

CURRICULUM VITAE FOR PROMOTION AND TENURE**BJORN CHRISTOPHER WESTGARD, M.D., M.A.****PROFESSIONAL ADDRESS**

Department of Emergency Medicine, Regions Hospital
 640 Jackson Street, 11102-F, St. Paul, MN, 55104
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IDENTIFYING INFORMATION**Education**

Degree	Institution	Date Degree Granted
B.A.	University of Minnesota Minneapolis-St. Paul, MN Anthropology, French	1996
M.A.	University of Illinois Urbana-Champaign, IL Anthropology	2002
M.D.	University of Illinois Urbana-Champaign, IL College of Medicine	2005
Residency	Hennepin County Medical Center Minneapolis, MN Emergency Medicine	2005-2008
Fellow	Hennepin County Medical Center Minneapolis, MN Undersea and Hyperbaric Medicine	2008-2009

Certifications, Licenses

ABEM Board Certified, Emergency Medicine	2019
ABEM Board Certified, Undersea and Hyperbaric Medicine	2009
ACLS	2018
ATLS	2017
PALS	2018
Medicine, Minnesota 49631	09/2019
Medicine, Wisconsin 53234-20	10/2017

Academic Appointments

University of Minnesota Medical School, Twin Cities Campus, Department of Emergency Medicine	
Assistant Professor	2011-Present
Instructor	2006-2007

Regions Hospital, St. Paul, MN, Emergency Medicine Residency Program	
Clinical Faculty	2009-Present

Hennepin County Medical Center, Minneapolis MN, Emergency Medicine Residency Program	
Clinical Faculty	2009-Present

Clinical/Hospital Appointments

Research Director, Regions Hospital, Regions Emergency Medicine Residency	2017-Present
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Staff Physician, Westfields Hospital, Emergency Department	2011-Present
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Staff Physician, Hudson Hospital, Emergency Department	2009-Present
Staff Physician, St. Croix Regional Medical Center, Emergency Department	2009-Present

Staff Physician, Hennepin County Medical Center, Hyperbaric and Emergency Medicine	2009-Present
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Senior Staff Physician, Regions Hospital, Department of Emergency Medicine	2009-Present
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Current Membership and Offices in Professional Organizations

Society for Applied Anthropology	2018-Present
American Academy of Emergency Medicine	2008-Present
American College of Emergency Physicians	2005-Present
Society for Academic Emergency Medicine	2005-Present
Society for Cultural Anthropology	2004-Present
Society for Medical Anthropology	2004-Present
American Anthropological Association	1998-Present
American Ethnological Society	1998-Present

Research Positions

Predissertation Research Fellowship	2002
West African Research Association	
International Dissertation Research Fellowship	2002-2003
Social Science Research Council	

Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship United States Department of Education	2002-2003
Research Affiliate, Institute for Health and Development (ISED), Leopold Sedar Senghor Foundation, Fundamental Institute of Black Africa (IFAN), Cheikh Anta Diop University (UCAD), Dakar, Senegal	1999, 2001, 2002-2003
Consultant, Franciscan-Skemp Healthcare, Mayo Health System Complementary and Alternative Medicine Committee, LaCrosse, WI	1998-2000
Invited Participant, Council for the Development of Social Science in Africa, 3 rd Annual Institute on Gender, Dakar, Senegal	1999
Invited Participant, West African Research Association, Dual Intellectual Citizenship Program, Dakar, Senegal	1999
Research Assistant, New Life Center for Girls, Chiang Mai, Thailand	1998
Project Facilitator, United States Agency for International Development, Dakar, Senegal	1995
Intern, Environmental Development Action, Third World (ENDA-TM), Dakar, Senegal	1994-1995

HONORS AND AWARDS FOR RESEARCH WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

External Sources

Best Platform, North American Congress of Clinical Toxicology American Association of Poison Control Centers	2016
Best in Class, Emergency Medicine Basic Research Skills Course Emergency Medicine Foundation	2013
Graduate Fellowship, College of Medicine University of Illinois at Urbana-Champaign	2004-2005
Breslow Award for Promise in Anthropology University of Illinois at Urbana-Champaign (UC)	2004
Casagrande Award, Department of Anthropology University of Illinois at Urbana-Champaign	2001

Research Assistance Award, Department of Anthropology University of Illinois at Urbana-Champaign	2001
Outstanding Graduate Student Instructor, Anthropology University of Illinois at Urbana-Champaign	2000
Predissertation Research Award, Anthropology Department of Anthropology, University of Illinois at UC	1999
Foreign Language and Area Studies Fellowship, Bamana University of Illinois at Urbana-Champaign	1998
Foreign Language and Area Studies Fellowship, Wolof University of Illinois at Urbana-Champaign	1997
Waller Scholarship for Academic Promise College of Liberal Arts, University of Minnesota, Twin Cities	1994
Alumni Scholarship for Academic Honors College of Liberal Arts, University of Minnesota, Twin Cities	1991

