

WILLIAM OPOKU-AGYEMAN,

University of Alabama at Birmingham
Department of Health Services Administration
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EDUCATION:

- Doctor of Philosophy** –August 2017 University of Alabama at Birmingham
Health Services Administration
Concentration: Strategic Management
- Master of Public Health** – August 2012 Kent State University, Ohio
Environmental/Epidemiology Health
- Master of Science** – August 2010 University of Akron, Ohio
Geography and Geographic Information Science
- Bachelor of Science** – June, 2007 KNUST, Kumasi-Ghana
Natural Resource Management

PROFESSIONAL EXPERIENCE:

**Department of Health Services Administration, School of Health Professions,
University of Alabama at Birmingham, Birmingham, AL**

- *Assistant Professor* 2017- Present
- *Adjunct Professor* 2017

**Minority Health and Health Disparities Research Center,
University of Alabama at Birmingham (UAB)**

- *Scholar,*
Deep South Resource Center for Minority Aging and Research (RCMAR) 2017- Present
- *Scholar,* Health Disparities Research Training Program (HDRTP) 2017-2018

Department of Health Services Administration, UAB, Birmingham, AL.

Research Assistant, 2012-2017

- Disparities in Avoidable Hospitalizations of Aging Adults-Health System Factors
- How hospital population health management strategic activities and programs have evolved.
- Research work into DRG charges and Payment variation across the USA using GIS
- Data cleaning, merging and analysis of various national health services databases (American Hospital Association Annual Survey and IT data, Area Health Resource File data, Medicare Cost Report, State Inpatient data)

Teaching Assistant,

- Instructor (HCM 360 – Statistics for Managers) Fall 2014, Spring 2015 and Summer 2015

- Teaching both Masters and Executive Doctoral Student Quantitative methods using SAS and STATA

City of Kent Health Department, Kent, OH.

- *Program Developer/ Evaluator, Mosquito Control Program* 2012

College of Public Health, Kent State University, Kent, OH.

- *Teaching and Research Assistant* 2010 - 2012

Department of Geography and Planning, The University of Akron.

- *Teaching and Research Assistant* 2008 -2010

Cuyahoga Valley National Park, Brecksville, OH.

- *Intern- GIS Analyst* 2009- 2010

Department of Wood Science and Technology

Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.

- *Teaching Assistant* 2007- 2008

RESEARCH INTERESTS

Hospital population health management (health promotion activities and community needs assessment), minority health research (health disparities), health information technology (health information strategy and workforce), built environment (GIS), and hospital purchasing.

PUBLISHED ARTICLES ± Indicate Student or Trainee

1. Hearld, L.R., **Opoku-Agyeman, W.**, Kim, Dae Hyun, Landry A. Y., (2019). Chief Executive Officer (CEO) Turnover among U.S. Acute Care Hospitals, 2006-2015: Variations by Type of Geographic Area. *Journal of Healthcare Management*. Manuscript Number - JHM-D-18-00019R1.
2. Singleton C.R., **Opoku-Agyeman W.**, Affuso E, Baskin ML, Levitan EB, Sen B, Affuso O., (2018). WIC Cash Value Voucher Redemption Behavior in Jefferson County, Alabama, and Its Association with Fruit and Vegetable Consumption. *American Journal of Health Promotion*. Feb; 32(2):325-333. doi: 10.1177/0890117117730807. PubMed PMID: 28950724.
3. Hearld LR, Hearld KR, **Opoku-Agyeman W.**, (2017). Trends in US Hospital Provision of Health Promotion Services, 1996-2014. *Population Health Management*. Nov 14. doi: 10.1089/pop.2017.0099. PubMed PMID: 29135367.
4. Upadhyay S., **Opoku-Agyeman W.**, Borkowski N., (2017).An environmental analysis of the evolution of readmission reduction strategies: A study of United States hospitals. *Journal of Hospital Administration*. October 12; 6(5):40.
5. Upadhyay S., **Opoku-Agyeman W.**, McCaughey D, Burke DE. (2017).The Association between Organizational Characteristics and Strategic Information Systems Planning: A Study of U.S. Hospitals. *European Journal of Science*.

