

**Jacob T. Higgins, PhD, RN**  
**Curriculum Vitae**

**University of Kentucky**  
**College of Nursing**  
**751 Rose Street, 435B**  
**Lexington, KY 40536-0232**

**Email: [jake.higgins@uky.edu](mailto:jake.higgins@uky.edu)**  
**Office Phone: 859-323-5039**  
**Office Fax: 859-323-1057**

**EDUCATION**

<b>Dates</b>	<b>Institution/Location</b>	<b>Degree/Field of Study</b>
Jan. 2022 – present	University of Kentucky, Graduate School Lexington, KY	Graduate Certificate, Improving Healthcare Value
Jan. 2021 - present	University of Kentucky, Gatton College of Business and Economics Lexington, KY	MBA, Healthcare Leadership focus
Aug. 2019 – Dec. 2019	University of Wisconsin-Madison Madison, WI	Certificate, Online Instruction
Aug. 2015 – May 2019	University of Kentucky, College of Nursing Lexington, KY	PhD, Nursing Science
Aug. 2015 – May 2018	University of Kentucky, Graduate School Lexington, KY	Graduate Certificate, Applied Statistics
Jan. 2010 – Dec. 2012	University of Kentucky, College of Nursing Lexington, KY	BS, Nursing

**LICENSURES AND PROFESSIONAL CERTIFICATIONS**

Jan. 2013 – present	Nurse Registration, KY 1134264, Kentucky Board of Nursing
Sept. 2016 – Aug. 2019	Critical Care Knowledge Professional (CCRN-K), American Association of Critical-Care Nurses

## PROFESSIONAL EXPERIENCE

### Academic

<b>Dates</b>	<b>Institution and Location</b>	<b>Title</b>
July 2019 – present	University of Kentucky, College of Nursing Lexington, KY	Assistant Professor, Clinical Title
Aug. 2018 – June 2019	University of Kentucky, College of Nursing	Adjunct faculty

### Clinical

<b>Dates</b>	<b>Institution and Location</b>	<b>Title</b>
July 2019 – present	UK HealthCare Lexington, KY	Nurse Scientist
Nov. 2017 – June 2019	UK HealthCare Lexington, KY	Nursing Research Fellow
Aug. 2016 – Aug. 2018	UK HealthCare Lexington, KY	Clinical Research Nurse General Surgery Research
Jan. 2013 – Aug. 2016	UK HealthCare Lexington, KY	Staff/Charge Nurse Trauma Intensive Care Unit

## HONORS AND AWARDS

May 2022	University of Kentucky, College of Nursing, <i>Dean's Puma Award for Excellence</i>
May 2022	University of Kentucky, College of Nursing, <i>Faculty Excellence in Service</i>
September 2020	University of Kentucky Office of Undergraduate Research, <i>Research Faculty Mentor of the Week</i>
April 2020	University of Kentucky Office of Undergraduate Research, <i>Excellent Undergraduate Research Mentor Award nominee</i>
August 2017	Betsy M. Holiday & Eunice S. Milton scholarship recipient
August 2015	Robert Wood Johnson Foundation, Future of Nursing Scholar
December 2012	Central Baptist Senior Student Leadership Award

## FUNDING

2015 - 2018 “Association of Skeletal Muscle and Psychological Responses to Immobility After Major Injury” **Higgins, J.T.** (Scholar), T. Lennie (Faculty Sponsor/PI), University of Kentucky College of Nursing & Robert Wood Johnson Foundation, Future of Nursing Scholars, RWJF Grant ID# 72586, Award amount: \$125,000.