RESEARCH AND SCHOLARSHIP

Grants and Contracts

Current External Sources

1. Principal Investigator (Single)
National Institute for Aging
Hotspotting Cardiometabolic Disparities for Simulated Advances in
Population Care
R01AG052533
09/01/2018-06/30/2022
\$1,896,405 Total Cost
\$382,011 Average Direct Costs/Year
25% Effort/Salary Support
2. Principle Investigator (Single)
Regions Hospital Foundation
Patient Resilience and Return Visits Among Emergency Department Patients
03/01/2019-03/01/2020
\$9,568
0% Effort/Salary Support
3. Co-Investigator
Regions Hospital Foundation
Determining Opioid Consumption Via Pharmacy Dispensing Claims
Following Emergency Department Visits
09/01/2019-09/01/2020
\$43,509

0% Effort/Salary Support

4. Principal Investigator (Single)
National Heart, Lung, and Blood Institute
Using Systems Science Methods to Study Cardiac Risk in the Somali
Community
R01HL118282
01/2014-present
\$2,875,269
\$494,118 Average Direct Costs/Year
25% Effort/Salary Support

Past External Sources

1. Principal Investigator (Single)
HealthPartners Institute for Education & Research
Hotspotting Healthcare Value: Geographic Analysis of Preventable Emergency
Department Visits, Their Costs, and Feasible Solutions
4/2013-06/2019
\$27,549
0% Effort/Salary Support
2. Principal Investigator (Single)
National Heart, Lung, and Blood Institute
Using Systems Science Methods to Study Cardiac Risk in the Somali
Community, Diversity Supplement 3R01HL118282-02S1
07/2016-12/2018
\$33,757
0% Effort/Salary Support
3. Co-Investigator
A Trial of Dental Vouchers to Improve Care and Reduce Emergency
Department Return Visits
01/2015-6/2017
\$50,000
0% Effort/Salary Support
4. Principal Investigator (Single)
Emergency Medicine Foundation
Associations Between Neighborhood Healthy Food Availability and
Emergency Department Presentations for Diet-Related Illness (DRI)
07/2012-08/2014
\$5000
0% Effort/Salary Support
5. Principal Investigator (Thesis Research)
Social Science Research Council

Postcolonial Treatments: A History of Governance through Public Health in
Senegal, West Africa
07/2002-08/2003
\$9,975
100% Effort/Salary Support

6. Co-Investigator (PI: Alma Gottlieb, PhD)
West African Research Association
Sereeritude and Senghor: The Poetics and Political Economy of
SereerEthnicity in Senegal
06/2001-08/2001
\$7,500
100% Effort/Salary Support

Past Research, Unfunded

1. Site Principal Investigator (Contact)
National Institutes of Health, NIDDK
Stem Cell Mobilization and Diabetic Wounds, R01DK094260-01A
02/2015-2016
\$ N/A
N/A % Effort/Salary Support
2. Principal Investigator (Single)
Regions Hospital, Hennepin County Medical Center
Adjuvant Hyperbaric Oxygen Versus Standard Therapy for Necrotizing Soft
Tissue Infections: 10 Years of Experience in Two Urban Hospitals
06/2013-03/2015
\$ N/A
N/A % Effort/Salary Support
3. Principal Investigator (Single)
Regions Hospital, Hearth Connection, Guild Incorporated, Wilder Research
Hospital to Home: The Qualitative Experience of Supportive Housing for
Homeless Patients with Multiple Comorbidities
01/2010-09/2014
\$ N/A
N/A % Effort/Salary Support
4. Principal Investigator
Regions Hospital Department of Emergency Medicine, Cultural Wellness
Center
African-American Conceptions of Community Wellness in East St. Paul,
Minnesota
04/2010-04/2012
\$ N/A
N/A % Effort/Salary Support

5. Co-Investigator
Hennepin County Medical Center, Wilder Research Foundation
Longitudinal Analysis of Factors Associated with Emergency Department
Utilization Among the Homeless, 1991-2009
01/2009-12/2011
\$ N/A
N/A % Effort/Salary Support

PUBLICATIONS

<i>h-index</i>	Total Publications	First/Last Author Publications	Total Citations	First/Last Author Citations
3	9	3	75	4

