



Jeffrey T. Howard, PhD
Curriculum Vitae
jeffrey.howard@utsa.edu

Current Position and Contact Information:

Assistant Professor, Department of Public Health
Lead Researcher, Consequences of Trauma Working Group,
Center for Community-Based and Applied Health Research
College for Health, Community and Policy (HCaP)
University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249
Email: jeffrey.howard@utsa.edu

1. Education

2014-2016 Postdoctoral Research Fellow in Epidemiology and Biostatistics
Oak Ridge Institute for Science and Education (ORISE)
Epidemiology and Biostatistics Department - US Army Institute of Surgical Research
2014 Ph.D. in Applied Demography, University of Texas at San Antonio
Specialization in Applied Statistics and Population Health
1996 M.A. in Sociology, University of Texas at Arlington
1992 B.A. in Sociology, University of Texas at Arlington

2. Professional Employment History

2018-current **Assistant Professor** – University of Texas at San Antonio
2020-current **Adjunct Assistant Professor** – University of Texas School of Public Health, San Antonio
2020-current **Affiliated Faculty** – Translational Science Program, University of Texas Health, San Antonio, Graduate School of Biomedical Sciences
2018-current **Adjunct Assistant Professor** – University of Nebraska Medical Center
Department of Anesthesiology
2016-2018 **General Health Scientist/Epidemiologist (DB-0601-03)** - US Department of Defense, Defense Health Agency Combat Support, Joint Trauma System
2014-2016 Postdoctoral Research Fellow – US Department of Defense Joint Trauma System and Institute of Surgical Research
2014 **Lecturer** - University of Texas at San Antonio – Department of Demography
2013 **Lecturer** - Texas State University – Department of Psychology
2013-2019 **Adjunct Research Biostatistician** – UT Southwestern Medical Center – Department of Orthopaedics
Pulmonary Embolism and Mortality Prediction Research Project
2011-2014 **Graduate Research Assistant** - University of Texas at San Antonio - Department of Demography
1995-2011 Business Statistician, Analytical Consultant, and Business Executive

Awards and Honors

2013 University of Texas Board of Regents, Jess Hay Chancellor's Fellowship - \$10,000 award
2013 UTSA Graduate School, Graduate Student Research Award - \$1,000 award
2012 Carlos and Malu Alvarez Graduate Research Fund and the College of Public Policy, University of Texas at San Antonio - \$500 travel grant
2012 Departmental Travel Award - \$750

3. Research/Scholarly/Creative Activities

Research Interests

Traumatic Injury and Chronic Disease Epidemiology; Accelerated Aging; Military/Veterans Health; Health Disparities; Mortality; Environmental Disaster and Climate Change Health Impacts; Statistical Methods

Research Impact Summary:

Total publications = 87
Total peer-reviewed articles = 68
Total peer-reviewed since 2016 = 54
First Author/Senior author peer-reviewed = 22
Total citations = 1295
H-index = 20 | i10-index = 31

Publications

*Student Coauthored

Refereed Articles

Under Review

1. Cordaro, M; Grigsby, TJ; **Howard, JT**; Deason, RG; Haskard-Zolnierrek; Howard, KJ. (Under Review, 2020). Pandemic-Specific Factors Related to Generalized Anxiety Disorder During the Initial COVID-19 Protocols in the United States. *Journal of Anxiety Disorders* (**IF=3.47**)
2. Haynes, ZA; Collen, JF; Poltavskiy, EA; Walker, LE; Janak, JC; **Howard, JT**; Werner, JK; Wickwire, EM; Holley, AB; Zarzabal, LA; Sim, A; Gundlapalli, A; Stewart, IJ. (Under Review, 2020). Risk Factors of Insomnia Among Survivors of Traumatic Injury: A Retrospective Cohort Study. *Annals of Internal Medicine* (**IF=21.32**)
3. Walker, LE; Watrous, J; Poltavskiy, E; **Howard, JT**; Janak, JC; Pettey, W; Zarzabal, LA; Sim, A; Gundlapalli, A; Stewart, IJ. (Under Review, 2020). Longitudinal mental health outcomes of combat-injured service members. *Depression and Anxiety*. (**IF=4.70**)
4. Grigsby, TJ; **Howard, JT**; Deason, RG; Haskard-Zolnierrek, KB; Howard, KJ. (Under Review, 2020). Correlates of Pandemic-Related Increases in Sleep Aid and Anti-Anxiety Medication Use. *Public Health Reports*. (**IF=2.04**)
5. Howard, KJ; Grigsby, TJ; Haskard-Zolneirek, KB; Deason, RG; **Howard, JT**. (Under Review, 2020). Pandemic-Related Work Status Changes are Associated with Increases in Substance Use. *Addictive Behaviors*. (**IF=2.96**)
6. Grigsby, TJ; Howard, KJ; **Howard, JT**. (Under Review, 2020). Comparison of substance use estimates by age, gender, and ethnicity between two representative samples of the US population. *Social Psychiatry and Psychiatric Epidemiology*. (**IF=2.54**)
7. Bahmani, M; Babak, M; Land, WM; **Howard, JT**; Diekfuss, JA; Abdollahipour, R. (R&R, 2020). Children's motor imagery ability modulates the role of attentional focus in motor skill learning. *Psychol Sport Exerc*. (**IF=1.93**)
8. Stewart, IJ; Poltavskiy, E; **Howard, JT**; Janak, JC; Pettey, W; Zarzabal, LA; Walker, LE; Beyer, C; Sim, A; Suo, Y; Redd, A; Chung, KK; Gundlapalli, A. (Accepted, 2020). The Enduring Consequences of Combat Trauma: A Legacy of Chronic Disease. *Journal of General Internal Medicine* (**IF=4.61**)
9. Cheever, K; **Howard, JT**; Kawata, K. (Accepted, 2020). Clinical changes in cervical neuromuscular control following subconcussive impacts. *Journal of Sport Rehabilitation* (**IF=0.94**)

