

CURRICULUM VITAE

Date: 07/27/2009

Shari Danielle (Goldenberg) Bolen M.D, M.P.H.

DEMOGRAPHIC INFORMATION

Current Appointments

Assistant Professor of Medicine, Epidemiology & Biostatistics/KL2 scholar
Center for Health Care Research and Policy, MetroHealth/Case Western Reserve University

Personal Data

Work Address: 2500 MetroHealth Drive, Rammelkamp building, R234A
Cleveland, OH 44109
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Spouse: Michael A. Bolen, M.D.
Children: Saul and Naomi Bolen

Education

1996 B.S. Ohio State University (Summa Cum Laude in Psychology)
2000 M.D. Ohio State University College of Medicine
2004 M.P.H. Johns Hopkins Bloomberg's School of Hygiene & Public Health
(focus: Epidemiology & Biostatistics)

Post-Doctoral Training

2000-2003 Residency in Internal Medicine, Montefiore Hospital, Albert Einstein College of Medicine
2002-2003 Chief Resident of the Primary Care Internal Medicine Program, Montefiore Hospital, Albert Einstein College of Medicine
2004-2005 Johns Hopkins Faculty Development Program
Curriculum Development Course
The Johns Hopkins Bayview Medical Center, Baltimore, MD
2003-2006 Research Fellowship, Division of General Internal Medicine
Johns Hopkins University School of Medicine
2008-2009 Practice-based Research Network Fellowship, Center for Health Care Research and Policy, MetroHealth/Case Western Reserve University

Professional Experience

- 2003-2005 Internist, Consultation Service, Johns Hopkins Hospital
- 2003-2005 Attending Physician
Health Care for the Homeless, Mercy Hospital, Baltimore, MD
Provided medical care and substance abuse counseling to homeless population one afternoon a week.
- 2005-2007 Attending Physician
HIV Moore Clinic, Johns Hopkins Hospital, Baltimore, MD
Provided general medical care and HIV care to patients with HIV one afternoon a week.
- 2006-2008 Instructor, Division of General Internal Medicine
Johns Hopkins University School of Medicine
- 2009-present Assistant Professor of Medicine, Epidemiology & Biostatistics
Center for Health Care Research and Policy
MetroHealth/Case Western Reserve University

RESEARCH ACTIVITIES

Publications

Peer-Reviewed Original Articles:

1. Jackson C.L., **Bolen S.**, Brancati F.L., Batts-Turner M.L., Gary T.L. A Systematic Review of Interactive Computer-Assisted Technology in Diabetes Care. *J Gen Intern Med.* 2006 Feb; 21(2): 105-10.
2. **Bolen S.**, Tilburt J., Baffi C., Gary T.L., Powe N., Howerton M., Ford J.G., Lai G., Wilson R., Bass E.B. Defining “Success” in Recruitment of Underrepresented Populations to Cancer Clinical Trials: Moving Toward a More Consistent Approach. *Cancer* 2006 Mar; 106(6): 1197-1204.
3. Ratanawongsa N., **Bolen S.**, MD, Howell E., Kern D.E., Sisson S.D., Larriviere D. Residents’ perceptions of professionalism in training and practice: barriers, promoters, and duty hour requirements. *J Gen Intern Med.* 2006 Jul; 21(7): 758-63.
4. Bordeaux B., **Bolen S.**, Brotman D. Beyond Cardiovascular Risk: The Impact Of Obesity On Cancer Death. *Cleve Clin J Med* 2006 Oct; 73(10): 945-50.
5. Lai G.Y., Gary T.L., Tilburt J., **Bolen S.**, Baffi C., Wilson R.F., Howerton M.W., Gibbons M.C., Tanpitukpongse T.P., Powe N.R., Bass E.B., Ford J.G. Effectiveness of Strategies to Recruit Underrepresented Populations into Cancer Clinical Trials. *Clin Trials* 2006; 3(2):133-41