Peer-Reviewed Publications

1. Ajayi D*, Leggett C, Logue C, Myburgh S, Hendriksen S, Walter J, Masters T, **Westgard B**. Esophageal Stricture Following Radiation, Concurrent immunochemotherapy, Treated With Hyperbaric Oxygen and Dilation. *Mayo Clinic Proceedings: Innovations, Quality & Outcomes*. 2019 Jun; 3(2): 241–245. PMID: 31193834.
Impact factor 7.19
1 Citation.
Roles: Conception, interpretation, drafting and revision, final approval of published version
2. Masters T, Willenbring B, **Westgard B**, Cole J, Hendriksen S, Walter J, Logue C, Olives T. Availability of Bedside and Laboratory Testing for Carbon Monoxide Poisoning in the Upper Midwestern United States. *Western Journal of Emergency Medicine*. 2019. 20(3): 506-511. PMID: 31123553.
Impact factor 1.136
Citations N/A.
Roles: Conception and design, interpretation, drafting and revision, final approval of published version
3. Orwig D*, Logue C, Hendriksen S, **Westgard B**, Walter J, Pullis M, Masters T. An approach to treating a patient with a HeartMate II™ left ventricular assist device in a multiplace hyperbaric chamber: a case report. *Undersea and Hyperbaric Medicine*. 2018; 45(1):89-93. PMID: 29571237.
Impact factor 0.636
1 Citation.
Roles: Conception and design, interpretation, drafting and revision, final approval of published version
4. Hendrickson S, Menth N, **Westgard B**, Cole J, Walter J, Masters T, Logue C. Hyperbaric oxygen therapy for the prevention of arterial gas embolism food grade hydrogen peroxide ingestion. *American Journal of Emergency Medicine*. 2017 May; 45(5):809.e5-809.e8. PMID: 28069419.
Impact factor 1.74
3 Citations.
Roles: Conception and design, interpretation, drafting and revision, final approval of published version

5. Masters T, Omodt S, Gayken J, Logue C, **Westgard B**, Hendriksen S, Walter J, Nygaard R. Microangiography to monitor treatment outcomes following severe frostbite injury to the hands – a case report. *Journal of Burn Care and Research*. 2018; 39(1):162-167. PMID: 28328661.
Impact factor 1.923
2 Citations.
Roles: Conception, interpretation, drafting and revision, final approval of published version
6. **Westgard BC**, Peterson BK, Salzman JG, Anderson R, Buldra M, Burnett AM. Longitudinal and regional trends in paramedic student exposure to advanced airway placement: 2001-2011. *Prehospital Emergency Care*. 2013; 17:379-85. PMID: 23410104.
Impact factor 2.69
3 Citations.
Roles: Conception and design, interpretation, drafting and revision, final approval of published version
7. Miner J, **Westgard B**, Olives T, Patel R, Biro M. Hunger and food insecurity among patients presenting to an urban emergency department. *Western Journal of Emergency Medicine*. 2013; 14(3):253-62. PMID: 23687545.
Impact factor 1.136
15 Citations.
Roles: Conception and design, data acquisition, analysis, interpretation, drafting and revision, final approval of published version
8. Johnson PJ, Ghildaval N, Ward A, **Westgard BC**, Boland LL, Hokanson JS. Disparities in potentially avoidable emergency department (ED) care: ED visits for ambulatory care sensitive conditions. *Medical Care*. 2012; 50(12):1020-8. PMID: 23032354.
Impact factor 3.081
50 Citations.
Roles: Conception, analysis, interpretation, drafting and revision, final approval of published version
9. **Westgard B**, Adkinson C. Power in the Study of Mortality and Necrotizing Soft Tissue Infections. *Surgical Infections*. 2009; 10(1):21-8. PMID: 20025542.
Impact factor 1.448,
1 Citation.
Roles: Conception and design, acquisition of data, analysis, interpretation, drafting and revision, final approval of published version

