yu (Masters of Pharm Adm)
Thesis: Obesity and Prescribing of Smoking Cessation Medications

M.S. Student Theses Advisory Committee Member

1. Defense Aug//2011 Mo Yang (Masters of Pharm Adm)
Thesis: Correlates of Tobacco Use among Chinese Adults
2. Defense July/2011 Prajakta Bhounsule (Masters of Pharm Adm)
Thesis: Predictors of Smoking and Willingness to Quit Smoking in India
3. Defense July/2011 Shivani Mhatre (Masters of Pharm Adm)
Thesis: Perspective of Adults towards Medication Belief and Polypharmacy

4. Defense July/2011 Pooja Chopra (Masters of Pharm Adm)
Thesis: Impact of Comorbid Anxiety and Depression on Adults with Chronic Obstructive Pulmonary Disease
5. Defense July/2011 I-Hsuan Wu (Masters of Pharm Adm)
Thesis: Correlates of Tobacco Use among Taiwanese Adults.
6. Defense Nov/2011 Ran Liu (Masters of Arts) College Women
7. Defense May /2012 Ali-Reza Shah Mohammadi (Masters and residency certification in Pharmacy Leadership and Administration)
Project: Analysis of the Perceived Barriers Encountered by Management within Pharmacy Workflow Due to Intermittent Family and Medical Leave Act (FMLA) Leave at a Governmental Teaching Hospital
8. Defense July/2012 Sweta Kakad (Masters of Pharm Adm)
Thesis: The Association of Guideline-Recommended Medication and Quality of Life in Patients with Heart Failure
9. Defense Oct/2012 Pravin Kamble (PhD in Pharm Adm)
Dissertation: Concurrent Stimulant and Atypical Antipsychotic Use in Children and Adolescents with ADHD
10. Defense Oct/2012 Nilanjana Dwibedi (PhD in Pharm Adm)
Dissertation: Parents' Expectation to Receive Antibiotic Prescription for Children
11. Defense April/2013 Gift Nweke (Masters and residency certification in of Pharm Adm)
Project: Evaluation of Pharmacists' Perspectives towards Peer Review and Identification of Opportunities for Improvement
12. Defense July/2013 Smruti Jadav (Masters of Pharm Adm)
Thesis: Trends and Racial Disparities in Breast Cancer Screening
13. Defense May /2015 Sarah Jung (Masters and residency certification in Pharmacy leadership and Administration)
Project: Risk Factors for the Development of Gastrointestinal Bleeds in Ulcers after Formulary Change in the Neuroscience Intensive Care Unit
14. Defense May 2015 Jeetvan Patel (PhD in Pharmaceutical health outcomes and Policy)
Dissertation: Medication Use Behavior and Outcomes among Chronic Obstructive Pulmonary Disease Patients

Graduate Student Major Advisor

Current PhD Student: Xin Wang
Aisha Vadhariya (Co-advisor)

Graduate Student Committee Member

Current PhD Students: Yasser Almogbel
Ya-Huei Li

Pharm D Student Mentorship

1. 2014/2015 Amanda Woods
Project: Evaluating Pharmacist-written Recommendations to Providers in a Medicare Advantage Plan: Factors Associated with Provider Acceptance
2. 2015/2015 Annie Bui
Project: Feasibility of Motivational Interviewing (MI) training for pharmacy students on Advanced Pharmacy Practice Experience (APPE) rotations in a Medicare Advantage with Prescription Drug Plan (MAPDP) setting
3. 2015/2016 Bianca Romero
Project: Examination of Physician Preference Regarding Mode of E-Newsletter Communication: A Sub-Analysis of a Physician Survey within a Medicare Advantage Plan regarding PCP E-Newsletters
4. 2015/2016 NGHI Bui
Project: Carisoprodol Prescribing among Elderly Patients Enrolled in a Medicare Advantage Plan: A cross sectional study
5. 2015/2016 Minh Hong
Project: Descriptive Analysis of Patients Approved for Anti-Diabetic Patient Assistance Programs