Published

1. *Li, S; **Howard, JT**; Yin, Z; Estrada, V; Martinez, C; Parra-Medina, D. (2020). Machine Learning Approaches to Calibrate Wrist-Worn Accelerometry for Physical Activity Assessment in Preschoolers. *JMIR Formative Research* (IF=4.30)
2. Santos-Lozada, AR; **Howard, JT**; Verdery, AM. (2020). How differential privacy will affect our understanding of health disparities in the United States. *Proceedings of the National Academy of Science*. 117 (24) 13405-13412. (IF=9.58) (Altmetric=75, top 5% of all scientific articles)
3. Janak, JC; Mazuchowski, EL; Kotwal, RS; **Howard, JT**; Stockinger, ZT; Gurney, JM; Shackelford, SS. (2020). Establishing an Enduring Military Trauma Mortality Review: Misconceptions and Lessons Learned. *Journal of Trauma and Acute Care Surgery* 89 (2 Suppl): S16-S25. (IF=3.40)
4. **Howard, JT**. (2020). US Black-White Mortality Disparities: Still Unequal, Still Unjust. *American Journal of Public Health*. 110 (5): 615-616. (IF=5.38)
5. Kotwal, RS; Mazuchowski, EL; **Howard, JT**; Janak, JC; Montgomery, HR; Butler, FK; Holcomb, JB; Eastridge, BJ; Gurney, JM; Shackelford, SA. (2020). United States Special Operations Command Fatality Study of Subcommands, Units, and Trends. *Journal of Trauma and Acute Care Surgery* 89 (2 Suppl): S213-S224. (IF=3.40)
6. Graham, BA; Maness, TM; Johnson, GM; Gurney, JM; Shackelford, SA; **Howard, JT**; Janak, JC. (2020). How the Implementation of a Battlefield Clinical Practice Guideline Affects Documentation Practice and Informs Future Research Initiatives. *Military Medicine* (IF=0.91).
7. Redd, AM; Gundlapalli, AV; Suo, Y; Pettey, WB; Brignone, E; Chin, DL; Walker, LE; Poltavskiy, EA; Janak, JC; **Howard, JT**; Sosnov, JA; Stewart, IJ. (2020). Exploring Disparities in Awarding VA Service-Connected Disability for Post-Traumatic Stress Disorder for Active Duty Military Service Members from Recent Conflicts in Iraq and Afghanistan. *Military Medicine*. 185 (1 Suppl): 296-302. (IF=0.91)
8. Gundlapalli, AV; Redd, AM; Suo, Y; Pettey, WB; Brignone, E; Chin, DL; Walker, LE; Poltavskiy, EA; Janak, JC; **Howard, JT**; Sosnov, JA; Stewart, IJ. (2020). Predicting and planning for musculoskeletal service-connected disabilities in VA for active duty military service members from recent conflicts in Iraq and Afghanistan. *Military Medicine*. 185 (1 Suppl): 413-419. (IF=0.91)
9. **Howard, JT**; Howard, KJ. (2020). The effect of perceived stress on absenteeism and presenteeism in public school teachers. *Journal of Workplace Behavioral Health*. (IF=0.68)
10. Schlotman, TE; Suresh, DM; Koons, NJ; **Howard, JT**; Schiller, AM; Convertino, VA. (2020). Predictors of Hemodynamic Decompensation in Progressive Hypovolemia; Compensatory Reserve versus Heart Rate Variability. *Journal of Trauma and Acute Care Surgery* 89 (2 Suppl): S161-S168. (IF=3.40, Citations=1)
11. Mazuchowski, EL; Kotwal, RS; Janak, JC; **Howard, JT**; Harcke, HT; Montgomery, HR; Butler, FK; Holcomb, JB; Eastridge, BJ; Gurney, JM; Shackelford, SA; Kellermann, AL. (2020). Mortality Review of US Special Operations Command Battle-Injured Fatalities. *Journal of Trauma and Acute Care Surgery*. 88 (5): 686-695. (IF=3.40).
12. **Howard, JT**; Stewart, IJ; Kolaja, C; Sosnov, JA; Rull, R; Torres, I; Janak, JC; Walker, L; Trone, DW; Armenta, RF. (2020). Hypertension in Military Veterans Is Associated With Combat Exposure and Combat Injury. *Journal of Hypertension* 38 (7): 1293-1301. (IF=4.21, Citations=1)

13. Suresh, M; Rizzo, J; Sosnov, JA; Stacey, W; **Howard, JT**; Tercero, J; Babcock, E; Stewart, IJ. (2020). Assessing the NephroCheck® Test System in predicting the risk of death or dialysis in burn patients. *Journal of Burn Care and Research*. 41 (3): 633-639. (**IF=1.92**)
14. Howard, KJ; Snyder, M; Haskard-Zolnierrek, K; **Howard, JT**. (2019). Central Sensitization Syndrome and Hypothyroidism: An Evaluation of Symptom Severity and Comorbid Diagnoses. *Spotlight on Health Science Research*.
15. Beyer, CA; Portavskiy, E; Walker, LE; Pettey, W; Suo, Y; Redd, A; Rittel, AG; Kazanis, W; Dunham, JR; Zarzabal, LA; Workman, ER; Rutter, WC; Sim, A; Watrous, JR; **Howard, JT**; Janak, JC; Stewart, IJ; Gundlapalli, AV. (2019). Persistent Opioid Use After Combat Injury and Subsequent Long-term Risk of Abuse: A Retrospective Cohort Study. *Annals of Surgery* (**IF=9.48, Citations=1**)
16. Santos-Lozada, AR and **Howard, JT**. (2019). Estimates of excess deaths in Puerto Rico: Why Demography Matters. *American Journal of Public Health*. 109 (11): e23-e24. (**IF=5.38, Citations=1**)
17. Zhou, Z; Li, S; Lan, T; Yin, J; Fu, Q; Ren, H; Jin, T; Zhu, J; **Howard, JT**; Yin, Z. (2019). Impact on physical fitness of the Chinese CHAMPS: a clustered randomized controlled trial. *Intl Journal of Environmental Research and Public Health*. 16 (22): 4412 (**IF=2.47**)
18. Janak, JC; Mazuchowski, EL; Kotwal, RS; Stockinger, ZT; **Howard, JT**; Butler, FK; Sosnov, JA; Gurney, JM; Shackelford, SA. (2019). Patterns of Anatomic Injury in Critically Injured Combat Casualties: A Network Analysis. *Nature Scientific Reports*. 9 (1): 1-10. (**IF=4.53**)
19. Walker, LE; Poltavskiy, E; Janak, JC; Beyer, C; Stewart, IJ; **Howard, JT**. (2019). US Military Service and Racial/ethnic differences in cardiovascular disease: an analysis of the 2011-2016 Behavioral Risk Factor Surveillance System. *Ethnicity & Disease*. 29 (3): 1-14. (**IF=1.05, Citations=1**)
20. **Howard, JT** (2019). To Protect and Serve? New Data on Police-Related Deaths Reveal a Persistent American Dilemma. *American Journal of Public Health*. 109 (3): 349. (**IF=5.38**)
21. Yin, Z; Ullevig, S; Sosa, E; Liang, Y; Olmstead, T; **Howard, JT**; Errisuriz, V; Estrada, V; He, M; Small, S; Schoenmakers, C; Parra-Medina, D. (2019). Study protocol for a cluster randomized controlled trial to test “¡Miranos! Look at Us, We Are Healthy!” – An early childhood obesity prevention program. *BMC Pediatrics*. 19: 190-207. (**IF=2.04**)
22. Kotwal, RS; Mazuchowski, EL; Stern, CA; Montgomery, HR; Janak, JC; **Howard, JT**; Butler, FK; Holcomb, JB; Eastridge, BJ; Gurney, JM; Shackelford, SA. (2019). A descriptive study of US Special Operations Command fatalities, 2001-2018. *Journal of Trauma and Acute Care Surgery*. 87 (3): 645-657. (**IF=3.40, Citations=1**)
23. Zhu, Y; **Howard, JT**; Edsall, PR; Morris, RB; Lund, BJ; Cleland, JM. (2019). Blast Exposure Induces Ocular Functional Changes with Increasing Blast Over-pressures in a Rat Model. *Current Eye Research*. 44 (7): 770-780. (**IF=1.64**)
24. Bailey, JD; Fisher, AD; Yazer, MH; **Howard, JT**; Corley, JB; Miles, EA; Cap, AP. (2019). Changes in Donor Antibody Titer Levels Over Time in a Military Group O Low Titer Whole Blood Program. *Transfusion*. 59: 1499–1506 (**IF=3.42, Citations=9**)
25. **Howard, JT**; Kotwal, RS; Stern, CA; Janak, JC; Mazuchowski, EL; Stockinger, ZT; Holcomb, BR; Bono, RC; Smith, DJ. (2019). Use of Combat Casualty Care Data to Assess the US Military Trauma System During the