Non-Peer Reviewed Publications

1. **Westgard B.** "Somali Americans' health: Change and 'the healthy immigrant effect.'" *Minnesota Physician*. 2018; 31(12):28-30.
https://issuu.com/mppub/docs/mp_0318
2. Dalmar A, Pryce D, Martinson B, Farah F, Wewerka S, Dubois D, Sanka L, Ahmed O, **Westgard B.** Living in Ethnic-enclave Neighborhoods May Attenuate the Negative Effect of Acculturation on Blood Pressure in Refugees and Maintain Immigrant Health Effect. *Hypertension*. 2017; 70(S1) (Abstract)
3. **Westgard B,** Warren D, Van Riper D, Borah J. Hotspots of Triple Aim Opportunity: Identifying Geographic Clusters of Potentially Preventable Emergency Department Visits and Costs. *Annals of Emergency Medicine*. 2014; 64(4S):S85-6. (Abstract)
4. **Westgard B,** Dahl E, Van Riper D, Borah J. Health Neighborhoods and the Emergency Department: Is Neighborhood Healthy Food Availability Associated with Emergency Department Presentations for Diet-Related Illness? *Annals of Emergency Medicine*. 2013; 62(4S) S73. (Abstract)
5. Miner J, **Westgard B,** Olives T, Patel R, Biros M. Increasing Rate of the Experience of Hunger Among Patients of Presenting to the Emergency Department at an Urban County Medical Center. *Academic Emergency Medicine*. 2010; 17(S1):S175. (Abstract)
6. Miner J, **Westgard B,** Olives T, Patel R, Biros M. Increasing Rate of Patients Who Are Homeless or Have Unstable Living Situations Presenting to the Emergency Department at an Urban County Hospital Between 2007 and 2009. *Academic Emergency Medicine*. 2010; 17(S1):S168. (Abstract)
7. **Westgard B,** Miner J, Biros M. Longitudinal Analysis of the Minnesota Homeless Survey Data 1991-2006: Changing Associations Between Emergency Department Usage, Shelter Type, Chronic Illness, and Access to Services. *Academic Emergency Medicine*. 2009; 16(S1):S268. (Abstract)
8. **Westgard B,** Miner J, Biros M. Analysis of the 2006 Minnesota Homeless Survey Data: Do Shelter Type, Chronic Illness, and Access to Services Correlate with Emergency Department Usage? *Academic Emergency Medicine*. 2008; 15(S1):S102. (Abstract)
9. Gross G, **Westgard B.** Hyperbaric Oxygen Therapy in Emergency Medicine Practice. <http://www.emedhome.com>
10. **Westgard B.** Rituals of Culture: From Life to Spectacle. *Yeggo: Culture/Exchange*. 2003; 8:24.

Chapters in Books

1. **Westgard B.** Hypothermia. Avoiding Common Errors in the Emergency Department. Philadelphia, Wolters Kluwer, 1st Edition, 2010.
2. **Westgard B.** Wisdom that Grows and Knowledge that Flies: Negotiating Local Knowledge and International Public Health in Senegal. Health, Knowledge, and Belief Systems in Africa. Durham, NC, Carolina Academic Press, 2008.
3. **Westgard B.** Professionals. Encyclopedia of Twentieth-Century African History. Routledge, 2003.
4. **Westgard B.** Merchants. Encyclopedia of Twentieth-Century African History. Routledge, 2003.
5. **Westgard B.** From Development Ethics to Medical Ethics: Capabilities, Well-Being, and the Conceptualization of Health Care. Collected Papers from the Ford Foundation Interdisciplinary Research Seminar on Ethics in International Development, ACDIS Occasional Papers. Champaign-Urbana, IL, ACDIS, 2001.

PRESENTATIONS

Invited Oral Presentations at International Professional Meetings, Conferences, etc.

1. Ott M, **Westgard B**, Martinson B, Maciosek M. Generalized Estimating Equations for Social Network Data. Joint Statistical Meetings; 2018; Vancouver, British Columbia, Canada.
2. **Westgard B.** “Medical Articulations of Body, Knowledge, and Community in Fatick.” West African Research Center; 2001; Dakar, Senegal.

Invited Oral Presentations at National Professional Meetings, Conferences, etc.

1. Ajayi OD, Masters TC, **Westgard BC**, Logue CJ, Walter JW, Hendriksen SM. “Efficacy and safety of hyperbaric oxygen at 2.4 ATA in the management of radiation cystitis: A retrospective study.” Undersea and Hyperbaric Medicine Society; 2019; San Juan, PR.
2. Gordon B, **Westgard B**, Nelson J, Zwank M. “Electronic Prescribing Implementation Decreases Opiate Prescriptions in an Academic Emergency Department.” Society for Academic Emergency Medicine; 2019; Las Vegas, NV.
3. **Westgard B**, Miner J, Cole J, Klein L. “Medical Ethics in Public View: Managing and Researching Agitation Under Media and Public Scrutiny.” Society for Academic Emergency Medicine; 2019; Las Vegas, NV.
4. **Westgard B.** “The Stories We Tell: Better Care and Experience Through Narrative Medicine.” Society for Academic Emergency Medicine; 2019; Las Vegas, NV.