6. Hearld, L., Carroll, N., Hearld, K., **Opoku-Agyeman, W.**, (2017). Correlates of interorganizational relationship strategies among critical access hospitals. *Health Care Management Review*, 43(3). PubMed PMID: 27984406.
7. **Opoku-Agyeman, W.**, & Menachemi, N. (2016). Are there differences in Health Information Exchange Participation by Health System Type? *Health Care Management Review*, Oct-Dec; 41(4) 325-33. doi: 10.1097/HMR.0000000000000081. PubMed PMID: 26317301. [<http://www.ncbi.nlm.nih.gov/pubmed/26317301>]

MANUSCRIPTS UNDER REVIEW ± Indicate Student or Trainee

1. **Opoku-Agyeman, W.**, Weech-Maldonado, R., Upadhyay, S., Opoku-Agyeman, C., “Hospital Group Purchasing Alliance and Financial Performance.” Submitted in 2019 to *Health Care Management Review*.
2. **Opoku-Agyeman, W.**, Weech-Maldonado, R., Upadhyay, S., Opoku-Agyeman, C. “Environmental and Organizational Factors Associated with Hospital use of GPO Services.” Submitted in 2019 to *Hospital Topics*.

MANUSCRIPTS IN PREPARATION ± Indicate Student or Trainee

1. **Opoku-Agyeman, W.**, Weech-Maldonado, R., Upadhyay, S., Opoku-Agyeman, C. “A Systematic Review of Hospital Group Purchasing Organizations and Strategic Alliance Performance Literature in Healthcare.” (In preparation)
2. **Opoku-Agyeman, W.**, Hogan T.H., Hefner, J.. “Defining Safety Net Hospitals.” (In preparation)
3. Bowen, P. and **Opoku-Agyeman W.**, McCaskill, G., Sen, B.P., Pisu, M. & Martin, M. “Promoting Physical Activity through System-Level Health Policy at a Safety Net Clinic” (In preparation)
4. Hearld, K.R., Hearld, L.R., **Opoku-Agyeman, W.**, “Changes in Community Orientation and Health Promotion: Racial and Ethnic Differences in Potentially Avoidable ACSH Rates.” (In preparation)
5. Hearld, L.R., Hearld, K.R., **Opoku-Agyeman, W.**, “Changes in Community Orientation among Different Hospital Profiles.” (In preparation)
6. Upadhyay, S., **Opoku-Agyeman, W.**, Weech-Maldonado, R. “Cultural Competency and Financial Performance of Hospitals.” (In preparation)
7. Hearld, L.R., **Opoku-Agyeman, W.** (2018). “Distance and adoption of PCMH by hospitals.” (In preparation)
8. **Opoku-Agyeman W.**, Burke, D.E., Dorsey, A., Houser, S., Kim D.Y. “Chief Information Officer (CIO) Change and gender difference in U.S. hospitals.” (In preparation)

9. **Opoku-Agyeman W.**, Dorsey, A., Houser, S., Kim D.Y. ± (2018) “Hospital Data breach and Chief Information Officer (CIO).” (In preparation)
10. Bowen, P. and **Opoku-Agyeman W.**, “Physical Activity among Patients in a Safety Net Clinic” (In preparation)
11. Bowen, P., and **Opoku-Agyeman W.**, “Physical Activity Promotion: Does the Provider matter?” (In preparation)
12. Jennings, C. J., Creel, M. L., **Opoku-Agyeman W.** “Hospitals’ Health Promotion Services Before and After the ACA” (In preparation).
13. Puro, N. ±, **Opoku-Agyeman W.**, Davlyatov, G. “How much time does it take for a hospital to exit a market after facing financial distress?” (In preparation).
14. Puro, N. ±, **Opoku-Agyeman W.**, Davlyatov, G. “Financial distress and quality of care” (In preparation).

PROFESSIONAL PRESENTATIONS, PROCEEDINGS, ABSTRACTS, AND POSTERS

- Hernandez, S.R., Cullen, S., Landry A. Y., **Opoku-Agyeman, W.** (2019) Interorganizational Relationships and Hospital Adoption of Surgical Robots. *Paper presented at Academy of Management Annual Meeting*, Boston, MA August 2019.
- Opoku-Agyeman, W.**, Upadhyay, S. (2019). The Association between Hospital Cultural Competency and Financial Performance. *Paper presented at European Academy of Management Annual Meeting*, Lisbon, Portugal, June 2019.
- Dorsey, A., Erwin, C., **Opoku-Agyeman, W.** (2019) Beyond Statistics: Can Your Students Navigate Today’s Data-Driven Healthcare World? *Forum presentation at The Association of University Programs in Health Administration (AUPHA)*, New Orleans, LA, June 2019.
- Opoku-Agyeman, W.**, Upadhyay, S., Kim, T. (2019). Hospital Cultural Competence: Competitive Advantage and Financial Performance. *Poster presented at the AcademyHealth Annual Meeting*, Washington, DC June 2019
- Upadhyay, S., **Opoku-Agyeman, W.**, Kim, T. (2019). The Association between Adoption Levels of Electronic Health Records (EHR) and Quality and Patient Safety. *Poster presented at the AcademyHealth Annual Meeting*, Washington, DC June 2019
- Bowen, P.G., **Opoku-Agyeman, W.**, Pisu, M., Martin, M. (2019). *Paper presented at 14th Annual UAB Health Disparities Research Symposium, Birmingham AL, 2019.*
- Opoku-Agyeman, W.** (2018) Hospital Group Purchasing Alliance and Financial Performance. *Paper presented at Academy of Management Annual Meeting*, Chicago, IL August 2018. **Best Paper award and nominated for best dissertation paper.**