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- Afghanistan and Iraq Conflicts, 2001-2017. *JAMA Surgery*. 154 (7): 600-608. (**IF=13.6, Citations=29**) (**Altmetric=198, top 5% of all scientific articles**). (**Media coverage**: Texas Public Radio interview, Daily Mail, Stars and Stripes, HealthDay News).
26. Grigsby, TJ and **Howard, JT**. (2019). Prescription opioid misuse and comorbid substance use: Prevalence, patterns, correlates and co-occurring health indicators in the National Survey on Drug Use and Health. *American Journal on Addictions*. 28 (2): 111-118. (**IF=2.13, Citations=8**)
 27. Suresh, MR; Chung, KK; Schiller, AM; **Howard, JT**; Convertino, VA. (2019). Unmasking the Shock Continuum: The Compensatory Reserve. *Journal of Intensive Care Medicine*. 34 (9): 696-657. (**IF=3.26, Citations=3**)
 28. Faulk, T; Walker, LE; **Howard, JT**; Janak, JC; Sosnov, JA; Stewart, IJ. (2018). Rhabdomyolysis among critically ill combat casualties: Long-term outcomes. *American Journal of Nephrology*. 48(6): 399-405 (**IF=8.98, Citations=1**)
 29. Janak, JC; Clemens, MS; **Howard, JT**; Le, TD; Cancio, LC; Chung, KK; Gurney, JM; Sosnov, JA; Stewart, IJ. (2018). Using the Injury Severity Score to Adjust for Comorbid Trauma May be Double Counting Burns: Implications for Burn Research. *Burns*. 44 (8): 1920-1929 (**IF=1.95, Citations=9**)
 30. Santos-Lozada, AR and **Howard, JT**. (2018). Use of death counts from vital statistics to calculate excess deaths in Puerto Rico following Hurricane Maria. *JAMA*. 320(14): 1491-1493. (**IF=51.27, Citations=60**) (**Altmetric=705, top 1% of all scientific articles**). (**Extensive media coverage**: CNN, New York Times, Washington Post, Vox and many more; 15,568 views; 874 Downloads).
 31. Schiller, AM; **Howard, JT**; Magby, CG; Lye, K; Convertino, VA. (2018). Comparisons of Traditional Metabolic Markers and Compensatory Reserve as Early Predictors of Tolerance to Central Hypovolemia in Humans. *Shock*. 50(1): 71-77. (**IF=3.08, Citations=9**)
 32. **Howard, JT**; Sosnov, JA; Janak, JC; Chin, DL; Gundlapalli, AV; Pettey, WB; Walker, L; Stewart, IJ. (2018). Associations of Initial Injury Severity and PTSD Diagnoses with Long-Term Hypertension Risk Following Combat Injury. *Hypertension*. 71(5): 824-832. (**IF=7.02, Citations=15**) (**Altmetric=173, top 5% of all scientific articles**)
 33. Santos-Lozada, AR; **Howard, JT** (2018). Using Allostatic Load to validate self-rated health for racial/ethnic groups in the United States. *Biodemography and Social Biology*. 64(1): 1-14. (**IF=1.52**)
 34. Ferencz, SAE; Davidson, AJ; **Howard, JT**; Janak, JC; Sosnov, JA; Chung, KK; Stewart, IJ. (2018). Coagulopathy and Mortality in Combat Casualties: Do the Kidneys Play a Role? *Military Medicine*. 183(Suppl 1): 34-39. (**IF=0.91, Citations=1**)
 35. Wenner, MM; Hinds, K; **Howard, JT**; Nawn, CD; Stachenfeld, NS; Convertino, VA. (2018). Measurement of Compensatory Reserve Predicts Racial Differences in Tolerance to Simulated Hemorrhage. *Journal of Trauma and Acute Care Surgery*. 85 (1S): S77-S83. (**IF=3.40, Citations=1**)
 36. Kotwal, RS; Scott, LL; Janak, JC; Tarpey, BW; **Howard, JT**; Mazuchowski, EL; Shackelford, SA; Stockinger, ZT. (2018). The Effect of Prehospital Transport Time, Injury Severity, and Blood Transfusion on Survival of U.S. Military Casualties in Iraq. *Journal of Trauma and Acute Care Surgery*. 85 (1S): S112-S121. (**IF=3.40, Citations=19**)

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37. **Howard, JT**, Kotwal, RS, Santos-Lozada, AR, Martin, MJ, Stockinger, ZT. (2018). Re-examination of a Battlefield Trauma Golden Hour Policy. *Journal of Trauma Acute Care Surgery*. 84(1): 11-18. (**IF=3.40, Citations=48, Editor's Choice**)
 38. Shackelford, SA, del Junco, DJ, Powell-Dunford, N, Mazuchowski, E, **Howard, JT**, Kotwal, RS, Gurney, J, Butler, F, Gross, KR, Stockinger, ZS. (2017). Association of prehospital blood product transfusion during medical evacuation of combat casualties in Afghanistan with acute and 30-day survival. *JAMA*. 318(16): 1581-1591. (**IF=51.27, Citations=149**) (*Altmetric=178 top 5% of all research articles*)
 39. Stewart, IJ; Sosnov, JA; Snow, BD; Clemens, MS; Ross, JD; **Howard, JT**; Chung, KK. (2017). Hyperkalemia in combat casualties: implications for delayed evacuation. *Military Medicine*. 182(11). (**IF=0.91, Citations=4**)
 40. Davidson, AJ; Ferencz, SAE; Sosnov, JA; **Howard, JT**; Janak, JC; Chung, KK; Stewart, IJ. (2017). Presenting Hypertension and Mortality in Combat Casualties. *Burns*. 44(2): 298-304. (**IF=1.95, Citations=3**)
 41. **Howard, JT**, Stockinger, ZT, Cap, AP, Bailey, JA, Gross, KR (2017). Military use of tranexamic acid in combat trauma: Does it Matter? *Journal of Trauma Acute Care Surgery*. 83(4): 579-588. (**IF=3.40, Citations=25, Editor's Choice, Altmetric=29**)
 42. **Howard, JT**, Janak, JC, Bukhman, V, Robertson, C, Frolov, I, Nawn, CD, Schiller, AM, Convertino, VA. (2017). The Neurovascular Complexity Index as a Potential Indicator of Traumatic Brain Injury Severity: A Case Series Study. *Journal of Trauma Acute Care Surgery*. 83(1): S77-S82. (**IF=3.40**)
 43. Schiller, AM, **Howard, JT**, Convertino, VA. (2017). The Physiology of Blood Loss and Shock: New Insights from a Human Model of Hemorrhage. *Experimental Biology and Medicine*. 242(8): 874-883. (**IF=2.54, Citations=41**)
 44. Stewart, IJ, Sosnov, JA, Snow, BD, Batou, A, **Howard, JT**, Janak, JC, Bollinger, M, Chung, KK. (2016). Hypertension after injury among burned combat veterans. *Burns*. 43(2): 290-296. (**IF=1.95, Citations=10**)
 45. Janak, JC, Sosnov, JA, **Howard, JT**, Siew, ED, Chan, MM, Wickersham, N, Ikizler, TA, Chung, KK., Stewart, I.J. (2016). Urinary Biomarkers are Associated with Severity and Mechanism of Injury. *Shock*. 47(5): 593-598. (**IF=3.08, Citations=4**)
 46. Clemens, MS, Stewart, IJ, Sosnov, JA, **Howard, JT**, Belenkiy, SM, Sine, CR, Henderson, JL, Buel, AR, Batchinsky, AI, Cancio, LC, Chung, KK. (2016). Reciprocal risk of Acute Kidney Injury and Acute Respiratory Distress Syndrome in critically ill burn patients. *Critical Care Medicine*. 44(10): 915-22 (**IF=7.44, Citations=24**)
 47. Gagnon, D, Schlader, ZJ, Adams, A, Rivas, E, Mulligan, J, Grudic, GZ, Convertino, VA, **Howard, JT**, Crandall, CG. (2016). The effect of passive heat stress and exercise-induced dehydration on the compensatory reserve during simulated hemorrhage. *Shock*. 46(3 Suppl 1): 74-82. (**IF=3.08, Citations=11**)
 48. Stewart, IJ; Sosnov, JA; **Howard, JT**; Chung, KK. (2016). Acute kidney injury in critically injured combat veterans: a retrospective analysis. *American Journal of Kidney Diseases*. 68(4): 564-570. (**IF=5.90, Citations=18**)
 49. **Howard, JT**; Janak, JC; Laborde-Hinojosa; C Convertino, VA. (2016). Specificity of Compensatory Reserve and Tissue Oxygenation as Early Predictors of Tolerance to Progressive Reductions in Central Blood Volume. *Shock*. 46(3 Suppl 1): 68-73. (**IF=3.08, Citations=20**)