5. **Westgard B.** “To See Our Population and Know the Bang-For-Your-Buck: Overcoming Health System Resistance to Community-Based Community Health Workers.” Society for Applied Anthropology; 2019; Portland, OR.
6. **Westgard B,** Pryce D, Farah F. “Studying Cardiovascular Disease Among Somali Refugees and Immigrants: Lessons Learned Through Community Engagement and Respondent Driven Sampling of Social Networks.” North American Refugee Health Conference; 2018; Portland, OR.
7. **Westgard B,** Pryce D, Martinson B, Maciosek M, Ahmed O, Dalmar A, Wewerka S, Farah F. “Evolving Cardiovascular Disease Risk Factors in a Somali-American Immigrant Community.” Health Care Systems Research Network; 2018; Minneapolis, MN.
8. Dalmar A, Pryce D, Martinson B, Farah F, Wewerka S, Dubois D, Sanka L, Ahmed O, **Westgard B.** “Living in Ethnic-enclave Neighborhoods May Attenuate the Negative Effect of Acculturation on Blood Pressure in Refugees and Maintain Immigrant Health Effect.” American Society of Hypertension; 2017; San Francisco, CA.
9. **Westgard B,** Kaye K, Zagar A, Anderson J, Wewerka S. “A Randomized Controlled Trial of Emergency Department (ED) Dental Care Vouchers to Improve Care and Reduce Return Visits.” Society for Academic Emergency Medicine; 2017; Orlando, FL.
10. Omodt S, **Westgard B,** Logue C. “Improvements in Teamwork, Care Quality, and Patient Safety through the Implementation of an Emergent Hyperbaric Treatment Checklist.” Undersea and Hyperbaric Medical Society Annual Meeting; 2017; Naples, FL.
11. Olives T, **Westgard B,** Cole J. “Socioeconomic Stratification of Callers to a Regional Poison Center: What Size are the Holes in our Net?” North American Congress of Clinical Toxicology; 2016; Boston, MA.
12. **Westgard B,** Warren D, Van Riper D, Borah J. "Hotspots of Triple Aim Opportunity: Identifying Geographic Clusters of Potentially Preventable Emergency Department Visits and Costs." American College of Emergency Physicians; 2014; Chicago, IL.
13. Ankeny A, Isenberger K, **Westgard B,** Stuck L, Shirley C, Wewerka S. "Association of Missed Outpatient Appointments and Emergency Department Visits and Inpatient Admissions." American College of Emergency Physicians; 2014; Chicago, IL.

14. **Westgard, B.** "Doctors in Development: Circuits of Public Health Training and Transnational Governance in West Africa." Society for Medical Anthropology; 2009; New Haven, CT.
15. **Westgard B.** "Performing Ethnic Politics through Traditional Medicine." Central States Anthropological Society; 2009; Urbana, IL.
16. **Westgard B.** "'Found Down, Brought in by Ambulance': Homelessness and the Developing Sovereignty of Emergency Medical Care," Society for Medical Anthropology; 2008; Memphis, TN
17. **Westgard B.** "How To Have Theory on the Wards," Rethinking Health, Culture and Society: Physician-Scholars in the Social Sciences and Medical Humanities; 2007; Chicago, IL.
18. **Westgard B.** "Making Governmentality Effervesce: Communal Transformations of the World Bank's Community Nutrition Program in Senegal." Society for Cultural Anthropology; 2006; Milwaukee, WI.
19. **Westgard B.** "'Wisdom that grows and knowledge that flies': Negotiating Local Knowledge and International Public Health in Senegal," Conference on African Health and Illness; 2005; Austin, TX.
20. **Westgard B, Chen JJ.** "Fetishizing Reproduction Amidst the Specter of Crisis: State Policy and Popular Practice in Asia and Africa," American Ethnological Society; 2004; Atlanta, GA.
21. **Westgard B.** "Extenuating Circumstance: Transnational Governance and the Reproduction of Local Family Planning." American Ethnological Society; 2004; Atlanta, GA.
22. **Westgard B.** "Negotiating Ethnic and Medical Cultures: Senegalese Responses to Pathology and Power," paper presented to the symposium on "Interculturality in a Globalizing World." Joint Area Centers; 2003; University of Illinois, Urbana, IL.
23. **Westgard B.** "Traditional Gone Transnational: The Politics of a Global Medical Network," American Anthropological Association; 2001; Washington, DC.
24. **Westgard B.** "Articulating Ethnomedicine: Struggling over Health and Sereer Tradition in the Heart of Senegal." Invited Session of the American Anthropological Association; 2000; San Francisco, CA.
25. **Westgard B.** "The Nature of Tradition and the Culture of Hegemony: The Uses and Abuses of 'Traditional Medicine' in Senegal." American Ethnological Society; 1999; Portland, OR.

Invited Oral Presentations at Local and Regional Professional Meetings, Conferences, etc.