### Unfunded

“Essential Substance Use Disorder Training for Nurses” J.L. Wilson (PI), Role: Co-I (8%). Substance Abuse and Mental Health Services Administration (SAMSHA) \$200,000. Status: scored; not funded (5/20)

## PUBLICATIONS

### Journal Articles

\* data-based, † student mentee, § staff nurse mentee

#### **Under Review**

**Higgins, J.T.**, & Silverstein, L.A. § Trauma nurse perceived impact on patient health-related quality of life. *J Trauma Nurs.* (submitted 6/22).\*

#### **Peer-Reviewed**

Lykins, A.B., Seroka, N.W., Mayor, M., Seng, S., **Higgins, J.T.**, & Okoli, C.T.C. Compassion Satisfaction, Burnout, and Secondary Traumatic Stress Among Nursing Staff at an Academic Medical Center: A Cross-Sectional Analysis. *J Am Psychiatr Nurses Assoc.* 2021;Epub ahead of print. doi: 10.1177/10783903211066125\*

Silverstein, L.†, **Higgins, J.T.**, & Henderson, S. Health-Related Quality of Life After Polytrauma: A Systematic Review. *J Trauma Nurs.* 2021;28(2):107-118.

**Higgins, J.T.**, Lennie, T.A., & Frazier, S.K. Depressive Symptoms Predict Delayed Ambulation After Traumatic Injury. *J Trauma Nurs.* 2021;28(1):3-9.\*

Okoli, C.T.C., Sarret, S., Lykins, A., **Higgins, J.T.** Correlates of post-traumatic growth among nursing professionals: A cross-sectional analysis. *J Nurs Manag.* 2021;29(2):307-316.\*

**Higgins, J.T.**, Lennie, T.L., Rayens, M.K., Avila, J., & Frazier, S.K. Early Ambulation After Injury Is Associated With Increased Muscle Size and Strength. *Biol Res Nurs.* 2020;22(4):527-535.\*

**Higgins, J.T.**, Okoli, C., Otachi, J., Lawrence, J., Bryant, E., Lykins, A., & Seng, S. Factors Associated With Burnout in Trauma Nurses. *J Trauma Nurs.* 2020;27(6):319-326.\*

Okoli, C.T.C., Seng, S., Otachi, J.K., **Higgins, J.T.**, Lawrence, J., Lykins, A., & Bryant, E. A cross-sectional examination of factors associated with compassion satisfaction and compassion fatigue across healthcare workers in an academic medical centre. *Int J Ment Health Nurs*. 2020;29(3):476-487.\*

**Higgins, J.T.**, Casey, S.<sup>§</sup>, Taylor, E.<sup>§</sup>, Wilson, R.<sup>†</sup>, & Halcomb, P. Comparing the Braden and Jackson/Cubbin Pressure Injury Risk Scales in Trauma-Surgery ICU Patients. *Crit Care Nurse*. 2020;40(6):52-61.\*

**Higgins, J.T.**, Bugajski, A.B., Church, D.<sup>§</sup>, Oyler, D., Parli, S., Halcomb, P., Fryman, L., & Bernard, A.C. A Psychometric Analysis of CIWA-Ar in Acutely Ill and Injured Hospitalized Patients. *J Trauma Nurs*. 2019;26(1):41-49.\*

Harris, C.T., Dudley, B.M., Davenport, D., **Higgins, J.T.**, Fryman, L., Bernard, A.C. Use of Plasma-Based Trauma Transfusion Protocols at Level IV Trauma Centers. *J Trauma Nurs*. 2018;25(4):213-217.\*

**Higgins, J.T.**, Hermanns, C., Malloy, C., & Cooper, R.L. Considerations in repetitive activation of light sensitive ion channels for long-term studies: Channel rhodopsin in the Drosophila model. *Neurosci Res*. 2017;125:1-10.\*

### **Invited**

Frazier, S.K., **Higgins, J.T.**, Bugajski, A., Jones, A.R., & Brown, M.R. Adverse Reactions to Transfusion of Blood Products and Best Practices for Prevention. *Crit Care Nurs Clin North Am*. 2017;29(3):271-290.

