

# JESSICA M. TULLAR

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## CURRENT POSITION

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2008-present University of Texas-Health Science Center School of Public Health  
Houston, TX

*Faculty Associate - Institute for Health Policy*

*Epidemiologist -Health of Houston Survey 2018*

- Performed a breadth of analyses including weighted survey data and qualitative analyses.
- Created and interactive dashboard with mapping for stakeholders to be able to interact with the data.

*Principle Investigator- New Year New You Innovation Project*

- Managed administrative staff and resources to meet project goals.
- Designed and presented analyses to UT System Office of Employee Benefits and wellness representatives from across the UT System.
- Performed complicated analyses including integrating datasets from multiple sources and analyzing medical claims codes.
- Created interactive dashboard for UT System Office of Employee Benefits use integrating claims, eligibility and health assessment administrative databases.

*Epidemiologist -Health of Houston Survey 2010*

- Designed questionnaire using existing measures and creating novel questions to match stakeholders' interests.
- Designed and coordinated a network of stakeholders and community groups as future users for the Health of Houston Survey data.
- Performed a breadth of analyses including weighted survey data and qualitative analyses.
- Presented Health of Houston survey methods and results to diverse audiences from community health workers to civic associations.

*Project Manager -Sacred Vocation Program*

- Managed graduate research assistant to provide data management and reports to Dallas Hospital Client.

## EDUCATION

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2004-2008 University of Texas-Health Science Center School of Public Health  
Houston, TX

Ph.D., Epidemiology

- Concentrations: Epidemiology, Behavioral Sciences and Biostatistics
- Dissertation: An Epidemiologic Evaluation of a Worksite Intervention

2002-2003 University of Texas-Health Science Center School of Public Health  
Houston, TX

M.P.H., Occupational/Environmental Health.

- Concentrations: Epidemiology and Biostatistics
- Thesis: Direct Observation of the Computer Workplace Risk Factors of College Students

1997-2001 Rice University Houston, TX  
B.A., Biological Sciences.

## FORMER POSITIONS

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2004-2008 University of Texas-Health Science Center School of Public Health  
Houston, TX

*Occupational Injury Prevention Fellow*

*Southwest Center for Occupational and Environmental Health*

- Designed, coordinated and implemented an extensive worksite intervention among more than 300 employees across multiple settings and job groups (hospitals, community clinics, and medical residencies).
- Designed research protocols to evaluate worksite intervention using longitudinal multi-measurement methods (employer data, self-reported questionnaires and qualitative interviews).
- Performed a range of multivariate multilevel analyses including multilevel linear, logistic, survival regression, and ordinal confirmatory factor analysis.
- Led an international multi-disciplinary research team of ten investigators in a systematic review of occupational injury prevention interventions encompassing more than 8,000 articles.
- Presented research methods and findings in diverse settings ranging from academic conferences to lay audiences.
- Collaborated in the preparation of grant proposals including budgets, goals and justifications that led to more than \$450,000 of funding.

2007-2008 Self-employed Houston, TX

*TrailStat Systematic Review Software Consultant*

- Advised clients on how to streamline systematic review procedures.
- Created forms for online management of Systematic Reviews.
- Managed article tracking and uploading for large projects.

Fall 2006 University of Texas-Health Science Center School of Public Health  
Houston, TX

*Interim Project Director, Sacred Vocation Program*

*Southwest Center for Occupational and Environmental Health*

- Hired and trained personnel (graduate assistants and project directors).
- Marketed the Sacred Vocation Program to potential funders and clients.

Fall 2003      University of Texas-Health Science Center School of Public Health  
Houston, TX

*Teaching Assistant*

*Behavioral Aspects of Occupational/Environmental Health*

- Managed class website.
- Advised and tutored students.
- Coordinated reading assignments.

Fall 2003      University of Texas-Health Science Center School of Public Health  
Houston, TX

*Graduate Research Assistant*

*Behavioral Science Department*

- Managed department website.
- Assisted with preparing publications and grants.

2001-2002      Brigham and Women's Hospital      Boston, MA

*Research Assistant*

- Prepared articles for publication.
- Coordinated data collection.
- Consulted on research study design.

#### RESEARCH SKILLS

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- Extensive knowledge of Stata.
- Experience with SPSS, SAS, InstantAtlas, MIWin, and Tableau
- Experience designing online and scannable questionnaires.

#### MANUSCRIPT REVIEWER

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Journal of Occupational and Environmental Medicine  
Health Care Management Review  
International Journal of Nursing Studies  
Journal of Applied Ergonomics

## PUBLICATIONS

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### Peer-reviewed

**Tullar Jessica M.**, Walker Timothy J., Page Timothy F., Taylor Wendell C., Roman Rolando, Amick III Benjamin C. *Evaluation of a Worksite-Based Small Group Team Challenge to Increase Physical Activity*. American Journal of Health Promotion, 2019, Vol 33 (2), pp. 259-266.