50. Laborde-Hinojosa, C; **Howard, JT**; Mulligan, J; Grudic, GZ; Convertino, VA. (2016). Comparison of Compensatory Reserve Index During Lower Body Negative Pressure and Hemorrhage in Non-human Primates. *American Journal of Physiology Regulatory, Integrative and Comparative Physiology*. 310(11): 1154-1159. (**IF=3.11, Citations=21**)
51. **Howard, JT** and Sparks, PJ. (2016). Does allostatic load calculation method matter? Evaluation of different methods and individual biomarkers functioning by race/ethnicity and educational level. *American Journal of Human Biology* 28(5): 627-635. (**IF=1.70, Citations=25**)
52. **Howard, JT** and Sparks, PJ. (2016). The effects of allostatic load on racial/ethnic mortality differences in the United States. *Population Research and Policy Review*. 35(4): 421-443. (**IF=1.22, Citations=15**)
53. Black, S; **Howard, JT**; Chin, PC; Starr, A. (2016). Toward a More Robust Prediction of Pulmonary Embolism in Trauma Patients. A Risk Assessment Model Based Upon 38,000 Patients. *Journal of Orthopaedic Trauma*. 30(4): 200-207. (**IF=1.80, Citations=6**)
54. Penn, AH; Carver, LJ; Herbert, CA; Lai, TS; McIntire, MJ; **Howard, JT**; Taylor, SF; Schmid-Schönbein, GW; Dobkins, KR. (2016). Breast Milk Protects Against Gastrointestinal Symptoms in Infants at High Risk for Autism During Early Development. *Journal of Pediatric Gastroenterology and Nutrition*. 62(2): 317-327. (**IF=2.63, Citations=15**)
55. Kotwal, RS; **Howard, JT**; Orman, JA; Tarpey, BW; Mabry, RL; Champion, HR; Bailey, JA; Holcomb, JB; Gross, KR.(2016). The Effect of a Golden Hour Policy on the Morbidity and Mortality of Combat Casualties. *JAMA Surgery*. 151(1): 15-24. (**IF=13.6, Citations=232**) (**Altmetric=207, top 1% of all scientific articles; extensive media coverage in New York Times, Reuters, CBS News, San Antonio Express News and others**)
56. Stewart, IJ; Faulk, TI; Sosnov, JA; Clemens, MS; Elterman, J; Ross, JD; **Howard, JT**; Fang, R; Zonies, DH; Chung, KK. (2015). Rhabdomyolysis among critically ill combat casualties: associations with acute kidney injury and mortality. *Journal of Trauma and Acute Care Surgery*. 80(3): 492-498. (**IF=3.4, Citations=34**)
57. Janak, JC; **Howard, JT**; Goei, KA; Weber, RL; Muniz, GW; Convertino, VA; Hinojosa-Laborde, C. (2015). Predictors of the onset of Hemodynamic Decompensation during Progressive Central Hypovolemia: Comparison of the Peripheral Perfusion Index, Pulse Pressure Variability, and Compensatory Reserve Index. *Shock*. 44(6): 548-553. (**IF=3.08, Citations=37, Editor's Choice**)
58. Stewart, IJ; Sosnov, J; **Howard, JT**; Orman, JA; Fang, R; Morrow, BD; Zonies, D; Bollinger, M; Tuman, C; Freedman, BA; & Chung, KK. (2015). Retrospective analysis of long term outcomes after combat injury: a hidden cost of war. *Circulation*. 132: 2126-2133. (**IF=23.05, Citations=31**) (**Altmetric=21, top 5% of all scientific articles**)
59. **Howard, JT**; Walick, K; Rivera, JC. (2015). Preliminary evidence of an association between ADHD medications and diminished bone health in children and adolescents. *Journal of Pediatric Orthopaedics*. 37(5): 348-354. (**IF=1.47, Citations=10**) (**Altmetric=164, top 5% of all scientific articles**)
60. Schauer, SG; Mabry, RL; Varney, SM; **Howard, JT** (2015). Emergency department patients support the use of combat medics in their clinical care. *Journal of Special Operations Medicine*. 15(2): 74-78. (**Citations=5**)
61. Stewart, IJ; Glass, KR; **Howard, JT**; Siew, ED; Morrow, BD; Sosnov, JA; Latack, W; Henderson, AT; Kwan, HK; Heegard, KD; Saenz, KK; Ikizler, TA; Chung, K.K. (2015). The potential utility of urinary biomarkers in combat casualty care. *Critical Care*. 19(252). doi:10.1186/s13054-015-0965-y. (**IF=6.96, Citations=10**)

62. Besse, R; Howard, KJ; Gonzales, S; and **Howard, JT** (2015). Major depressive disorder and public school teachers: Evaluating occupational and health predictors and outcomes. *The Journal of Applied Biobehavioral Research*. 20(2): 71-83. (*Citations=8*)
63. Convertino, VA; **Howard, JT**; Hinojosa-Laborde, C; Cardin, S; Batchelder, P; Grudic, G; Mulligan, J; Moulton, S; McCleod, D. (2015). Individual-specific, beat-to-beat trending of significant human blood loss: the compensatory reserve. *Shock*. 44(Suppl 1):27-32. (*IF=3.08, Citations=49*)
64. **Howard, JT** and Sparks, P.J. (2015). The Role of Education in Explaining Racial/Ethnic Allostatic Load Differentials in the United States. *Biodemography and Social Biology*. 61(1): 18-39. (*IF=1.52, Citations=24*)
65. Mondal, NI; Hoque, N; Chowdhury, RK; and **Howard JT** (2015). Socio-demographic Factors Affecting Knowledge level of Tuberculosis Patients in Rajshahi City, Bangladesh. *African Health Sciences* 14(4): 855-865. (*IF=0.67, Citations=30*)
66. Schauer, SG; Robinson, JB; **Howard, JT**; Mabry, R.L. (2015). Battlefield Analgesia – TCCC guidelines are not being followed. *Journal of Special Operations Medicine*. 15(1): 85-89. (*Citations=30*)
67. Mondal, N; Hoque, N; Chowdhury, R; Moni, S; **Howard, JT**, and Choudhury, S. (2014). "Risky Sexual Behaviors and HIV Vulnerability of Male Migrant Workers in Rajshahi City, Bangladesh." *Epidemiology Open Access* 4(3):1-9. (*IF=0.80, Citations=4*)
68. **Howard, JT** and Potter, LB (2014). An assessment of the relationships between overweight, obesity, related chronic health conditions and worker absenteeism. *Obesity Research & Clinical Practice*. 8:1-15. (*IF=2.09, Citations=50*)