### **PRESENTATIONS**

\* data-based, <sup>†</sup> student mentee, <sup>§</sup> staff nurse mentee

### **Peer-Reviewed**

#### **International**

Camargo, F.C., Lawyer, K.A., Glueck, A., Morris, S.A., **Higgins, J.T.**, Wright, M.C., Han, D., & Gombeski Jr., W. *Greater Risk for Equestrian Sport Related Concussions and Head Injuries*. Accepted for poster presentation at the 6th International Consensus Conference on Concussion in Sport, Paris, France [conference postponed to October 2022 and relocated to Amsterdam].\*

Bryant, E., Lawrence, J., Lykins, A., Okoli, C.T.C., **Higgins, J.T.**, & Seng, S. (September 2020). *An examination of Compassion Satisfaction and Compassion Fatigue among nursing staff at UK Healthcare*. Oral and poster presentation at Emergency Nurses Association 'Emergency Nursing 2020' Conference, Las Vegas, NV.\*

Post, S.<sup>†</sup>, Camargo, F., Lawyer, A., & **Higgins, J.T.** (April 2019). *Evaluation of Equestrian Related Head Injuries in Kentucky Managed in the Emergency Department*. Poster presented at the Inaugural International Horse Industry Safety Summit, Lexington, KY.\*

## National

Silverstein, L.<sup>§</sup>, **Higgins, J.T.** (March 2022). *Yes We Can! Trauma Nurses Knowledge and Perceived Impact on Health-Related Quality of Life*. Oral and poster abstract presented at TraumaCon 2022, Las Vegas, NV [scored top 3 oral abstract].

Powell, K.N.<sup>§</sup>, Fryman, L., **Higgins, J.T.**, & Mathews, B. (July 2021). *Less is More: A Descriptive Analysis of Oversight in HealthCare Management*. Poster presentation at American Organization for Nursing Leadership Virtual Conference.

**Higgins, J.**, Frazier, S.K., & Lennie, T. *Psychological symptoms associated with ambulation after injury*. Poster accepted at Society of Trauma Nurses: TraumaCon 2020, Atlanta, GA [conference canceled].\*

Lawrence, J., Lykins, A., Okoli, C., Bryant, E., **Higgins, J.**, Seng, S. (November 2019). *Compassion satisfaction and compassion fatigue among nursing staff at UK Healthcare*. Poster presented at SPS National Learning Session, Houston, TX.\*

Okoli, C.T.C., Seng, S., Otachi, J., **Higgins, J.T.**, Lawrence, J., Lykins, A., Bryant, E. (October 2019). *Secondary traumatic stress, burnout, and compassion fatigue among health care workers at an academic-medical center*. Poster presented at the 33<sup>rd</sup> American Psychiatric Nurses Association Conference, New Orleans, LA.\*

Travers, C.<sup>§</sup> & **Higgins, J.T.** (July 2019). *Building an Emergency General Surgery Quality Program*. Poster presented at 2019 American College of Surgeons Quality and Safety Conference, Washington, D.C.

Taylor, E.<sup>§</sup>, Halcomb, P., **Higgins, J.T.**, Casey, S.<sup>§</sup>, & Biddle, M. (March 2019). *Jackson/Cubbin Pressure Risk Assessment Tool in Adult Critically Ill Trauma-Surgical Population*. Poster presented at National Association of Clinical Nurse Specialist Annual Conference, Orlando, FL.\*

Richards, J.<sup>§</sup>, & **Higgins, J.T.** (March 2019). *Use of a Visual Cue in the Acute Care Setting to Increase Sensitivity at the End of Life*. Poster presented at National Association of Clinical Nurse Specialist Annual Conference, Orlando, FL.\*

Post, S.<sup>†</sup>, Camargo, F., Lawyer, A., & **Higgins, J.T.** (March 2019). *Don't get Back in the Saddle: An Evaluation of Horse-Related Head Injuries in the Emergency Department*. Oral abstract presented at Society of Trauma Nurses: TraumaCon 2019, Lexington, KY.\*

Church, D.A.<sup>§</sup>, Halcomb, P., **Higgins, J.**, Fryman, L., Parli, S., Bernard, A.C., & Oyler, D.R. *Safety and Efficacy of the CIWA-Ar protocol in the Trauma Population*. Poster presented at Society of Trauma Nurses: TraumaCon 2018, Portland, OR.\*

Mattingly, M., Hermanns, C., **Higgins, J.** & Cooper, R.L. (November 2017). *Considerations in repetitive activation of light sensitive ion channels for long-term studies: Channel rhodopsin in the Drosophila model*. Poster presented at Society for Neuroscience, Washington, DC.\*