Caroom, Cyrus, Moore Dustin, Mudaliar Nithya, Winkler Craig, Murphree Jefferson, Ratheal Ian, Fry Michael, Jenkins Mark, **Tullar Jessica M.**, and Hamood Abdul. *Intravound vancomycin powder reduces bacterial load in contaminated open fracture model*. Journal of orthopaedic trauma, 2018 Vol 32 (10), pp. 538-541.

Walker Timothy J, **Tullar Jessica M**, Taylor Wendell C, Roman Rolando, Amick III Benjamin C. *How do Stages of Change for Physical Activity Relate to Employee Sign-up for and Completion of a Worksite Physical Activity Competition?* Health Promotion Practice, 2017, Vol 18 (1), pp.93-101.

Walker, Timothy J., **Tullar Jessica M.**, Diamond Pamela M., Kohl III Harold W., & Amick III Benjamin C. *Validity and reliability of the 8-item work limitations questionnaire*. Journal of occupational rehabilitation, 2017, Vol 27(4), pp. 576-583.

Walker, Timothy J., **Tullar Jessica M.**, Diamond Pamela M., Kohl III Harold W., Amick III Benjamin C. *The Association of Self-Reported Aerobic Physical Activity, Muscle Strengthening Physical Activity, and Stretching Behavior with Presenteeism*. Journal of occupational and environmental medicine, 2017 Vol 59 (5), pp. 474.

**Tullar Jessica M**, Amick III Benjamin C, Brewer Shelley, Diamond Pamela M, Kelder Steven H, Mikhail Osama. *Improve Employee Engagment to Retain your Workforce*. Healthcare Management Review 2016, Vol 41(4), pp. 316-324.

Van Eerd Dwayne, Munhall Claire, Irvin Emma, Rempel David, Brewer Shelley, Van der Beek A.J., Dennerlein Jack T, **Tullar Jessica M**, Skivington Katherine, Pinion Clint and Amick III Benjamin C, 2015. *Effectiveness of workplace interventions in the prevention of upper extremity musculoskeletal disorders and symptoms: an update of the evidence*. Occupational and environmental medicine, 2015, pp.oemed-2015.

Marko, Dritana, Linder Stephen H, **Tullar Jessica M**, Reynolds Thomas F, Estes Larissa J. *Predictors of serious psychological distress in an urban population*. Community Mental Health Journal, 2014, pp. 1-7.

Caroom Cyrus, **Tullar Jessica**, Benton Jr. Edward Garrison, Jones Jason, Chaput Christopher D. *Intravound Vancomycin Powder Reduces Surgical Site Infections in Posterior Cervical Fusion*. Spine, 2013 Vol 34 (14), pp. 1183-1187.

**Tullar Jessica M**, Brewer Shelley, Amick III Benjamin C, Irvin Emma, Mahood Quenby, Pompeii Lisa, Wang Anna, Van Eerd Dwayne, Gimeno David, Evanoff Bradley. *Occupational Safety and Health Interventions to Reduce Musculoskeletal Symptoms in the Health Care Sector*. Journal of Occupational Rehabilitation, 2010 Vol 20, pp. 199-219.

Amick III Benjamin C, Brewer Shelley, **Tullar Jessica M**, Van Eerd Dwayne, Cole Donald, Tompa Emile. *Musculoskeletal Disorders Best Ergonomic Practices for Prevention*. Professional Safety, 2009 Vol 54 (3), pp. 24-8.

**Tullar Jessica**, Amick III Benjamin C, Roberston Michelle, Coley Christopher M, Hupert Nathaniel, Jenkins Mark, Katz Jeffrey N. *Direct observation of computer workstation risk factors among college students*. *Work: A Journal of Prevention, Assessment, and Rehabilitation*, 2007 Vol 28 (1), pp.77-83.

Jenkins Mark, Chaumont Menéndez, Cammie, Amick III Benjamin C, Robertson Michelle M, Hupert Nathaniel, **Tullar Jessica**, Katz Jeffrey N. *Undergraduate college students' upper extremity symptoms and functional limitations related to computer use: A replication study*. *Work: A Journal of Prevention, Assessment, and Rehabilitation*, 2007 Vol 28 (3), pp.231-8.

**Tullar JM**, Katz JN, Wright EA, Fossil AH, Phillips CB, Maher NE, Losina E. *Effect of handwritten, hand-stamped envelopes on response rate in a followup study of hip replacement patients*. *Arthritis Rheum*, 2004 Jun 15; Vol. 51 (3), pp. 501-4.

Katz Jeffrey N, Losina Elena, Baron John A, Mahomed Nizar N, Poss Robert, Harris William H, Lew Robert A, Phillips Charlotte B, Fossil Anne H, Maher Nancy, and **Tullar Jessica**. *Volumes and Outcomes of Orthopaedic Procedures: Scientific and Policy Considerations*, (letter to the editor published online by JBJS 28 February 2002).