- Opoku-Agyeman, W.**, (2018) Environmental and Organizational Factors Associated with Hospital use of GPO Services. *Paper presented at Academy of Management Annual Meeting*, Chicago, August 2018.
- Davlyatov, G., **Opoku-Agyeman, W.**, Lord, J. (2017). Impact of Integration on Performance in Community Health Centers. Poster presented at the AcademyHealth Annual Meeting New Orleans June 2017.
- Hearld, L.R., Hearld, K.R., and **Opoku-Agyeman, W.** (2017). "Local-Area Sociodemographic Composition & Trends in Hospital Provision of Health Promotion Services." Poster presented at the AcademyHealth Annual Meeting New Orleans June 2017.
- Davlyatov, G., **Opoku-Agyeman, W.** (2016). Socio-demographic correlates of Patient-Centered Medical Home capability in Community Health Centers. Poster presented at *Southeastern Medical Scientist Symposium (SEMSS)*. Birmingham, AL. November 2016.
- Davlyatov, G., **Opoku-Agyeman, W.**, Upadhyay, S., Qu, H. (2016). Insurance and service cost at Community Health Centers: Where does racial disparity fit? *Paper presented at the American Public Health Conference*. Denver, CO, October 2016.
- Odhiambo, A. L., Zullo M. D., Dolansky, A. M., Josephson R., **Opoku-Agyeman, W.**, Sarfo, A.O., (2016). Analyzing the Distribution of Cardiac Rehabilitation Programs in the U.S. Using Geographical Information Systems (GIS). *American Association of Cardiovascular and Pulmonary Rehabilitation Annual Meeting*, New Orleans, September 2016.
- Upadhyay, S., **Opoku-Agyeman, W.** (2016). The Association between Readmission Rates and Hospital Profitability: A Study of Washington State Hospitals. *AcademyHealth*, Boston, MA, June. 2016.
- Upadhyay, S., **Opoku-Agyeman, W.**, Burke, D. (2015). The Association between organizational Characteristics and Healthcare Information Technology Strategic Planning Initiatives A study of United States hospitals. *AcademyHealth*, Boston, MA, June. 2016.
- Davlyatov, G., **Opoku-Agyeman, W.**, Upadhyay, S. (2016). Racial disparity in health service use at Community Health Centers. *GBSO Graduate Student Research Symposium*. Birmingham, AL. May 13, 2016
- He, M., Zhang, H., **Opoku-Agyeman, W.**, and Crimiel, J. (2015). Hospice Utilization and Quality: The Role of Patient and Agency Characteristics. *AcademyHealth*, Minneapolis, MN, June. 2015
- Opoku-Agyeman, W.**, Jones, A., and Harper, C. (2014). Usability and quality satisfaction with information exchanges. Manuscript accepted for presentation at the 2014 SMA meeting. The session titled '*HC: Using technology and outsourcing in a healthcare organization.*'
- He, M., **Opoku-Agyeman, W.**, and Crimiel, J. (2014). The impact of organizational factors on hospice EMR and telemedicine use. *AcademyHealth*, San Diego, CA

Opoku-Agyeman, W. (2010). The relationship between foreclosure and some neighborhood ecological factors in suburban Stark County, Ohio, Poster presentation at the conference of *American Association of Geographers (AAG)* in Washington D.C in April 2010.

Opoku-Agyeman, W. (2010). Introduction to Ghana, land of Gold, Women in Higher Education Speaker Series, The University of Akron, February 2010.

GRANTS AND FUNDED WORK

1. Disparities in Avoidable Hospitalization of Aging Adults
Funding agency: NIH grant (R15AG049344-01) -Academic Research Enhancement Award (AREA): Healthcare Delivery and Methodologies.
PI: Robert Weech-Maldonado and Larry Hearld
Role: Investigator.
2. Development of Colorectal Cancer Research Data Infrastructure
Funding agency: NIH - National Institutes of Health/DHHS
PI: Bunyamin Ozaydin
Role: Co-Investigator.
Status: Pending
3. BMT Survivor Study-2 (BMTSS-2)
Funding agency: NIH
PI: Smita Bhatia
Role: Co-Investigator.
Status: Pending