6. Howerton M.W., Gibbons M.C., Baffi C., Gary T.L., Lai G.Y., **Bolen S.**, Tilburt J., Panpitukpongse T.P., Wilson R.F., Powe N.R., Bass E.B., Ford J.G. Provider Roles in the Recruitment of Underrepresented Populations to Cancer Clinical Trials. *Cancer* 2007 Feb; 109(3): 465-476.
7. **Bolen S.**, Feldman L., Vassy J., Wilson L., Yeh H.C., Marinopoulos S., Wiley C., Selvin E., Wilson R., Bass E.B., Brancati F.L. Systematic Review: Comparative Effectiveness and Safety of Oral Medications for Type 2 Diabetes. *Ann of Int Med* 2007 Sep 18; 147(6): 386-399.
8. Tilburt J., Ford J.G., Howerton M.W., Lai G.Y., Gary T.L., **Bolen S.**, Baffi C., Tanpitukpongse T.P., Wilson R.F., Powe N.R., Bass E.B., Sugarman JS. Applying Justice in Clinical Trials for Diverse Populations. *Clin Trials* 2007; 4(3): 264-269.
9. Ford J.G., Howerton M.W., Lai G.Y., Gary T.L., **Bolen S.**, Gibbons M.C., Tilburt J., Baffi C., Tanpitukpongse T.P., Wilson R.F., Powe N.R., Bass E.B. Recruiting Underrepresented Populations to Cancer Clinical Trials: A Systematic Review. *Cancer* 2008 Jan 15;112(2):228-42.
10. **Bolen S.D.**, Samuels T.A., Yeh H.C, Marinopoulos, S.S., McGuire M., Abuid M., Brancati F.L. Failure to Intensify Antihypertensive Treatment by Primary Care Providers: A Cohort Study in Adults with Diabetes Mellitus and Hypertension. *J Gen Intern Med.* 2008; May;23(5):543-50. Epub 2008 Jan 25.
11. Selvin E., **Bolen S.**, Yeh H.C., Wiley C., Wilson L.M., Marinopoulos S.S., Feldman L., Vassy J., Wilson R., Bass E.B., Brancati F.L. Cardiovascular Outcomes in Trials of Oral Diabetes Medications: A Systematic Review. *Arch Intern Med.* 2008 Oct 27; 168(19): 2070-2080.
12. **Bolen S.D.**, Bricker E., Samuels T.A., Yeh H.C., Marinopoulos S., McGuire M., Abuid M., Brancati F.L. Factors Associated with Intensification of Oral Diabetes Medications in Primary Care Provider-Patient Dyads: A Cohort Study. *Diabetes Care.* 2009 Jan;32(1):25-31. Epub 2008 Oct 17.
13. Samuels T.A., **Bolen S.**, Yeh H.C., Abuid M., Marinopoulos, S.S., Weiner J.P., McGuire M., Brancati F.L. Missed Opportunities in Diabetes Management: A Longitudinal Assessment of Factors Associated with Sub-optimal Quality. *J Gen Intern Med.* 2008 Nov;23(11):1770-7. Epub 2008 Sep 12.
14. Maruthur N.M., **Bolen S.D.**, Brancati F.L., Clark J.M. The Association of Obesity and Cervical Cancer Screening. *Obesity (Silver Spring).* 2009 Feb;17(2):375-81. Epub 2008 Nov 6.