Non-Refereed Commentaries and Letters

1. **Howard, JT** and Santos-Lozada, AR (2019). Evaluating Mortality Risk within counterfactual models: Puerto Rico and Hurricane María. *The Lancet Planetary Health*. 3 (5): e207-e208. (*IF=10.70, Citations=3*)
2. Santos-Lozada, AR and **Howard, JT**. (2019). Re: Excess death estimates in Puerto Rico have been consistent all along. *Epidemiology*. 30 (6): e35-e36. (*IF=4.99*)
3. Santos-Lozada, AR and **Howard, JT**. (2019). In Reply: Excess deaths after Hurricane Maria in Puerto Rico. *JAMA*. 321 (10): 1005-1006. (*IF=47.70, Citations=3*)
4. Janak, JC; Sosnov, JA; Stewart, IJ; **Howard, JT**. (2018). Response to Presenting hypertension, burn injury, and mortality in combat casualties: Methodological issues. *Burns*. (*IF=1.90*)
5. **Howard, JT**, Janak, JC, Sosnov, JA, Stewart, IJ, Chung, KK. (2017). Hypertension after injury among burned combat veterans: A retrospective cohort study; methodological issues. *Burns*. 43(3): 686-688. (*IF=1.90, Citations=2*)
6. Chung, KK, Stewart, IJ, **Howard, JT**, Burmeister, DM, Rizzo, JA, Salinas, J, Dubick, MA, Cancio, LC. (2016). Concerns About the Hold the Pendulum Paper. *Annals of Surgery*. (*IF=8.33*)

Book Chapters

1. Howard, KJ; March, D; Ikram, H; Lorentsen, J; **Howard, JT** (2014). "Lower Extremity Pain". In R. Gatchel & I. Schultz (Eds.), *Handbook of Musculoskeletal Pain and Disability Disorders in the Workplace*.
2. Howard, KJ; **Howard, JT**; Wurtz, R. (2013). Chronic Pain in a Specific Population: Low Back. In Dougall & Gatchel (Eds.) *Ask the Experts: Chronic Pain*. Future Science Group. Pgs 59-74.

3. Hoque, N and **Howard JT**. (2013). “The Implications of Aging and Diversification of Population on Overweight and Obesity and the Direct and Indirect Cost Associated with Overweight and Obesity in Texas, 2000-2040.” In N. Hoque, M. McGehee & B. Bradshaw (eds.), *Applied Demography and Public Health*. New York: Springer Publishing.
4. Howard, KJ; **Howard, JT** and Smyth, A. (2012). “The problem of absenteeism and presenteeism in the workplace.” In R. Gatchel and I. Schultz (eds.), *Handbook of Occupational Health and Wellness*. New York: Springer Publishing. (*Citations=13*)

Pre-Prints

1. Santos-Lozada, AR and **Howard, JT**. (2018). Evaluation of death count estimates for Puerto Rico following Hurricane Maria. SocArXiv.
2. Santos-Lozada, AR and **Howard, JT**. (2017). Estimates of excess deaths in Puerto Rico following Hurricane Maria. SocArXiv. DOI: 10.17605/OSF.IO/S7DMU. (**Extensive media coverage:** CNN, New York Times, Vox and many more; 1645 Downloads).

Articles Published in Conference Proceedings

1. Sparks, PJ and Howard, JT. (2017). Examining the Impact of Segregation on Racial/Ethnic and Educational Differences in Allostatic Load Levels and Mortality Risks. PAA Annual Meeting Proceedings. Chicago, IL.

Published Abstracts

Refereed

1. Schlotman, TE; **Howard, JT**; Suresh, DM; Koons, NJ; Schiller, AM; Convertino, VA. (2019). Measures of Compensatory Reserve are More Sensitive and Specific than Heart Rate Variability as Early Predictors of Hemodynamic Decompensation. *The FASEB Journal*. 33(1 Suppl): 838.9 (**IF=5.30**)
2. Schlotman, TE; **Howard, JT**; Convertino, VA. (2018). Comparison of Measures of Compensatory Reserve and Tissue Oxygen in Differentiating Tolerance to Simulated Hemorrhage. *The FASEB Journal*. 32(1 Suppl): 910.7. (**IF=5.30**)
3. **Howard, JT**; Janak, JC; Bukhman, V; Robertson, C; Frolov, I; Nawn, CD; Schiller, AM; Convertino, VA. (2017). Neurovascular Complexity Index: A Potential Quantitative Measure for Assessment of Traumatic Brain Injury. *The FASEB Journal*. 31(1 Suppl): 1087.6. (**IF=5.30**)
4. Wenner, MM; Hinds, K; **Howard, JT**; Nawn, CD; Stachenfeld, NS; Convertino, VA. (2017). Measurement of Compensatory Reserve Predicts Racial Differences in Orthostatic Tolerance. *Journal of Applied Physiology*. *The FASEB Journal*. 31(1 Suppl): 1087.6. (**IF=5.30**)
5. **Howard, JT** and Howard, K. (2012). Barriers to healthcare utilization for individuals with chronic upper extremity joint pain: results from the national health interview survey. *The Journal of Pain*, 13 (4), Supplement 1: 106. (**IF=4.22, Citations=2**)

In Development

1. Santos-Lozada, AR; **Howard, JT**. (In development, 2019). Using allostatic load to explore the Latino Health Puzzle in the United States. *Journal of Health and Aging*. (**IF=2.17**)
2. Santos-Lozada, AR; Aguilar, DL; Daw, J; **Howard, JT**. (In development, 2019). The contribution of three dimensions of allostatic load to racial/ethnic differences in mortality. *Demography*. (**IF=2.80**)

3. Santos-Lozada, AR; Hauer, M; **Howard, JT**. (2019). Migration selectivity considerations make excess death estimates following Hurricane Maria more consistent: A Research Note. *Demography*. (IF=2.80)
4. **Howard, JT**; Sparks, CS; Mamani, D; Howard, KJ; Grigsby, TJ. (In Development, 2019). Changes in Population Level Alcohol Use and Mortality, 1985-2016. *JAMA/JAMA Internal Medicine/AJPH*. (IF=47.70/19.99/18.88)
5. Masum, M; Sparks, CS; Mamani, D; Howard, KJ; Grigsby, TJ; **Howard, JT**. (In Development, 2019). Alcohol Use and Mortality in the United States, 1997-2011.
6. **Howard, JT**; Sparks, CS; Mamani, D; Howard, KJ; Grigsby, TJ. (In Development, 2019). Changes in Population Level Alcohol Use and Cardiovascular Disease, 1986-2016. *JAMA/JAMA Internal Medicine/Circulation*. (IF=47.70/19.99/18.88)
7. Mamani, D; Grigsby, TJ; Sosa, E; Howard, KJ; **Howard, JT**. (In Development, 2019). Alcohol Use and Inflammatory Biomarkers, 1999-2008.