1. **Westgard B**, Pryce D, Martinson B, Farah F, Kahin A. "Studying Cardiovascular Disease Among Somali Refugees and Immigrants: Lessons Learned Through Community Engagement and Respondent Driven Sampling of Social Networks." Minnesota Public Health Association; 2018; St. Cloud, MN.
2. Grothe J, Dillon K, **Westgard B**. "Hospital to Home: Rejuvenating Health and Reducing Costs." Minnesota Association of Community Mental Health Programs Annual Conference; 2016; St. Paul, MN.
3. **Westgard B**. "The Social Determinants of Health and the Electronic Health Record." Minnesota Department of Health/Department of Human Services Standards and Interoperability Committee; 2014; St. Paul, MN.
4. **Westgard B**. "Social Dynamics and the Emergency Department." Emergency Medicine Interest Group, University of Minnesota Medical School; 2010; Minneapolis, MN.
5. **Westgard B**. "Found Down, Brought in by Ambulance: Homelessness and the Sovereign Role of Emergency Medicine." Urban Studies Group, University of Minnesota; 2007; Minneapolis, MN.

Poster Abstract Presentations at Professional Meetings, Conferences, etc.

1. McCarthy P, Hendriksen SM, Masters TC, **Westgard BC**, Walter JW, Osterman A, Reardon RF, Logue CJ. "Use of point of care ultrasound for the rapid diagnosis of central retinal artery occlusion." Undersea and Hyperbaric Medicine Society; 2019; San Juan, PR.
2. Minnihan E, Walter J, **Westgard B**, Hendrickson S, Logue C, Masters S. "Prospective Study of Mucosal Atomizer Device Use on Myringotomy Patency." Undersea and Hyperbaric Medical Society Annual Meetings; 2016; Toronto, Canada.
3. Minnihan E, Masters T, **Westgard B**, Walter J, Logue C, Hendrickson S. "Fluorescence Microangiography to Guide Management of Non-healing Wounds." Undersea and Hyperbaric Medical Society Annual Meetings; 2016; Toronto, Canada.
4. Hendrickson S, Masters T, **Westgard B**, Walter J, Minnihan E, Logue C. "Case Series of Patients with CRAO with the Diagnosis Confirmed by Bedside Ultrasound." Undersea and Hyperbaric Medical Society Annual Meetings; 2016; Toronto, Canada.

5. **Westgard B**, Martinson B, Maciosek M, Pryce D, Dalmar A, Farah F, Wewerka S, Fernandes O. "Intensive Community Engagement to Address Cardiovascular Disease Risk Factors in the Somali Community." Academy Health Annual Research Meeting; 2015; Minneapolis, MN.
6. **Westgard B**, Warren D, Van Riper D, Borah J. "Neighborhood And Patient Factors In Hotspots Of Potentially Avoidable Emergency Department Visits And Costs." Society for Academic Emergency Medicine; 2015; San Diego, CA.
7. Masters T, **Westgard B**, Walter J, Hendrickson S, Logue C. "Hyperbaric oxygen therapy for central retinal artery occlusion (CRAO): Improved outcomes in a retrospective case series." Undersea and Hyperbaric Medical Society Annual Meetings; 2015; Dallas, TX.
8. Masters T, **Westgard B**, Hendrickson S, Walter J, Logue C. "Safety and Efficacy of Needle Myringotomy Performed by Hyperbaric Medicine Physicians." Undersea and Hyperbaric Medical Society Annual Meetings; 2015; Dallas, TX.
9. Walter J, **Westgard B**. "Hyperbaric Oxygen Therapy is Associated with Improved Mortality in Necrotizing Soft Tissue Infections (NSTIs): A Retrospective Case-Control Study in Two Urban Hospitals." Undersea and Hyperbaric Medical Society Annual Meetings; 2015; Dallas, TX.
10. Walter J, **Westgard B**. "Morbidity & Mortality in Necrotizing Soft Tissue Infections (NSTIs): Hyperbaric Oxygen Versus Standard Therapy in Two Urban Hospitals." Undersea and Hyperbaric Medicine Society Annual Meetings; 2014; St. Louis, MO.
11. **Westgard B**, Dahl E, Van Riper D, Borah J. "Healthy Food Availability is Associated with Neighborhood Incidence of Emergency Department Visits for Diet-Related Illnesses." Society for Academic Emergency Medicine; 2014; Dallas, TX.
12. **Westgard B**, Dahl E, Van Riper D, Borah J. "Healthy Neighborhoods and the Emergency Department: Is Neighborhood Healthy Food Availability Associated with Emergency Department Presentations for Diet-Related Illness?" American College of Emergency Physicians; 2013; Seattle, WA.
13. **Westgard B**, Miner J, Biros M. "Longitudinal Analysis of the Minnesota Homeless Survey Data 1991-2006: Changing Associations Between Emergency Department Usage, Shelter Type, Chronic Illness, and Access to Services." Society for Academic Emergency Medicine; 2009; New Orleans, LA.
14. **Westgard B**, Miner J, Biros M. "Analysis of the 2006 Minnesota Homeless Survey Data: Do Shelter Type, Chronic Illness, and Access to Services Correlate with Emergency Department Usage?" Society for Academic Emergency Medicine; 2008; Washington, DC.