15. Qayyum R, **Bolen S**, Maruthur N, Feldman L, Wilson LM, Marinopoulos SS, Ranasinghe P, Amer M, Bass EB. Systematic Review: Comparative Effectiveness and Safety of Premixed Insulin Analogues in Type 2 Diabetes. *Ann Intern Med*. 2008 Oct 21; 149(8): 549-559.
16. Nicholson WK, **Bolen S**, Witkop C, Neale D, Wilson L, Bass, E. Benefits and Risks of Oral Diabetes Agents Compared with Insulin in Women with Gestational Diabetes: A Systematic Review. *Obstet Gynecol*. 2009 Jan;113(1):193-205.
17. Maruthur N.M., **Bolen S.**, Brancati F.L., Clark J.M. Obesity and Mammography: A Systematic Review and Meta-Analysis. *J Gen Intern Med*. 2009 May;24(5):665-77. Epub 2009 Mar 11.
18. **Bolen S.D.**, Clark J.M., Richards T.M., Shore A.D., Goodwin S.M., Weiner J.P. Trends in and Patterns of Obesity Reduction Medication Use in an Insured Cohort. *Obesity (Silver Spring)*. 2010 Jan; 18(1):206-9. Epub 2009 Jun 4.
19. Bennet W.L., **Bolen S.**, Wilson L.M., Bass E.B., Nicholson W.K. Performance Characteristics of Postpartum Screening Tests for Type 2 Diabetes Mellitus in Women with a History of Gestational Diabetes Mellitus: A Systematic Review. *J Womens Health (Larchmt)*. 2009 Jul; 18(7): 979-87.
20. Clark J.M., Chang H.Y., **Bolen, S.**, Shore A.D., Goodwin S.M., Weiner J.P. Development of a Claims-based Risk Score to Identify Obese Individuals. *Population Health Management (In Press)*.

Peer-Reviewed Evidence-Based Technical Reports:

1. Ford J.G., Howerton M.W., **Bolen S.**, Gary T.L., Lai G.Y., Tilburt J., Gibbons M.C., Baffi C., Wilson R.F., Feuerstein C.J., Tanipitukpongse P., Powe N.R., Bass E.B. Knowledge and access to information on recruitment of underrepresented populations to cancer clinical trials. *Evid Rep Technol Assess (Summ)*. 2005 Jun;(122):1-11.
2. **Bolen S.**, Wilson L., Vassy J., Feldman L., Yeh J., Marinopoulos S., Wilson R., Cheng D., Wiley C., Selvin E., Malaka D., Akpala C., Brancati F., Bass E. Comparative Effectiveness and Safety of Oral Diabetes Medications for Adults with Type 2 Diabetes. *Evid Rep Technol Assess (Summ)*. 2007 July. Available at: <http://effectivehealthcare.ahrq.gov/>.
3. Nicholson WK, Wilson LM, Witkop CT, Baptiste-Roberts K, Bennett WL, **Bolen S**, Barone BB, Golden SH, Gary TL, Neale DM, Bass EB. Therapeutic Management, Delivery, and Postpartum Risk Assessment and Screening in Gestational Diabetes. Evidence Report/Technology Assessment No. 162 (Prepared by Johns Hopkins Evidence-based Practice Center under Contract No.

290-02-0018.) AHRQ Publication No. 08-E004. Rockville, MD: Agency for Healthcare Research and Quality. March 2008. Available at:
<http://www.ahrq.gov/downloads/pub/evidence/pdf/gestdiabetes/gestdiab.pdf>

4. Qayyum R, Wilson LM, **Bolen S**, Maruthur N, Marinopoulos SS, Feldman L, Ranasinghe P, Amer M, Bass EB. Comparative Effectiveness, Safety, and Indications of Insulin Analogues in Premixed Formulations for Adults with Type 2 Diabetes. (Prepared by the Johns Hopkins University Evidence-based Practice Center under Contract No. 290-02-0018.) Rockville, MD: Agency for Healthcare Research and Quality. Available at:
www.effectivehealthcare.ahrq.gov/reports/final.cfm (Accepted at AHRQ)

Peer-Reviewed Published Abstracts:

