

# Brian Quaranto

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## EDUCATION

2013 - Present M.D., expected May 2017  
State University of New York at Buffalo  
School of Medicine and Biomedical Sciences  
Buffalo, NY

2007 - 2011 B.S., Majors: Biology & Philosophy  
Boston College  
College of Arts and Sciences  
Chestnut Hill, MA

## RESEARCH EXPERIENCE

2010 - 2013 **Research Analyst**  
DeltaQuest Foundation  
Concord, MA

- Investigated novel concepts (cognitive reserve, altruism, and response shift) in self-reported quality-of-life measurement using statistical methods in lumbar spine surgery and multiple sclerosis patient cohorts.
- Other roles included grant preparation, data management, data visualization, and qualitative data coding.

2009 - 2010 **Clinical Research Assistant**  
Foundation for Orthopedic Spine Research  
Boston, MA

- Recruited and tracked patients undergoing spinal decompression surgery into a prospective health-related quality of life registry study.
- Abstracted clinical data from medical records including operative and imaging reports, assisted with IRB forms and adherence to study protocols.

## PUBLICATIONS

### A. Original Articles

1. **Active cognitive reserve influences the atrophy cognition link in multiple sclerosis**  
Booth AJ, Rodgers JD, Schwartz CE, **Quaranto BR**, Weinstock-Guttman B, Zivadinov R, Benedict RHB. *Journal of the International Neuropsychological Society* 2013, 19:10(1128-1133) 2013. [DOI]
2. **Fluctuations in appraisal over time in the context of stable versus non-stable health**  
Schwartz CE, **Quaranto BR**, Rapkin BD, Vollmer T, Sprangers MAG. *Quality of Life Research* 2013, 23:1(9-19). [DOI]
3. **Cognitive reserve and symptom experience in multiple sclerosis: A buffer to disability progression over time?**  
Schwartz CE, **Quaranto BR**, Healy B, Benedict RHB, Vollmer T. *Archives of Physical Medicine and Rehabilitation* 2013, 94:10(1971-1981). [DOI]
4. **Changing values, changing outcomes: The influence of reprioritization response shift on the measurement of outcome of spinal surgery**  
Schwartz CE, Sajobi TT, Lix LM, **Quaranto BR**, Finkelstein JA. *Quality of Life Research* 2013, 22:9(2255-2264). [DOI]
5. **Factors associated with openness to research participation in an aging community: The importance of technophilia and social cohesion**  
Steinerman JR, Lipton RB, Rapkin BD, **Quaranto BR**, Schwartz CE. *Gerontechnology* 2013, 11:4(504-512). [DOI]
6. **Threats to the internal validity of spinal surgery outcome assessment: Recalibration response shift or implicit theories of change?**  
Finkelstein JA, **Quaranto BR**, Schwartz CE. *Applied Research in Quality of Life* 2013, e-pub ahead of print. [DOI]

7. **Altruism and health outcomes in multiple sclerosis: The effect of cognitive reserve**

Schwartz CE, **Quaranto BR**, Healy B, Benedict RHB, Vollmer T. *Journal of Positive Psychology* 2013 8:2(144-152). [DOI]

8. **Cognitive reserve and patient reported outcomes in multiple sclerosis**

Schwartz CE, Snook E, **Quaranto BR**, Benedict RHB, Rapkin BD, Vollmer T. *Multiple Sclerosis Journal*, 2013 19:1(87-105). [DOI]

9. **Cognitive reserve and appraisal in multiple sclerosis**

Schwartz CE, Snook E, **Quaranto BR**, Benedict RHB, Rapkin BD, Vollmer T. *Multiple Sclerosis and Related Disorders*, 2013 2:1(36-44). [DOI]

10. **The symptom inventory disability-specific short-forms for multiple sclerosis: Construct validity, responsiveness, and interpretation**

Schwartz CE, Bode RK, **Quaranto BR**, Vollmer T. *Archives of Physical Medicine and Rehabilitation*, 2012 93:9(1617-1628). [DOI]

11. **Doing good, feeling good, and having more: Resources mediate the health benefits of altruism differently for males and females with lumbar spine disorders**

Schwartz CE, **Quaranto BR**, Bode RK, Finkelstein JA, Glazer PA, Sprangers MAG. *Applied Research in Quality of Life*, 2012 7:2(1-17). [DOI]

12. **Relevance of lifestyle and attitudinal factors to spine surgery outcomes: Empirical results on a heterogeneous sample**

Schwartz CE, **Quaranto BR**, Samaha E, Kahn-Woods M, Glazer PA. *Surgical Science*, 2011 1:2(121-126). [DOI]