TEACHING AND CURRICULUM DEVELOPMENT**University of Minnesota – Department of Emergency Medicine****Lectures**

“Social Dynamics of Emergency Medicine,” Emergency Medicine Interest Group 2010

“Found Down, Brought in by Ambulance: Homelessness and the Sovereign Role of Emergency Medicine,” Urban Studies 2007

External Lectures

“Medical Ethics in Public View,” Society for Academic Emergency Medicine 2019

“CRAO, Crush, Frostbite, TBI: HBO for Difficult Conditions,” Rocky Mountain Conference on Emergency Medicine 2018

“Spatial Analysis in Emergency Medicine Research,” Society for Academic Emergency Medicine 2014

Continuing Medical Education

Bedside Teaching of Medical Students in the Emergency Department 2009-Present

Emergency Medicine Core Content 2011-Present

Emergency Medicine Critical Case Conferences 2011-Present

Bedside Ultrasound for Medical Students 2008-2017

Inter-Professional Street Outreach Program 2010-2015

Regions Hospital/HealthPartners**Large Group Lectures**

Hematologic-Oncologic Emergencies 2011-Present

Post-Partum Complications

Hyperbaric Emergencies and Evidence

Physician-Patient Engagement

Shared Decision Making

Social Aspects of Emergency Care

Well-Being in Practice

Small Group Lectures

Wound Care and Repair 2011-Present

“What’s in Your Belly” Improv Scenarios

Homelessness and Comorbidities

The Pneumothorax Game

Hypertensive Urgency and Emergency

Emergencies of the Aorta

Supraglottic Airways

Curriculum Development

Wellness in Emergency Medicine 2018-Present

Physician-Patient Interaction 2017-Present

Continuing Medical Education

Bedside Teaching of Residents in the Emergency Department 2009-Present

Emergency Medicine Residency Core Content 2011-Present

Emergency Medicine Critical Case Conference 2011-Present

Mock Oral Boards for Emergency Medicine Residents 2010-Present

Rare Procedure Lab for Faculty Emergency Physicians	2018
Hennepin County Medical Center	
Emergency Medicine Lectures	2006-Present
Necrotizing Soft Tissue Infections	
Research Design	
Valvular Disorders	
Anaphylaxis	
Methamphetamine: Social and Clinical Concerns	
Hyperbaric Medicine Lectures	2009-Present
Hyperbaric Medicine Overview	
Contraindications	
Decompression Sickness	
Cyanide and Carbon Monoxide Poisoning	
Necrotizing Soft Tissue Infections	
Acute Traumatic Peripheral Ischemias	
Wound Physiology and Wound Care	
Continuing Medical Education	
Undersea and Hyperbaric Medicine Fellowship Core Content	2009-Present
Emergency Resident Hyperbaric Medicine Orientation	2009-Present
Benchmark Procedure Lab	2008-2010
Collaborative Activities	
Regions/Hennepin Combined Emergency Medicine Conference	
Empathy and Narrative Medicine	2019
Peripartum Emergencies	2012
University of Illinois at Urbana-Champaign	
Courses, Teaching Assistant	
“Introduction to Cultural Anthropology,” Department of Anthropology	Fall 2006
“Language Borderlands,” Department of Speech Communications, University of Minnesota	Summer 2006
“Cultural Images of Women,” Department of Anthropology	Fall 2001
“Introduction to Linguistic Anthropology,” Department of Anthropology	Spring 2000
“Human Anatomy,” Department of Cell and Structural Biology, College of Medicine	Fall 1999 – Spring 2000
ADVISING AND MENTORING	
Undergraduate Student Activities	
<u>Undergraduate Advising</u>	
Cindy Nguyen	2016
Graduate Student Activities	
<u>Master’s Student Advising</u>	
Nora Marino, MPH	2015-2016
“Housing Supports for Individuals with Serious Mental Illnesses.”	

David Warren, MD 2013-2014
 “Hotspotting Healthcare Value: Geographic Analysis of Preventable
 Emergency Department Visits, their Costs, and Feasible Solutions.”

Eric Dahl, MD, MPH 2011-2013
 “Associations Between Neighborhood Healthy Food Availability and
 Emergency Department Presentations for Diet-Related Illness (DRI).”

Doctoral Student Advising

Ifrah Biyoow, MPH 2017-Present
 “Ideal Cardiovascular Health, Cardiovascular Disease, and Gender
 Differences in the Somali Community of Minnesota.”