Resident Mentorship (Cigna Health-Spring Residents)

1. 2015/2016 Amanda Mann
Project: Impact of Mailed Letters on Medication Adherence in a Medicare Advantage Plan
2. 2015/2016 Bhakti Jadav
Project: Primary Care Physician Perception of an E- Newsletter within a Medicare Advantage Plan

Course Development and /or Revision

Pharmacy Administration Teaching Practicum (PHCA 7310)

3 credit hours, Fall 2009-2012

The teaching practicum course is intended to provide students with the basic tools and skills necessary for university-level instruction under the guidance of a professor. This practicum provides graduate students with the hands on opportunity to apply and reflect upon the principles addressed in the course. It also provides mechanism to improve the skills based on the direct feedback from the students as well as the professor.

Logistic and Survival Analysis (PHCA 6398)

3 credit hours, Summer 2009

This course serves as a follow-up to an introductory course in biostatistics and epidemiology. The course focuses on 2 forms of multivariate statistical techniques commonly used in health-related research to control for potential confounders, logistic regression and survival analysis. Examples of research questions that utilize these analyses, the key formulae, modeling strategies, and maximum likelihood techniques are discussed. Students are responsible for computer exercises which require the use of SAS, 3 oral presentations, and a final paper as a group project. The course is designed to give students hands on experience with the analysis of large databases.

US Health Care Systems (PHPS 3200)

2 credit hours, Spring 2009-2010

This course examines the contemporary healthcare delivery system in the US. Major legislation that has shaped the structure and financing of healthcare are reviewed. Students become familiar with various health care delivery, financing, and policy concepts.

Biostatistics and Experimental Design (PHPS 4300)

3 credit hours, Fall 2009-2010

This course is designed to introduce the concepts, methods, and statistical analysis and design for biostatistical research studies. Biostatistics encompasses a wide array of biological, sociological, psychological, epidemiological and medical research fields. Students are introduced to standard and traditional introductory statistics concepts and methods, including descriptive statistics, probability, probability distributions, estimation and hypothesis testing, analysis of variance.

Pharmaceutical Outcomes Management (PHPS 4302)

2 credits hours, Fall 2010

This course is an introduction to the principles and tools of pharmacoeconomics and outcomes research that are commonly used in the evaluation of pharmaceutical products, drug delivery systems, and health-care organization structure. The course compares and contrasts the principles and applications of cost minimization analysis, benefit-cost analysis, cost-effectiveness analysis, and cost-utility analysis as well as the basics of decision analysis.

Biostatistics and Experimental Design (PHCA 6308)

3 credit hours, Fall 2011-present

This course is designed to introduce the concepts, methods, and statistical analysis software for the design and analysis of biostatistical research studies. Biostatistics encompasses a wide array of biological, sociological, psychological, epidemiological and medical research fields. Students are introduced to standard and traditional introductory statistical concepts and methods, including descriptive statistics, probability, probability distributions, estimation and hypothesis testing, analysis of variance, non-parametric statistics, correlation and linear regression. Students are also be introduced to basic epidemiology, logistic regression and survival analysis techniques for time to event data. Introduction of these latter topics will facilitate further study of these methods in advanced courses. Because of the applied nature of pharmacy research sciences, the students are also introduced to study designs, and become skilled at data analysis using SPSS throughout the course.

Pharmacy Management 1 (PHAR 4260)

2 credit hours, Spring 2012- 2013

This course examines the contemporary healthcare delivery system in the US and the pharmacist role within that system. Major legislation that has shaped the structure and financing of healthcare and opportunities for pharmacist will be reviewed. Students become familiar with various concepts, systems, and processes that are continually evolving as we move closer toward clinically integrated health care. Opportunities for pharmacist in the diverse field of pharmacy such as retail chain/independent pharmacy, institutional hospital/long-term care/ambulatory pharmacy, and manage care/pharmaceutical industry. The course also exposes students to public health concepts and techniques

Seminar in Pharmacy Administration (PHCA 6181 – PHCA 7181 – PHCA 8181)

1 credit hour, Spring 2014-2016

The graduate seminar course is designed to provide opportunities for graduate students to discuss current issues and critically evaluate research in Pharmaceutical health outcomes and policy. This requires students to apply their scientific knowledge and effectively communicate scientific information to diverse audiences. As part of this course, students play an active role in learning, implementing critical thinking and sound organizational skills to communicate scientific research. The methods of public speaking and learning to give coherent presentations are also vital. There is particular emphasis on constructive research evaluation and responding to critiques. As part of this class, the graduate students are required to actively participate in ongoing class discussions.