### **Reports and Presentations:**

Caroom Cyrus, Chaput Christopher D., **Tullar Jessica**, Jones Jason. *Reduced Surgical Site Infections in Patients with Cervical Spondylotic Myelopathy Undergoing Posterior Cervical Instrumented Fusion Using Vancomycin Powder and Chlorhexadine Skin Preparation*. *The Spine Journal* 12, no. 9 (2012): S80.

**Tullar Jessica** , Marko Dritana, Estes Larissa, Reynolds Thomas F, Linder Stephen H. (October 2011) *Creating an informed network of community partners: Health of Houston Survey 2010*. Healthy Communities Promote Healthy Minds and Bodies: American Public Health Association, Washington D.C.

Estes Larissa, **Tullar Jessica** , Marko Dritana, Reynolds Thomas F, Linder Stephen H. (October 2011) *Mental health status and access among adults in the greater Houston area*. Healthy Communities Promote Healthy Minds and Bodies: American Public Health Association, Washington D.C.

Amick III Benjamin C, **Tullar Jessica** (April 23 2010) *Creating a High Engagement Work Environment in a Hospital: Mental Health is Part of a Winning Combination*. *The Mental Health of Health Care Workers: Identifying Problems, Finding Solutions*, Toronto, Ontario.

Brewer Shelley, **Tullar Jessica**, Amick III Benjamin C (September 2009) *Using Employer Records –Pitfalls and Opportunities*. Use of Worker's Compensation Data for Occupational Injury and Illness Prevention: Department of Health and Human Services, Washington D.C.

**Tullar Jessica**, Brewer Shelley, Irvin Emma, Mahood Quenby, Pompeii Lisa, Wang Anna, Van Eerd Dwayne, Gimeno David, Evanoff Bradley, Amick III Benjamin C (October 2008). *Interventions in Healthcare Settings to Protect Musculoskeletal Health: A Systematic Review*. NOIRS, Pittsburgh, PA.

Brewer Shelley, King Eden, Spear Jerome, Lee Linda, Lewis Cindy, Irvin Emma, Mahood Quenby, Delclos George, Williams Renee, Gimeno David, Tetrick Lois **Tullar Jessica**, Amick III Benjamin C (October 2008). *Workplace Injury/Illness Prevention and Loss Control Programs (IPCs): A Systematic Review*. NOIRS, Pittsburgh, PA.

**Tullar Jessica**, Brewer Shelley, Harrist Ronald B, Amick III Benjamin C (October 2008) *The Effect of the Sacred Vocation Program on Injury: A Controlled Longitudinal Evaluation in a Hospital*. NOIRS, Pittsburgh, PA.

**Tullar Jessica** (December 2007). *Methodological Issues with using Employer Records for Epidemiological Research*. Epidemiology Seminar, Houston, TX.

Amick III Benjamin C., **Tullar Jessica**, Brewer Shelley, Irvin Emma, Mahood Quenby, Pompeii Lisa, Wang Anna, Van Eerd Dwayne, Gimeno David, Evanoff Bradley (August 2007). *Systematic review of interventions to reduce musculoskeletal disorders in the health care sector*. PREMUS, Boston, MA.

Amick III Benjamin C., **Tullar Jessica**, Brewer Shelley, Irvin Emma, Mahood Quenby, Pompeii Lisa, Wang Anna, Van Eerd Dwayne, Gimeno David, Evanoff Bradley (December 2006). *Interventions in health-care settings to protect musculoskeletal health: a systematic review*. Institute for Work & Health, Toronto, ON.

**Tullar Jessica** (June 2006). *An Injury Prevention Intervention Among Nursing Home Patient Care Staff: Qualitative Evaluation of Outcome Measures*. NIOSH Pilot Program Presentations, Houston, TX.

**Tullar Jessica**, Amick III Benjamin C, Roberston Michelle, Coley Christopher M, Hupert Nathaniel, Jenkins Mark, Katz Jeffrey N (2004). *Computing workplace risk factors for college students*. In Lawrence Schulze (Ed.), Proceedings of the 17th International Occupational Ergonomics and Safety Conference: Building Bridges to Healthy Workplaces ISOES, Houston, TX.

Amick III Benjamin C, Robertson Michelle, **Tullar Jessica**, Fossel Anne, Coley Christopher M, Hupert Nathaniel, Jenkins Mark, Katz Jeffery N (2004). *Regular and binge computing and college student health*. In Lawrence Schulze (Ed.), Proceedings of the 17th International Occupational Ergonomics and Safety Conference: Building Bridges to Healthy Workplaces ISOES, Houston, TX.

#### GRANTS AND FELLOWSHIPS

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NIOSH Pilot Projects Grant: *A psychometric evaluation of outcome measures from an intervention to reduce injuries among nursing home patient care staff* (2005) \$7,450.

NIOSH Occupational Injury Prevention Fellowship 2004-2008 \$30,000 annually.