Farhiya Farah, MPH, PhD 2016-2018
 “An In-Depth Exploration of Food Safety Performance of Independent
 Somali Restaurants: A closer look at food safety cultural norms,
 longitudinal inspection outcome, impact of oral training and the
 promise of letter grading”

Professional Student Activities

Emergency Medicine Residents Mentored

Ifrah Ali, MD 2017-Present
 Priya Suri, MD 2016-2019
 Enyioma Okechukwu, MD 2016-2019
 David Warren, MD 2011-2014
 Joseph Walter, MD 2010-2013
 Eric Dahl, MD 2009-2012

Post-Doctoral Fellows Supervised/Mentored

David Ajayi, MD 2018-Present
 Sahitya Settypalli, MD 2017-2018
 Drue Orwig, MD 2016-2017
 Cory DuBose, MD 2016-2017
 Eric Minnihan, MD 2015-2016
 Tom Masters, MD 2014-2015
 Joseph Walter, MD 2013-2014

Other Mentoring Activities

Mentoring assigned medical students on advanced EM rotations 2009-Present

CLINICAL SERVICE

Clinical Improvement Projects

Sepsis Panel 2018-present
 Effort to improve quality of care and outcomes for severe sepsis and
 septic shock in HealthPartners hospitals.

Hospital to Home 2012-present
 Pilot to improve care and cost through supportive housing for frequent Regions Hospital Emergency Department patients who are homeless with multiple chronic medical and mental health issues

ED Care Plans 2013-15
 Pilot to improve care coordination for frequent Regions Hospital Emergency Department patients through care plans in the electronic medical record

EBAN Experience 2012-2013
 Pilot to improve racial and gender disparities in pain control for extremity injuries in the Regions Hospital Emergency Department

Clinical Service Responsibilities
 1336 total clinical hours (976 emergency / 360 hyperbaric) 2018
 1369 total clinical hours (1009 emergency / 360 hyperbaric) 2017

PROFESSIONAL SERVICE AND PUBLIC OUTREACH

Committee Memberships

Regional

Governing Board, Guild Incorporated 2016-Present
 Institutional Review Board, HealthPartners 2016-Present
 Equitable Care Committee, Regions Hospital 2015-Present
 Limb Salvage Committee, Hennepin County Medical Center 2015-2016
 Health Services Research Committee, HealthPartners 2013-2015
 Community Outreach Committee, Regions Hospital 2011-2014

National

Awards Committee, Society for Academic Emergency Medicine 2019-Present
 Ethics Committee, Society for Academic Emergency Medicine 2017-Present
 Rural Emergency Medicine Committee 2015-2016
 American College of Emergency Physicians
 Community-Based Academic Physician Task Force, Society for Academic Emergency Medicine 2011-2013

Community Outreach Activities

“Heart Disease and Diabetes in the Somali Community,” Presentation to City of Minneapolis Health Department and Park Board. May 2019
 “Heart Disease and Diabetes in the Somali Community,” Presentation to Somali Women’s Night Out at Brian Coyle Center. April 2019

“Heart Health in the Somali Community: Results from Somali Cardiometabolic Health Study,” Presentation to Somali Community at Humphrey School of Public Affairs, University of Minnesota.	September 2018
“Somali Americans' health: Change and ‘the healthy immigrant effect.’” <i>Minnesota Physician</i> . https://issuu.com/mppub/docs/mp_0318	March 2018
“Research in the Somali Community.” Video for Somali TV, Minneapolis, MN.	2015
“Tips to Protect Against Carbon Monoxide Poisoning.” KSTP-TV.	January 2015
“Healthcare Equity: How Do We Get There? A Forum of Healthcare Representatives.” <i>MinnPost</i> . https://www.minnpost.com/inside-minnpost/2014/11/video-minnposts-panel-discussion-health-equity/	November 2014
“The Somali Heart Health Study.” KFAI Radio.	November 2014
“Heart Disease and Heart Health.” Video for Somali TV, Minneapolis, MN. https://www.youtube.com/watch?v=zl4ywbaaxWg	2014
“Diabetes and Metabolic Syndrome.” Video for Somali TV, Minneapolis, MN.	2014
“The Somali Heart Health Study.” Video for Somali TV, Minneapolis, MN.	2014
“Carbon Monoxide Poisoning Treatment and Prevention.” Minnesota Department of Public Safety.	December 2014
“After Deaths, Officials Warn of Dangers of Carbon Monoxide Poisoning.” <i>Minnesota Public Radio News</i> . https://www.mprnews.org/story/2014/12/06/carbon-monoxide	December 2014
“For Emergency Room Regulars, a Promising Lifeline Out.” <i>StarTribune</i> . http://www.startribune.com/rosenblum-for-emergency-room-regulars-a-promising-lifeline-out/155850455/	May 2012
“HCMC Replaces 1960’s-Era Hyperbaric Chambers.” <i>StarTribune</i> .	May 2012
“One Diver Dead, One Saved by HCMC Chamber.” KSTP.	July 2010