Each year, seminar is structured around a specific theme. Themes included medication adherence, various career options in the health outcomes and policy field, and pharmacoconomics.

Course Instruction

Graduate course

1. Biostatistics and Experimental Design (PHCA 6308)
Required: 3 credits (University of Houston College of Pharmacy)
Course Coordinator
Offered: Spring 2011 (100% effort); Spring 2012 (100% effort); Spring 2013 (100% effort); Spring 2014 (100% effort); Spring 2015 (100% effort)
Enrollment: 14-35 graduate students
2. Seminar in Pharmacy Administration (PHCA 6181; PHCA 7181; PHCA 8181)
Required: 1 credit (University of Houston College of Pharmacy)
Course Coordinator
Offered: Spring 2014 (100% effort); Spring 2015 (100% effort); Spring 2016 (100% effort)
Enrollment: 25-40 graduate students
3. Research Methods in Pharm Admin (PHCA 6307)
Required: 3 credits (University of Houston College of Pharmacy)
Offered: Spring 2011 (30% effort); Spring 2012 (25% effort); Spring 2013 (25% effort); Spring 2014 (25% effort); 2015 (25% effort); 2016 (25% effort)
Enrollment: 11-15 graduate students

4. Principles & Practice of Community Health (PHCA 6309)
Elective: 3 credits (University of Houston College of Pharmacy)
Offered: Spring 2010 (50% effort)
Enrollment: 2 Masters students
5. Seminar in Pharmacy Administration (PHCA 6180 27580):
Required: 1 credit (University of Houston College of Pharmacy)
Course Co-coordinator
Offered: Fall 2010 (50% effort)
Enrollment: 19 Masters students
6. Financial Aspects of Healthcare Mgt (PHCA 6311)
Elective: 2 credits (University of Houston College of Pharmacy)
Offered: Fall 2009 (10% effort)
Enrollment: 10 Masters students

Professional Pharmacy Course

1. Pharmacy Management I (PHAR4260)
Required: 2 credits (University of Houston College of Pharmacy)
Course Coordinator: 2012, 2013
Offered: Spring 2011 (10% effort); 2012 (40% effort); 2013 (40% effort); 2014 (10% effort); 2015 (10% effort); 2016(10% effort)
Enrollment: 114-116 Doctor of Pharmacy students
2. Pharm Practice II (PHAR4271)
Required: 2 credits (University of Houston College of Pharmacy)
Offered: Spring, 2011 (10% effort); 2012 (10% effort); 2013 (10% effort)
Enrollment: 114 -116 Doctor of Pharmacy students

Undergraduate Course

1. Biostatistics (PHPS 4300)
Required: 3 credits (University of Houston College of Pharmacy)
Course Coordinator
Offered: Fall 2010 (100% effort)
Enrollment: 29 undergraduate students
2. Pharmaceutical Outcomes Management (PHPS 4302)
Elective: 3 credits (University of Houston College of Pharmacy).
Course coordinator
Offered: Spring 2010 (100% effort)
Enrollment: 6 undergraduate students
3. U.S. Health Care (PHPS 3200)
Required: 2 credits (University of Houston College of Pharmacy).
Course Coordinator
Offered: Spring 2010 (100% effort)
Enrollment: 39 undergraduate students

4. Pharmaceutical Services and Community Health (PHPS 3201)
 Elective: 2 credits (University of Houston College of Pharmacy).
 Offered: Spring 2010 (50% effort)
 Enrollment: 15 undergraduate students