Cooper, R.L., Malloy, C., Majeed, Z.R., Titlow, J., D. Mahmood, D., Somasundaram, E., Omar, A., Hermanns, C., **Higgins, J.**, & Hall, K. (April 2017). *Effects in altering activity of sensory systems, motor output, skeletal muscle and neurons containing ACH, dopamine, 5-HT and GABA in Drosophila melanogaster*. Poster presented at American Physiological Society, Experimental Biology Annual Meeting, Chicago, IL.\*

### **Regional/Local**

Silverstein, L.<sup>†</sup> & **Higgins, J.T.** (March 2021). *Nurses' Knowledge and Perception of HRQOL in Clinical Care*. Poster presented at Midwest Nursing Research Society 45<sup>th</sup> Annual Research Conference [virtual].\*

Wilson, A.<sup>†</sup>, **Higgins, J.T.**, and Rist, A.<sup>§</sup> *Shots Fired! An Evaluation of Nursing Students' Knowledge and Anxiety of Active Shooter & Emergency Response Training*. Poster accepted at Midwest Nursing Research Society 44<sup>th</sup> Annual Research Conference, Schaumburg, IL [conference rescheduled to virtual].\*

**Higgins, J.T.**, Edward, J., Carney, A., & Hughes, C. *Leveraging Academic-Clinical Partnerships to Promote and Address Diverse Health Needs*. Pre-conference workshop to be given at Southern Nursing Research Society Annual Meeting, New Orleans, LA [conference canceled]

Richardson, K.<sup>†</sup> & **Higgins, J.T.** (September 2019). *The Opioid Epidemic and Kentucky Registered Nurses*. Poster presented at 15<sup>th</sup> Annual Kentucky Organization of Nurse Leaders Conference, Louisville, KY.\*

Wilson, R.<sup>†</sup>, Halcomb, P., Casey, S.<sup>§</sup>, Taylor, E.<sup>§</sup>, Elder, J., & **Higgins, J.T.** (March 2019). *Comparison of Predictive Abilities of Pressure Injury Risk Tools in a Trauma-Surgical Intensive Care Population*. Poster presented at Southern Nursing Research Society Annual Meeting, Orlando, FL.\*

Post, S.<sup>†</sup>, Camargo, F., Lawyer, A., & **Higgins, J.T.** (March 2019). *Evaluation of Equestrian Related Head Injuries in Kentucky Managed in the Emergency Department*. Poster presented at Southern Nursing Research Society Annual Meeting, Orlando, FL.\*

**Higgins, J.T.**, Halcomb, P., Wright, M.C., & Frazier, S.K. (February 2017). *Nurse Attitudes Toward and Perceived Barriers to Mobility After Injury in Adult Patients*. Poster presented at Southern Nursing Research Society Annual Meeting, Dallas, TX\*

### **Invited**

#### **National/International**

Bourg, P., Cronn, S., **Higgins, J.T.**, Mikhail, J., Morgan, V., Price, M., Scheetz, L. & Trevino, C. (March, 2022). *QI, EVP, and Research: Understanding the Differences to Impact Trauma Nursing & Writing for Publication*. Pre-conference workshop presented at TraumaCon 2022, Las Vegas, NV [<https://www.traumanurses.org/2022-agenda-pre-conference>]

Bourg, P., Gervasini, A., **Higgins, J.T.**, Moran, V., Mikhail, J., Price, M., & Scheetz, L. (March, 2021). *Trauma Research – We Can Help!* Conference workshop presented at TraumaCon 2021 [virtual conference: <https://www.traumanurses.org/2021-agenda-march27>]

**Higgins, J.T.** (December 2020). *Quantitative Methods Overview*. Webinar presentation for Society of Trauma Nurses: STN Research Webinar series [<https://www.traumanurses.org/stn-research-webinar-series>]

### **Regional/Local**

**Higgins, J.T.** (October 2019). *The Who, What, Why, When, Where, and How of Controlled Resuscitation for the Hypovolemic Trauma Patient*. Invited oral presentation at the 30<sup>th</sup> Annual Kentucky Trauma and Emergency Medicine Symposium, Lexington, KY