Paper and Poster Presentations

Invited

1. **Howard, JT**. (2018). Panel Discussant. Puerto Rico in the Wake of Crisis: Towards a Just (After)life of Disaster Symposium. University of Texas School of Law, Rapoport Center for Human Rights and Justice.
2. **Howard, JT**. (2018). Presenter. *Investigating excess deaths in Puerto Rico after Hurricane Maria*. Puerto Rico in the Wake of Crisis: Towards a Just (After)life of Disaster Symposium. University of Texas School of Law, Rapoport Center for Human Rights and Justice.
3. **Howard, JT**. (2018). *What's in a number? Assessing mortality after Hurricane Maria and how we got from 64 to 2975*. Demography Lecture Series. Department of Demography, College of Public Policy, University of Texas at San Antonio.
4. **Howard, JT**; Kotwal, RS; Santos, AR; Martin, MJ; Stockinger, ZT. (2017). *TCCC: It all adds up*. Oral Presentation at November 2017 En Route Care Committee meeting, San Antonio, TX.
5. **Howard, JT**; Kotwal, RS; Santos, AR; Martin, MJ; Stockinger, ZT. (2017). *TCCC: It all adds up*. Oral Presentation at September 2017 CoTCCC meeting, San Antonio, TX.
6. **Howard, JT**. (2015). *The Life Course Perspective*. Guest lecture given to Population Dynamics course at UTSA.
7. **Howard, JT**. (2010). *How to build web reporting applications using SAS*. Talk and presentation given at Fannie Mae corporate SAS Users Group meeting.
8. **Howard, JT**. (2010). *Enhancing sales performance: using regression models to construct performance benchmarks*. Talk and presentation given at Fannie Mae corporate meetings on Performance Improvements for Loss Management.
9. **Howard, JT**. (2008). *An econometric approach to media mix modeling: an application of the trans-log production function for estimating elasticities of various advertising media*. Talk and presentation given to Analytics Forum at Targetbase, a leading database marketing firm.

10. **Howard, JT** and Birdine, P. (2004). *Building an intelligent marketing database system: a case study in the value of customer knowledge*. Invited presentation at SAS User's Group International 29th Annual Conference.

Refereed

1. Li, S; **Howard, JT**; Martinez, C; Estrada, V; Yin, Z; Parra-Medina, DM. (2019). Establishing Machine Learning-Based Intensity Thresholds for Wrist-Worn Accelerometry in Preschoolers. Poster presentation at Obesity Week Conference, Las Vegas, NV.
2. Yin, J; **Howard, JT**; Li, S; Juarez, F; Zhou, Z; Yin, Z. (2019). Chinese CHAMPS Study: Impacts on Physical Activity Time and Body Composition. Poster presentation at Obesity Week Conference, Las Vegas, NV.
3. **Howard, JT**; Kotwal, RS; Stern, CA; Janak, JC; Mazuchowski, EL; Stockinger, ZT; Holcomb, BR; Bono, RC; Smith, DJ; Gurney, J; Shackelford, S. (2019). Use of Combat Casualty Care Data to Assess the US Military Trauma System, 2001-2017. Oral presentation at MHSRS annual meeting Kissimmee, FL.
4. Kotwal, RS; Mazuchowski, EL; Stern, CA; **Howard, JT**; Janak, JC; Gurney, J; Shackelford, S. (2019). US Special Operations Command Mortality and Survivability. Poster presentation MHSRS annual meeting Kissimmee, FL. **Winner: Best Poster Award.**
5. Liendo, A; Stern, CA; **Howard, JT**; Johnson, G; Graham, B; Janak, JC. (2019). Fall Injuries in the Deployed Environment. Poster presentation MHSRS annual meeting Kissimmee, FL.
6. Beyer, CA; Poltavskiy, E; Walker, LE; Pettey, W; Suo, Y; Redd, A; Rittel, AG; Kazanis, W; Dunham, JR; Zarzabal, LA; Workman, ER; Rutter, WC; Sim, A; Watrous, JR; **Howard, JT**; Janak, JC; Stewart, IJ; Gundlapalli, AV. (2019). Persistent Opioid Use After Combat Injury and Long-Term Risk of Clinically Recognized Abuse: A Military Perspective on the Opioid Crisis. Oral presentation at MHSRS annual meeting Kissimmee, FL.
7. Stewart, IJ; Poltavskiy, E; Suo, Y; Redd, A; **Howard, JT**; Janak, JC; Zarzabal, LA; Beyer, C; Sim, A; Pettey, W; Gundlapalli, A. (2019) Five year risk of hypertension after combat injury: a predictive model. Poster presentation MHSRS annual meeting Kissimmee, FL.
8. Santos-Lozada, AR and **Howard, JT**. (2019). Using Allostatic Load to Explore the Latino Health Puzzle for Hispanics in the United States. Oral presentation at PAA Annual Meetings, Austin, TX.
9. Schlotman, TE; **Howard, JT**; Suresh, DM; Koons, NJ; Schiller, AM; Convertino, VA. (2019). Measures of Compensatory Reserve are More Sensitive and Specific than Heart Rate Variability as Early Predictors of Hemodynamic Decompensation. Experimental Biology conference, Orlando, FL.
10. Stewart, IJ; Poltavskiy, E; **Howard, JT**; Walker, L; Janak, JC. (2018). Prior Military Service Associated with Chronic Kidney Disease: Analysis of the Behavioral Risk Factor Surveillance System. Poster Presentation at American Society of Nephrology Annual Meetings, San Diego, CA.
11. **Howard, JT**; Armenta, RF; Stewart, IJ; Kolaja, C; Sosnov, JA; Rull, R; Janak, JC; Walker, LE; Trone, DE. (2018). Hypertension in Military Veterans Is Associated With Combat Exposure and Injury. Poster Presentation at MHSRS Annual Meetings, Kissimmee, FL.
12. **Howard, JT**; Kotwal, RS; Santos, AR; Martin, MJ; Stockinger, ZT. (2017). Re-examination of a Battlefield Trauma Golden Hour Policy. Oral Presentation at the AAST Annual Meetings, Baltimore, MD.
13. **Howard, JT**; Kotwal, RS; Santos, AR; Martin, MJ; Stockinger, ZT. (2017). Re-examination of a Battlefield Trauma Golden Hour Policy. Plenary Oral Presentation at the MHSRS Annual Meetings, Kissimmee, FL.

14. **Howard, JT**; Sosnov, JA; Janak, JC; Chin, DL; Gundlapalli, AV; Pettey, WB; Stewart, IJ. (2017). Chronicity of PTSD Diagnosis and Injury Severity are Independently Associated with Long-Term Hypertension Following Combat Injury. Oral Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
15. Kotwal, RS; Scott, LLF; Janak, JC; Tarpey, BW; **Howard, JT**; Mazuchowski, EL; Stockinger, ZT. (2017). The Effect of Prehospital Transport Time on Survival of U.S. Military Casualties in Iraq. Oral presentation at the MHSRS Annual Meetings, Kissimmee, FL.
16. Schiller, AM; Sosnov, JA; Anderson, DM; Suresh, DM; Workman, E; Wood, LA; Convertino, VA; **Howard, JT**. (2017). Big Data in Clinical Research: Big Problems, Bigger Potential. Oral Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
17. Gusman, M; Sosnov, JA; **Howard, JT**. (2017). Traumatic Brain Injury: Are We Conducting Enough Research? Poster Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
18. Sosnov, JA; **Howard, JT**; Chung, KK; Rizzo, J; Christy, R; Stewart, IJ. (2017). Modification of Measures of Acute Kidney Injury to Risk Stratify Combat Casualties. Poster Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
19. Janak, JC; **Howard, JT**; Sosnov, JA; Chin, DL; Gundlapalli, AV; Pettey, WB; Stewart, IJ. (2017). Association of Prior Military Service with Cardiovascular Disease: Analysis of the 2011 Behavioral Risk Factor Surveillance System. Poster Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
20. **Howard, JT**; Schiller, AM; Magby, CG; Lye, KR; Convertino, VA. (2017). Comparison of Measures of Compensatory Reserve and Heart Rate Variability and Complexity as Early Predictors of Hemodynamic Decompensation in Simulated Hemorrhage. Poster Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
21. Schiller, AM; **Howard, JT**; Magby, CG; Lye, KR; Convertino, VA. (2017). Compensatory Reserve is a Superior Predictor of Hemodynamic Decompensation in Hemorrhage Compared to Traditional Vital Signs and Metabolic Measurements. Poster Presentation at the MHSRS Annual Meetings, Kissimmee, FL.
22. Sparks, PJ; **Howard, JT**. (2017). Examining the Impact of Segregation on Racial/Ethnic and Educational Differences in Allostatic Load Levels and Mortality Risks. Poster at PAA Annual Meetings, Chicago, IL.
23. **Howard, JT**; Janak, JC; Bukhman, V; Robertson, C; Frolov, I; Nawn, CD; Schiller, AM; Convertino, VA. (2017). Neurovascular Complexity Index: A Potential Quantitative Measure for Assessment of Traumatic Brain Injury. Poster presentation at Experimental Biology 2017 Conference. Chicago, IL.
24. **Howard, JT**; Janak, JC; Laborde-Hinojosa, C; Convertino, V.A. (2016). Specificity of Compensatory Reserve and Tissue Oxygenation as Early Predictors of Tolerance to Progressive Reductions in Central Blood Volume. Poster presentation at MHSRS meetings, Kissimmee, FL.
25. **Howard, JT**; Sparks, P.J. (2016). The effects of allostatic load on racial/ethnic mortality differences in the United States. Poster presentation at PAA Annual meetings, Washington, DC.
26. **Howard, JT**; Walick, K; Rivera, JC. (2016). Evidence of an association between ADHD medications and diminished bone health in children and adolescents. Oral presentation at American Academy of Orthopaedic Surgeons, Orlando, FL.