Training and Development

1. Advanced Course in Pharmacoeconomic Modeling. University of Arizona, College of Pharmacy. Tucson, Arizona. January 2014
2. Motivational Interviewing: Exploring and Resolving Ambivalence to Promote Behavioral Change. University of Houston, College of Pharmacy. Houston, Texas. October, 2014
3. Budget Impact Analysis: A 6 Step Approach. ISPOR short course, Philadelphia. PA 2015
4. Advances Case-based Motivational Interviewing. University of Houston, College of Pharmacy. Houston, Texas. July, 2016

Service to the Department, College, and University

University Committees

2015 Graduate Research and Scholarship Projects (GRaSP) Day, Poster Sub-Committee.

College Committees

2012-present	Information Technology Committee
2014	Prerequisite/Oversight Committee
2014	Faculty Award Voting Committee, Ad Hoc Representative
2014-present	Curriculum Committee
2015	Curriculum committee for accreditation
2015	Pharm.D./MBA program committee

Department Committees

2010	Graduate Curriculum and Research Committee, Department of Clinical Science and Administration, UH College of Pharmacy
2010	PhD Comprehensive Examination Committee, Department of Clinical Science and Administration, UH College of Pharmacy
2011	New Faculty Search Committee, Department of Clinical Science and Administration, UH College of Pharmacy
2014-2015	PharmD Curriculum Workgroup Committee, Department of Pharmaceutical Health Outcomes and Policy, UH College of Pharmacy

Other Service

Interviewer for 2014/2015 MS Residency Program Admissions
 Interviewer for 2015-2016 Pharm D Program Admissions

Interviewer for 2016/2017 Pharm D Program Admissions
Interviewer for 2016/2017 Cigna Health-Spring Residency Admission
Interviewer for 2016/2017 Pharmaceutical Health Outcomes and policy PhD Admissions

Service to the Profession/Academic Discipline

Service to Professional Associations

Abstract Review Committee for the ISPOR 16th Annual International meeting. May 21-25, 2011, Baltimore, MD
Abstract Review Committee for the ISPOR 14th Annual European Congress. November 5-8, 2011, Madrid, Spain
Abstract Review Committee for the ISPOR 18th Annual European Congress. November 7-11, 2015, Milan, Italy

Editorial Board Member

2011-present	Journal of Clinical Trials: Current Research
2011-present	Journal of Epidemiology and Public Health Reviews
2011-present	Epidemiology Current Research
2014-present	Austin Journal of Public Health and Epidemiology
2015-present	Journal of Respiratory Research

Journal Reviewer

2015-present	Current Medical Research and Opinion
2013-present	Substance Abuse and Rehabilitation
2015-present	International Journal of Environmental Research and Public Health
2013-present	International Journal of Public health
2012-present	Tobacco Control,
2012-present	Drug and Alcohol Dependence Journal
2012-present	Journal of Pharmaceutical Health Services Research
2011-present	Clinical Therapeutics
2011-present	Journal of General Internal Medicine (JGIM)
2011-present	European Psychiatry
2011	International Journal for Quality in Health Care
2010-present	Nicotine and Tobacco Research
2006-present	American Journal of Health-System Pharmacy
2005-present	American Journal of Managed Care
2014-present	Journal of Behavioral Health
2015-present	Journal of the American Pharmacists Association
2005-present	Journal of Managed Care and Specialty Pharmacy

Memberships

International Society for Pharmacoeconomics and Outcome Research (ISPOR)
American Association of Colleges of Pharmacy (AACP)
Rho Chi Pharmaceutical Honor Society for Excellence in Academics

American Thoracic Society (ATS)
Global Bridges, Healthcare Alliance for Tobacco Dependence Treatment
Public Health in the Arab World
Jordanian Pharmaceutical Association

Service to Community or Public

2016-present **Pharmacy Subcommittee**
San José Clinic, Houston, TX

Service to State or National Organizations

November, 2014 **Grant Panel Reviewer**
Accepted for the Early Career Reviewer (ECR) Program
Center for Scientific Review (CSR), NIH.