1. **Goldenberg S.D.**, DeLuca J., Sacajiu G., Paccione G. Effect of Reminder Calls on New Patient Appointment Adherence. *J Gen Intern Med.* 2003 April; 18 (s1):131-32.
2. **Bolen S.**, Samuels A., Yeh J., Marinopoulos S., McGuire M., Abuid M., Brancati F. Intensification of Antihypertensive Medications in Diabetic Adults: Barriers and Promoters. *Diabetes* 2006 June; 55 (s1): A268.
3. **Bolen S.**, Vassy J., Wilson L., Yeh H.C., Marinopoulos S., Feldman L., Wiley C., Wilson R., Selvin E., Bass E.B., Brancati F.L. Are More Expensive, Newer Oral Diabetes Medications Better Than Less Expensive, Older Medications? *J Gen Intern Med*, 2007 April; 22 (s1): 43.
4. Feldman L., **Bolen S.**, Marinopoulos S., Wilson L., Wiley C., Yeh H.C., Vassy J., Wilson R., Selvin E., Brancati F.L., Bass E.B. Are Newer Oral Diabetes Medications Safer Than Older Agents? *J Gen Intern Med*, 2007 April; 22 (s1): 43.
5. Wiley C., **Bolen S.**, Wilson L., Wilson R., Yeh H.C., Vassy J., Feldman L., Marinopoulos S., Selvin E., Bass E.B., Brancati F.L. The More The Better? A Comparison of Oral Diabetes Medication Costs in Relation to Their Effects on Hemoglobin A1c? *J Gen Intern Med*, 2007 April; 22 (s1): 41.
6. Maruthur N.M., **Bolen S.**, Brancati F.L., Clark J.M. Does Obesity Decrease Screening for Cervical Cancer? *J Gen Intern Med*, 2007 April; 22 (s1): 103.
7. Maruthur N.M., **Bolen S.**, Brancati F.L., Clark J.M. Does Obesity Decrease Screening for Breast Cancer? *J Gen Intern Med*, 2007 April; 22 (s1): 166.

8. Bricker E., **Bolen S.**, Samuels A., Yeh H.C., Marinopoulos S., Brancati F.L. Failure to Intensify Oral Antidiabetic Medications in Primary Care. Diabetes 2007 June; 56 (s1).

Extramural Sponsorship

Contracts:

1. Johns Hopkins University Evidence-based Practice Center II, Contract #290-02-0018. Supported by the Agency for Healthcare Research and Quality; Project period: 9/20/02-9/19/07; P.I.: Eric B. Bass, M.D.; Estimated Total Cost: \$1,436,112; Annual Direct Costs: on individual contract basis (see below for our individual contract). The mission of the Evidence-based Practice Center is to conduct systematic reviews and syntheses of scientific information about important clinical topics.
 - a. Evidence Report on Comparative Effectiveness of Oral Diabetes Medications for Adults with Type 2 Diabetes. Project period: 09/01/2005 – 06/31/2006; P.I.: Fred Brancati, M.D.; **My role:** Co-Investigator, 50% effort; Total costs: \$250,000.
 - b. Evidence Report on Gestational Diabetes: Labor Management and Post-Partum Follow-up. Project period: 12/01/2006 – 11/31/2007; P.I.: Wanda Nicholson, M.D.; **My role:** Co-Investigator, 10% effort; Total costs: \$250,000.
 - c. Evidence Report on Comparative Effectiveness of Pre-mixed Insulin Analogues for Adults with Type 2 Diabetes. Project period: 07/01/07– 04/31/2008; P.I.: Rehan Qayyum, M.D.; **My role:** Co-Investigator, 10% effort; Total costs: \$300,000.
 - d. Evidence Report on Comparative Effectiveness and Safety of Oral Diabetes Medications for Adults with Type 2 Diabetes (update) and Comparative Effectiveness and Safety of Second Line Agents for Adults with Type 2 Diabetes. Project period: 07/01/09-12/31/2009. PI: Wendy Bennet, MD, MPH; My role: Co-investigator, 10% effort; Total costs: \$500,000.
2. An Analysis of Utilization and Cost of Obesity Treatment Among Insured Populations: Patterns of Bariatric Surgery, Pharmaceutical Use, and Other Services Within Several Large Blue Cross Blue Shield Plans. Planned project period: 09/01/2005-7/31/2007; P.I. Jonathon Weiner, PhD; **My role:** Co-Investigator: 15% effort. Total cost: \$175,000.
3. NIH Loan Repayment Program. Period: 2004-2007.