27. **Howard, JT**; Janak, JC; Goei, KA; Weber, RL; Muniz, GW; Convertino, V.A., Hinojosa-Laborde, C. (2015). Predictors of the onset of Hemodynamic Decompensation during Progressive Central Hypovolemia: Comparison of the Peripheral Perfusion Index, Pulse Pressure Variability, and Compensatory Reserve Index. Oral presentation at Military Health System Research Symposium, Ft. Lauderdale, FL
28. Caldwell, C; **Howard, JT**; Stockinger, Z.S. (2015). Determining Best Fit for Surgical Workload at Various Echelons of Care in the Deployed Setting – Impact on Training, Resourcing, and Future Medical Planning. Oral presentation at Military Health System Research Symposium, Ft. Lauderdale, FL
29. Black, S; **Howard, JT**; Chin, PC; Starr, A. (2015). Prediction of Pulmonary Embolism in Trauma Patients. A Risk Assessment Model Based Upon 38,000 Patients. Poster presentation at the American Academy of Orthopaedic Surgeons Conference, Las Vegas, NV. **Awarded Best Poster Presentation for Trauma.**
30. **Howard, JT**; Walick, K; Rivera, JC. (2014). Evidence of an association between ADHD medications and diminished bone health in children and adolescents. Poster presentation at San Antonio Postdoctoral Research Forum, University of Texas Health Science Center, San Antonio, TX
31. Gross, K; Shackelford, S; Powell-Dunford, N; Orman, JA; **Howard, JT**; Quesada, J; Bailey, J. (2014). En Route Blood Transfusion from Point of Injury in a Theater of Operations Positively Impacts Shock Index. Poster presentation at Military Health Science Research Symposium, Ft. Lauderdale, FL
32. Black, S; **Howard, JT**; Chin, PC; Starr, A. (2014). Prediction of Pulmonary Embolism in Trauma Patients. A Risk Assessment Model Based Upon 38,000 Patients. Presentation at the Orthopaedic Trauma Association Conference, Tampa, FL. **Recognized as Conference Highlight Paper.**
33. **Howard, JT**; Sparks, P.J. (2014). The Role of Education in Explaining Racial/Ethnic Allostatic Load Differentials in the United States. Poster presentation at PAA Annual meetings, Boston, MA.
34. **Howard, JT**; Hughes, H; Howard, K.J. (2014). Spatial Patterning of Public School Teacher Stress Levels in Texas. Presentation at the Applied Demography Conference, San Antonio, TX.
35. Hoque, N; **Howard, JT**; Menon, G; Rubin, M. (2013). Use of the internet and its influence on individual participation in civic groups in metro and non-metro areas in the U.S. Oral presentation at 2013 Annual Meeting of the Rural Sociological Society, New York, NY.
36. Hoque, N; **Howard JT** (2013). The Implications of Aging and Diversification of Population on Overweight and Obesity and the Economic Burden Associated with Overweight and Obesity in the U.S. from 2000 to 2050. Poster presentation at PAA Annual meetings, New Orleans, LA.
37. Mondal, NI; Hoque, N; Chowdhury, RK; Moni, SY; **Howard JT** (2013). Social Networking, Knowledge of HIV/AIDS and Determinants of Risky Sexual Behavior among Male Migrant Workers in Rajshahi City, Bangladesh. Poster presentation at PAA Annual meetings, New Orleans, LA.
38. Hoque, N; **Howard, JT**; Flores, M. (2012). US Population: Change in Size, Composition, and Distribution, 2000-2010. Poster presentation at 2012 Annual Meeting of the Southern Demographic Association, Williamsburg, VA.
39. Hoque, N; **Howard, JT**; Flores, M. (2012). US Population: Change in Size, Composition, and Distribution, 2000-2010. Oral paper presentation at 2012 Annual Meeting of the Rural Sociological Society, Chicago, IL.

40. **Howard, JT** and Howard, K.J. (2012). Barriers to healthcare utilization for individuals with chronic upper extremity joint pain: results from the national health interview survey. Poster presentation at 2012 Annual Meeting of the American Pain Society, Honolulu, HI.
41. Hoque, N and **Howard, JT** (2012). The Implications of Future Demographic Change on the Incidence of Diseases/Disorders in Texas, 2000-2040. Poster presentation at 2012 Applied Demography Conference, San Antonio, TX.
42. Datta, P; Drew, J.H; Betz, A; Mani, DR; **Howard, JT** (2001). Estimating business targets. Paper presentation at the 7th International Conference on Knowledge Discovery and Data Mining, San Francisco, CA.

Non-Refereed

1. McEvilla, S; Kortz, L; **Howard, JT**. (2019). Accelerated Cellular Aging in US Military Veterans Differs by Race/Ethnicity. Poster presentation at College of Education and Human Development Research Symposium, UTSA, San Antonio, TX.
2. Kortz, L; McEvilla, S; **Howard, JT**. (2019). Increased Inflammatory Markers in US Military Veterans Differ by Race/Ethnicity. Poster presentation at College of Education and Human Development Research Symposium, UTSA, San Antonio, TX.