**B. Manuscripts under review or in preparation for peer-reviewed publication**

1. **A comparison of imputation methods for response shift detection in incomplete longitudinal data: An example from an orthopedic population**

Sajobi TT, Lix LM, Schwartz CE, **Quaranto BR**, Finkelstein JA. (Under review, *Health and Quality of Life Outcomes*)

**C. Book Chapters**

1. **Altruism and health: Theoretical perspectives**

Schwartz CE, **Quaranto BR**, Grey K. In: Efklides, A. and Moraitou, D. (Eds.) *A Positive Psychology Perspective on Quality of Life*. 2013, Springer Netherlands, pp. 107-124.

**D. Abstracts**

1. **Improving the scoring of legacy tools using modern psychometrics: A study of longitudinal responsiveness in the performance scales multiple sclerosis**

**Quaranto BR**, Bode R, Vollmer T, Schwartz, CE. International Society for Quality of Life Research (ISOQOL) Conference 2013, Orlando, FL, USA

2. **Cognitive reserve: An important emerging construct for quality-of-life research**

Schwartz CE, Vollmer T, Rapkin BD, Snook E, **Quaranto BR**. International Society for Quality of Life Research (ISOQOL) Conference 2012, Budapest, Hungary

3. **Changing values, changing outcomes: The influence of reprioritization response shift on outcome assessment after spine surgery**

Schwartz CE, Sajobi TT, Lix LM, **Quaranto BR**, Finkelstein JA. International Society for Quality of Life Research (ISOQOL) Conference 2012, Budapest, Hungary

4. **Cognitive reserve and symptom experience in multiple sclerosis: A buffer to disability progression over time?**

**Quaranto BR**, Healy B, Vollmer T, Benedict RHB, Schwartz CE. European Committee on Treatment and Research in Multiple Sclerosis (ECTRIMS) Conference 2012, Lyon, France.

5. **Response shift in people awaiting spine surgery: Investigating quality of life using mixed methods**

Finkelstein J, Kallen M, **Quaranto BR**, Rapkin BD, Schwartz CE. International Society for Quality of Life Research (ISOQOL) Conference 2011, Denver, CO, USA.

6. **Significant explained variance in spine surgery outcomes by novel behavioral and attitudinal factors**

Glazer PA, Schwartz CE, **Quaranto BR**. American Academy of Orthopaedic Surgeons Conference 2010, New Orleans, LA, USA.

## CLINICAL EXPERIENCE

2011 - 2013

### Medical Scribe Trainer

ScribesSTAT, Inc.

Boston, MA

- *Became skilled in documenting patient encounters and medical examinations in real-time in an urban Level I trauma center.*
- *Promoted to the role of Medical Scribe Trainer, responsible for instructing new hires on medical terminology and on efficiency using electronic medical records.*

## SERVICE LEARNING EXPERIENCE

2013 - Present

### Lighthouse Clinic

Buffalo, NY

2010 - 2011

### Appalachia Volunteers of Boston College, Trip Leader

Lynchburg, SC

2009 - 2010

### Arrupe International Solidarity Program

Santa Anita La Union, Guatemala

2008 - 2009

### Appalachia Volunteers of Boston College

Roanoke, VA

2008 - 2009

### Symphony Shared Living, Resident Assistant

Boston, MA

## EXTRACURRICULAR ACTIVITIES

2014 - 2015

Vice President for Legislation and Policy, University at Buffalo American Medical Association Chapter

Co-President, University at Buffalo Surgery Interest Group

Treasurer, University at Buffalo Physicians for Human Rights

2013 - 2014

University at Buffalo SMBS Curriculum Retreat, Service Learning Working Group

Pilot MS1 Ultrasound Elective, Erie County Medical Center, Department of Emergency Medicine

Robotic Surgeon Training Program Research Participant, Roswell Park Cancer Institute

Member, Seigel Teaching Awards Committee

2013 - Present

University at Buffalo Association for Premedical Students, Premed Mentoring Initiative

University at Buffalo Surgery Interest Group

University at Buffalo Emergency Medicine Student Association

University at Buffalo Physicians for Human Rights

American Medical Association

## PROGRAMMING LANGUAGES / COMPUTER SKILLS

Most experience with: Stata, HTML, CSS, Excel, git

Some experience with: SPSS, Ruby, Rails, bash, Java, Javascript

Currently learning: R, D3.js

Available online @ [bquarant.github.io/cv](https://bquarant.github.io/cv)

Last update: 3/12/2014