Grants:

1. T32 NRSA training grant (research fellowship). Period: 2003-2005
2. R25T NCI training grant (practice-based research network fellowship). Period: 2008-2009

3. T32 NRSA training grant (KL2 scholar). Period: 2009-present

EDUCATIONAL ACTIVITIES

Teaching

Classroom Instruction:

- 2005 Lecturer on hypertension, for the OB/GYN residency program
Johns Hopkins Hospital
- 2005-2006 Introduction to Common Statistical Concepts for first year internal
medicine interns, Small Group Instructor/Invited lecturer
Bayview Hospital
- 2005-2006 Small Group Instructor, *Clinical Epidemiology* for first year
medical students
Johns Hopkins School of Medicine
- 2006-2007 Small Group Instructor, *Mind-Body Medicine: Self Care for
Physicians*. Selective for first and second year medical students.
Johns Hopkins School of Medicine
- 2009 Lecturer on systematic reviews, for Clinical Research Scholars
Program (CRSP)
Case Western Reserve University

Clinical Instruction:

- 2003-2005 Teaching Attending
Internal Medicine Residency Program, Harbor Hospital, Baltimore, MD
Taught medical students, interns and residents on the inpatient general
medicine wards for one month per year.
- 2003-2005 Senior Clinical Fellow, Medicine Consultation Service
The Johns Hopkins Hospital
Taught and supervised medical students, interns, & residents while
consulting on hospitalized patients for one month per year.
- 2005 Facilitator, 2nd-year Medical Student AIME (An Integrated
Medical Encounter) Course
Taught the integration of communication and clinical reasoning
skills in clinical encounters. One afternoon a month for 6 months.
- 2009-present Preceptor at outpatient general medicine clinic, 2 half days/month
MetroHealth Hospital, Cleveland, OH

Workshops/seminars:

- 2005-2006 Workshop, Society of General Internal Medicine: National Meeting
New Orleans, Louisiana and San Francisco, California
“Roadmap to Choosing and Understanding Statistical Tests”
Windish D, **Bolen S**, Bass E, Miller E
- 2009 Workshop, Society of General Internal Medicine: National Meeting
Miami, Florida
“Sound Systematic Reviews on a Shoestring”
Bass E, Chang S, Qayyum R, Segal J, **Bolen S**.

CLINICAL ACTIVITIES

Certifications

Medical Licensure	2008	State of Ohio(active)
	2007	State of Massachusetts (inactive)
	2003	State of Maryland (inactive)
	2002	State of New York (inactive)
Board Certification	2003	American Board of Internal Medicine

ORGANIZATIONAL ACTIVITIES

Administrative Activities

- 2004 - 2005 Conference Organizer, General Internal Medicine Fellows’ Noon
Conference Series. Johns Hopkins Hospital.

Editorial Activities

Journal Peer Reviewer:

- 2004-present *Journal of General Internal Medicine*
- 2006-present *Annals of Internal Medicine* – Invited peer reviews
- 2006-present *Diabetes Care*

Professional Memberships and Societies:

- 2001 – present Society of General Internal Medicine: Member
- 1999 – 2007 American Medical Association: Member

RECOGNITION

Honors/Awards

- 1995 Ohio State University Distinguished Tutor Award – One of several tutors chosen to receive an award for excellence in tutoring undergraduate Algebra.
- 2000 Community Service Award – One of two medical students chosen to receive a community service award for teaching underserved elementary school children

about health and international cooking in a summer school program called Cities in Schools.

2003 Outstanding Resident Award – An award given each year to one resident from each firm of 30 residents for outstanding clinical and teaching expertise.

OTHER PROFESSIONAL EXPERIENCES

- 1996-1998 S.M.A.R.T.-Sexual Maturation and Responsible Thinking
Co-chair of a program in which medical students discuss sexuality with seventh graders in the public school system.
- 1997 Ecuador Summer Project
Worked at two hospitals as a medical student and helped an underserved community near Quito establish a clean water supply.
- 2001 - 2007 Human Rights Clinic
Volunteer through Doctors of the World to document evidence of physical and emotional torture for illegal immigrants and testify in court on their behalf.
- 2003 Teaching Attending at Mbarara Hospital in Uganda for one month. Provided general medical care and taught general medicine fellows, medical students, and interns daily on a general medicine floor for one month. Patients mainly had infectious diseases such as HIV, TB, and malaria.