

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, e-pub ahead of print. [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, e-pub ahead of print. [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

University at Buffalo SMBS Curriculum Retreat - Public Health Focus Group, 2014

Robotic Surgeon Training Program (Research Participant), Roswell Park Cancer Institute, 2013-14

MS1 Ultrasound Elective, Erie County Medical Center, Department of Emergency Medicine, Fall 2013

University at Buffalo Association for Premedical Students, Premed Mentoring Initiative, 2013-14

University at Buffalo Surgery Interest Group, 2013-14

University at Buffalo Emergency Medicine Student Association, 2013-14

University at Buffalo Physicians for Human Rights, 2013-14

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

Last update: 1/19/2014