*Getting the Most out of Your PhD Program*. (March 2018). Presented at Southern Nursing Research Society Annual Meeting, Atlanta, GA

### **PROFESSIONAL MEMBERSHIPS**

June 2022 – present	Eastern Association for the Surgery of Trauma, Associate Member
June 2019 – present	American Nurses Association
June 2019 – present	Kentucky Nurses Association
June 2017 – present	Society of Trauma Nurses
Dec. 2016 – present	Southern Nursing Research Society
Sept. 2014 – Aug. 2019	American Association of Critical-Care Nurses
April 2012 – present	Sigma Theta Tau International (Delta Psi Chapter-at-Large)

### **SERVICE**

#### **Professional**

##### *Coalition for National Trauma Research (CNTR)*

Sept. 2021 – present	Society of Trauma Nurses (STN) representative, Equity, Diversity & Inclusion Committee (EDIC)
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##### *Society of Trauma Nurses*

Jan. 2022	Grant reviewer
Dec. 2021	TraumaCON abstract reviewer
Aug. 2021 – present	Member, Diversity, Equity, and Inclusion (DEI) Committee
July 2021 – present	Immediate past chair/member, Research Committee
March 2021	TraumaCON research presentation reviewer/judge
Jan. 2021	Grant reviewer
Dec. 2020	TraumaCON abstract reviewer
March 2020	TraumaCON research presentation reviewer/judge
Jan. 2020	Grant reviewer
Aug. 2019 – July 2021	Chair, Research Committee

*Sigma Theta Tau, Delta Psi Chapter-at-Large*

Aug. 2021 – present            President  
April 2020 – July 2021        President-elect  
Aug. 2016 – July 2018        Chair, Leadership Succession

**Editorial Activities**

**Manuscript Reviewer**

July 2021 – present            Biological Research for Nursing  
Dec. 2020 – present            Journal of Trauma Nursing  
June 2019 – present            Journal of PeriAnesthesia Nursing

**College**

March 2022 – present        Member, College of Nursing Dean Search Committee  
Sept. 2021 – present        Member, Equity, Outreach and Social Justice Council  
June 2020 – Aug. 2021      Member, Dean’s Task Force Health Equity and Racial Justice  
Jan 2020 – present        Facilitator, Interprofessional Collaboration and Team Skills (iCATS)  
Oct. 2019 – present        Student mentorship chair, UK CON Alumni Association

**Department**

July 2021 – present        Elected member, Undergraduate Student Admissions and Progression (USAP) committee  
Aug. 2020 – present        Elected non-clinical faculty representative, Undergraduate Program Coordination (UPC) committee

**Agency**

Oct. 2019 – present        Facilitator, Nurse Residency program, UK HealthCare  
Groups: 54, 58, 61, 66B, 71, 74  
Oct. 2018 – present        Co-facilitator, Trauma-Surgical services council, UK HealthCare  
Oct. 2018 – present        Co-facilitator, Enterprise Nursing Research Council, UK HealthCare

**Public/Community**

July 2021 – present        RN Member, KBN Governance committee  
July 2021 – present        RN Member, KBN Education committee  
July 2020 - present        RN Member, KBN Practice committee  
July 2020 – present        RN Board Member, Kentucky Board of Nursing (KBN)

**Academic**

**Courses Taught**

May 2022 – present        NUR 918: Protection of Human Subjects, UK CON, Co-Faculty of record  
May 2021 – May 2022      NUR 918: Protection of Human Subjects, UK CON, Course Faculty  
Oct. 2021 – present        NUR 344: Research and Scholarship for Nursing Practice, UK CON, Co-Faculty of record  
Aug. 2020 – present        NUR 410: Career Management in Nursing, UK CON, Faculty of record  
Aug. 2018 – present        NUR 393: Nursing Research Internship, UK CON, section mentor  
Aug. 2018 – July 2021      NUR 393: Nursing Research Internship, UK CON, Co-Faculty of record  
Aug. 2018 – Oct. 2021      NUR 310: Research for Evidence-based Nursing Practice, UK CON

## Faculty of record

### Courses Developed

NUR XXX: Room to Improve: An Introduction to Quality Improvement for Professional Nursing (Traditional BSN), UKCON