SPECIAL SKILLS AND PROFICIENCIES

- Strong analytical and problem-solving skills in **SAS, STATA, SQL, Python, Tableau** and **SPSS** environments
- Proficient in *ArcGIS software packages*(including ArcMap, ArcCatalog, Spatial Analyst, 3D, and Network Analyst extensions, *Erdas Imagine, PCI Geomatica, Definiens Developer, Terra Sync, Trimble GPS units, MS applications, and Adobe Flex Builder*

TEACHING and MENTORING EXPERIENCE:

Dissertation Committee Membership

- Dawn D. Ahner (D.Sc. Health Services Administration): 2018
- Stephen G. Cullen (D.Sc. Health Services Administration): 2018
- Henry Thompson (D.Sc. Health Services Administration): currently working on dissertation
- Gemini Majkowski (D.Sc. Health Services Administration): currently working on dissertation
- Kena Norris (D.Sc. Health Services Administration): currently working on dissertation
- Adre' Frost-Jordan (D.Sc. Health Services Administration): currently working on proposal

COURSES TAUGHT AND GUEST LECTURES

School of Health Professions, University of Alabama at Birmingham

HA 632: Quantitative Methods in Health Services Administration (Graduate's Level)

Course co-instructor (fall semester 2018, 2019)

HCM 360: Statistics for Managers (Undergraduate's Level)

Course Instructor (fall, spring and summer semester 2017, 2018, 2019)

Course Instructor for online (distance) version of course: (fall, spring and summer semester 2017, 2018)

HA 612: Essentials Health and Human Disease (Graduate's Level)

Course co-instructor (spring semester 2018, 2019)

HCM 435: Clinical and Administrative Information Systems (Undergraduate's Level)

Course Instructor (spring semester 2017)

Course Instructor for online (distance) version of course: (spring semester 2017)

Department of Geography and Planning, The University of Akron.

GEO 331: Introduction to Geography and Map and Map reading (Undergraduate's Level)

Course Instructor (fall, spring semester 2011, 2012)

SPECIFIC PROJECT

- Programmed a Geoprocessing tool that calculates the mean center of multiple mean centers using Python.
- Determined a suitable location for ECOWAS to have a consulate in Mid-Western USA using a Getis* analysis.
- Developed a Recreational Resource Management Database for the state of Pennsylvania.
- Employing cartographic represent to explore the spatial distribution of different crime forms in the 48 contiguous states of the USA.
- Glacier area changes of Jakobshavn Isbræ in Greenland from 1985-2007 using remote sensing technology.
- Historical GIS exploration of the Wolf Run creek in south Akron, Summit County, Ohio

HONORS & AWARDS:

- Graduate Research and Teaching Assistant- Dept. of Health Administration, UAB 2012
- Graduate Student Assistant- College of Health, Kent State University, OH 2010
- Graduate Student Fellowship- Department of Geoscience, The University of Akron, OH 2008
- Graduate Assistant at the ESRI International GIS User Conference in San Diego 2009
1 of 60 students selected worldwide to participate as Student
- "Honors and Academic Excellence Award"- Golden Key International Honor Society 2009
The University of Akron chapter, OH

STATISTICAL CONSULTANT:

Statistics consultant for various research projects:

- Evaluated the Productive Efficiency of Nurse Practitioners in a Nurse-Managed Center in a Highly Restrictive Scope-of-Practice State
- The Effect of Joining a Health System on Financial Performance
- The Impact of Cultural Competency on Patient Experience of Care
- Emergency Department Wait Time Communication Strategies and Patient Throughput Efficiency

SERVICE & COMMITTEE MEMBERSHIP:

Service to the University of Alabama at Birmingham

Member, Search Committee, HSA

- Search committee member for a new faculty.

Member, Committee for Diversity, Equity and Inclusion, HSA

- Ad hoc committee to review department strategy to foster diversity, equity, and inclusion.

Service to the Profession

Ad hoc Peer Reviewer

- Medical Care, since 2018
- Inquiry, since 2018
- Health Care Management Review, 2018
- Proceedings of the European Academy of Management (EURAM), since 2018
- Proceedings of the Academy of Management, since 2017
- Proceedings of the Southern Management Association, since 2014

PROFESSIONAL ASSOCIATIONS:

Member, Association of University Programs in Health Administration (AUPHA), since 2015

Member, AcademyHealth, since 2016

Member, Academy of Management, since 2017

Member, Southern Management Association (SMA), since 2014

Member, American Association of Geographers (AAG), 2011

Member, Golden Key International Honor Society, 2009

Member, Public Health Student Alliance, Kent State University, 2010

Member, Unity Hall Junior Common Room, KNUST, 2007