Grant Activities

Funded

- | | |
|------|---|
| 2019 | Title: Prehospital Treatment of Moderate to Severe Traumatic Brain Injury: Analysis of Civilian Data to Inform Military Practice.
Congressionally Directed Medical Research Programs (CDMRP)/US Army Medical Research and Materiel Command (USAMRMC) - W81XWH-17-R-BAA1
Role: Co-Investigator
Principal Investigator: Dr. Daniel Spaite, MD (University of Arizona Medical Center)
Grant Number: BA170359
Project Period: 01/2019 – 12/2021
Total award amount: \$1,494,262 |
| 2018 | Title: Placement of Antibiotic Powder In Wounds During the Emergency Room (POWDER) STUDY.
Congressionally Directed Medical Research Programs (CDMRP)/Peer Reviewed Orthopedic Research Program (PRORP) - W81XWH-18-20074
Role: Statistician
Principal Investigator: Dr. Robert De Lorenzo, MD (UT Health San Antonio)
Grant Number: OR170114
Project Period: 10/2018 – 10/2022
Total award amount: \$2,880,000 |
| 2016 | Title: Obesity Prevention in Head Start: Míranos!
Program Funding Agency: The National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases
Role: Co-Investigator
Co-Principal Investigators: Dr. Zenong Yin (The University of Texas at San Antonio) and Dr. Deborah Parra-Medina (The University of Texas at Austin)
Grant Number: R01DK109323
Project Period: 09/20/2016 – 08/31/2021
Total award amount: \$3,154,923 |

Submitted

- 2020 Title: “*Airway Securement and Integrated Clearance (AirSINC) System for Ventilated Covid-19 Patients*”
DoD Peer-Reviewed Medical Research Program (PRMRP)
Site Budget: \$2,244,472
Role: Co-PI (33%)
W81XWH-20-PRMRP-TTDA-COV
- 2020 Title: "Innovative Solutions for Airway Securement in Combat and Trauma Scenarios-AirSEQURE (Airway Securement by Universal Radial Expansion)"
DoD Broad Agency Announcement (BAA)
Site Budget: \$
Role: Co-PI (33%)
W81XWH18SBAA1
- 2020 Title: "Integrated Airway Clearance and Securement with Innovative Endotracheal Tube - AirSINC System"
DoD Peer Reviewed Medical Research Program, Technology/Therapeutic Development Award
Site Budget: \$
Role: Co-PI (33%)
W81XWH-20-PRMRP-TTDA
- 2019 Title: “*Impact of racial/ethnic and rural/urban disparities on the health of combat injured US military service members*”
NIH Exploratory/Developmental Research Grant Program (R21) - \$431,083
Role: Co-PI (50%)
GRANT12880706 / Application ID: 1 R21 MD015129-01
Score: 53

Unfunded

- 2017 Congressionally Directed Medical Research Programs, Defense Health Agency, Combat Casualty Care Research Program, Precision Trauma Care Research Award - \$2M
PI: “*A Novel Approach for Identifying Individual Responses to Tissue Oxygenation Challenges and Guided Intervention Using Compensatory Reserve Measurement*”.
- 2017 Defense Health Program, 711 Human Performance Wing, Air Force Medical Service, Research, Studies, Analysis, and Assessments Council (RSAAC) Award - \$696K
Site-PI: “*Aeromedical Monitoring Platform*”.
- 2017 Telemedicine and Advanced Technology Research Center, AMEDD Advanced Medical Technology Initiative (AAMTI) - \$229K
PI: “*Use of Noninvasive Medical Monitoring Equipment for Individualized Guided Resuscitation*”.
- 2016 Congressionally Directed Medical Research Programs, Defense Health Agency, Clinical Research Intramural Initiative Program, Precision Medicine Research Award - \$1M
Co-Investigator: “*Development and Validation of a Machine Learning Technology for Individual-Specific Monitoring of Tissue Oxygenation Status*”.

4. Teaching Activities

Courses Taught



Jeffrey T. Howard, PhD
Curriculum Vitae
jeffrey.howard@utsa.edu

At UTSA:

HTH2623 Database Management in Community and Public Health (Undergraduate)
KAH5123 Research Methods in Health and Kinesiology (Graduate)
KAH5353 Research Methods in Community and Public Health (Graduate)
KAH5363 Data Management and Descriptive Statistics (Graduate)
DEM7093 GIS for Population Science (Graduate)

Taught Elsewhere:

Introduction to Statistics (Undergraduate)
Basic Statistics (Resident Training Program – US Army Medical Command – SAMMC and US Army Dental Command Ft. Hood)
Research Methods (Undergraduate)

Thesis/Dissertation/Fellowship Supervision:

Dissertation Committee Chair:

1. Stephanie DeLeon – UT San Antonio (2020): Dietary Intake as a Stress Mediator of Accelerated Aging and Mortality

Dissertation Committee Member:

1. Dan Shinaberry – UT San Antonio (2016): An analysis of racial/ethnic differentials in social network use and the subsequent effects on biomarker morbidity outcomes in the United States.
2. Muntasir Masum – UT San Antonio (2020): Alcohol consumption and mortality risk in the United States
3. William Kazanis – UT San Antonio (2020): Changing patterns in opioid prescribing and associated changes in opioid related adverse events, and access to substance abuse treatment options.

Thesis Committee Chair:

1. Daniel Mamani – UT San Antonio (2020): Associations of alcohol and substance use with risk factors of cardiovascular disease

Thesis Committee Member:

1. Shiyu Li – UT San Antonio (2019): Machine Learning Approaches to Calibrate Wrist-worn Accelerometry for Physical Activity Assessment in Preschoolers
2. Fernando Juarez – UT San Antonio (2019): A Latino Tailored Preschool Obesity Prevention Program Improved Body Mass Index Percentiles and Raw Gross Motor Skills in Refugee Children from Asia and Africa
3. Joshua Silvas – UT San Antonio (2020):
4. Eden Crowsey – UT San Antonio (2020):
5. Shakara Penix – UT San Antonio (2021):

Student Mentoring:

1. Jada Mathews – Summer 2019; Internship with my Health and Aging Data Analytics Lab
2. Alfredo Villareal – Summer 2019; Internship with my Health and Aging Data Analytics Lab
3. Leslie Kortz – Fall 2019; Internship with my Health and Aging Data Analytics Lab
4. Sarah McEvilla – Fall 2019; Internship with my Health and Aging Data Analytics Lab
5. Aisha Sharma – Fall 2020; Internship with my Health and Aging Data Analytics Lab
6. Maia Puckett – Fall 2020; Internship with my Health and Aging Data Analytics Lab
7. Terence Shaw – Fall 2020; Internship with my Health and Aging Data Analytics Lab

5. Service Activities

University Service

Committee Assignments

2020-present Department - Health and Kinesiology Graduate Program Committee (Member)



Jeffrey T. Howard, PhD
Curriculum Vitae
jeffrey.howard@utsa.edu

2020-present College – HCaP Research Committee (Member)
2019-2020 Department - Public Health Transition Committee (Chair)
2018-2019 University - UTSA OIT Faculty Advisory Committee (Member)
2018-2019 College - College of Education and Human Development Technology Advisory Committee (Member)
2018-2019 Department - Kinesiology, Health and Nutrition Department PhD Task Force

Professional Service

Journal Reviewer

2014-present Journal of Women’s Health Care
2014-present Journal of Occupational and Environmental Medicine
2014-present Journal of Biosafety and Health Education
2015-present Military Medicine
2017-present American Journal of Public Health
2017-present Journal of Applied Biobehavioral Research
2017-present Transfusion
2017-present Biodemography and Social Biology
2018-present Critical Ultrasound Journal
2018-present American Journal of Human Biology
2018-present Journal of Health Care for the Poor and Underserved
2018-present International Journal of Environmental Research and Public Health
2019-present Population Research and Policy Review
2019-present Journal of Occupational Health
2019-present Preventive Medicine
2019-present JAMA
2019-present Health Education and Behavior
2019-present American Journal of Preventive Medicine
2019-present Biomarker Insights
2020-present Journal of Translational Medicine
2020-present Social Science and Medicine – Population Health

Professional Memberships

Population Association of America
Southern Demographic Association
Applied Demography Society
Phi Kappa Phi Honor Society