NUR XXX: Trauma Care Across the Healthcare Continuum (Traditional BSN), UKCON

NUR 328: Research for Evidence-based Nursing Practice (LPN-BSN), UK CON

### Advising/Mentorship

#### Undergraduate/BSN students

<b>Student Name</b>	<b>Involvement Type</b>	<b>Title of Work</b>	<b>Program of Study</b>	<b>Timeframe</b>
Rebecca Dagley	Clinical Mentor	Trauma Nurse Perception of Psychiatric-Mental Health Continuing Education	RN-BSN (UK)	1/21 – 5/21
Lily Silverstein	Research Mentor	Health-Related Quality of Life After Polytrauma: A Systematic Review	BSN (UK)	8/19 – 5/21
Anna Wilson	Research Mentor	Shots Fired! An Evaluation of Nursing Students' Knowledge and Anxiety of Active Shooter & Emergency Response Training	BSN (UK)	1/19 – 5/20
Kristen Richardson	Research Mentor	The Opioid Epidemic and Kentucky Registered Nurses	BSN (UK)	8/18 – 12/19
Riley Wilson	Research Mentor	Comparison of Predictive Abilities of Pressure Injury Risk Tools in a Trauma-Surgical Intensive Care Population	BSN (UK)	1/18 – 5/19
Sophie Post	Research Mentor	Don't Get Back in the Saddle: An Evaluation of Horse-Related Head Injuries in the Emergency Department	BSN (UK)	1/18 – 5/19

## Graduate students

Student Name	Involvement Type	Title of Work	Program of Study	Date(s) / Defended
Lily Silverstein	Committee Member	TBD; focus on health-related quality of life in trauma patients	PhD (UK)	3/22 – present
Dirk Church	Committee Member	TBD: focus on early warning triggers in patient deterioration	DNP (UK)	11/21 – present
Shelby Bliss	Committee Member	Addressing the Inpatient Penicillin Allergy: Implementing a Nurse Driven Allergy Assessment Tool to Enhance Antimicrobial Stewardship.	DNP (UK)	Defended 4/22
Stephanie Priest	Committee Member	Identifying Post Traumatic Stress Disorder in the Mild Traumatic Brain Injured Patient	DNP (NKU)	Defended 11/21
Rebecca Charles	Committee Member	The Effects of an Acuity Adjustable Unit on Throughput in Non-critical Trauma Patients	DNP (UK)	Defended 4/21
Allie Keough	Committee Member	Care Coordination of the Geriatric Traumatic Fracture Patient: A Multimodal Approach to Pain Management	DNP (UK)	Defended 4/21
Susan Taylor	Project Mentor	Assessment of a Nurse Preceptor Training Program	MSN-Ed (Chamberlin)	Defended 4/20

## Professionals

Nurse Mentee(s)	Role	Title of Project	Timeline
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Abdullah Bholat, BSN, CCRN & Addi Lynch, BSN, CCRN	Project mentor	Predictors of Respiratory Compromise in Non-critical Trauma Patients with Rib Fractures	3/21 – present
Lily Silverstein, BSN, RN	Project mentor	Yes We Can! Trauma Nurses Knowledge and Perceived Impact on Health-Related Quality of Life	5/21 – 4/22
Noble Powel, BSN, RN, CNML	Project mentor	Less is More: A Descriptive Analysis of Oversight in HealthCare Management	11/20 – 7/21
Kayla Strother, MSN, APRN	Project mentor	The Effect of a Media-based Resource on Nurse Self-confidence and Anxiety in Caring for Trauma/Surgery Patients with Co-occurring Mental Health Illnesses	11/20 – 7/21
Candice Travers, MSN, APRN	Project mentor	Building an Emergency General Surgery Program	1/19 – 5/19
Jeanette Richards, BSN, RN, TCRN	Project mentor	Use of a Visual Cue in the Acute Care Setting to Increase Sensitivity at the End of Life	8/18 – 3/19
Dirk Church, BSN, CCRN	Project mentor	Safety and Efficacy of the CIWA-Ar protocol in the Trauma Population	11/17 – 3/18

*Revised 6/22*