Keith Feldman, PhD

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Education

PhD in Computer Science and Engineering, University of Notre Dame	2013-2018
MS in Computer Science and Engineering, University of Notre Dame	2013-2017
BS in Computer Science, University of Notre Dame	2008-2012

Current Academic and Professional Positions

Research Faculty, Division of Health Services and Outcomes Research Children's Mercy Hospital Kansas City, MO	2019-present
Assistant Professor, Department of Pediatrics University of Missouri Kansas City (UMKC) School of Medicine Kansas City, MO	2019-present
Adjunct Graduate Faculty, Department of Biomedical & Health Informatics University of Missouri Kansas City (UMKC) School of Medicine Kansas City, MO	2020-present

Prior Positions and Employment

Postdoctoral Research Associate, Dept. of Computer Science and Engineering University of Notre Dame Notre Dame, IN	2018-2019
Research Assistant, Dept. of Computer Science and Engineering University of Notre Dame Notre Dame, IN	2013-2018
Graduate Student Fellow Computing Research Association – Education Committee (CRA-E) Washington, DC	2016-2018
Student Employee, Office of Research Compliance University of Notre Dame Notre Dame, IN	Spring 2017
Data Science Intern IBM Research Dublin, Ireland	Summer 2016
Data Science Intern Zirmed Chicago, IL	Summer 2015
Technical Analyst Credit Suisse New York, NY	2012-2013
Technical Analyst Intern Credit Suisse New York, NY	Summer 2011
Independent Researcher Stony Brook University Stony Brook, NY	Summer 2010

Professional Memberships and Activities

American Medical Informatics Association (AMIA)	2015-Present
IEEE	2015-Present

Honors and Awards

Selected among 20 Best PC members – The Web Conference 2021 (WWW 21)	2021
Outstanding Reviewer Winner 5th International Workshop on Health Intelligence (W3PHIAI)	2021
CSE Outstanding Research Assistant (1/3 selected across dept.)	2019
Winning Team (Tied 1st) BHI Data Challenge – Best Novel Insights	2018
Recipient of IEEE BHI/NSF Student Travel Award	2018
Ethical Leader in STEM Fellow (NSF Funded graduate leadership program	*2015-2016*
NSF Graduate Research Fellowships (GRFP) – Honorable Mention	2015
Featured of cover page of Big Data Journal – Article: <u>Does Medical School Training Relate to Practice? Evidence from Big Data,</u>	2015
Kaneb Center for Teaching & Learning Certificates *Striving for Excellence in Teaching* *Teaching Well Using Technology* *Advanced Teaching Scholar*	2015 2015 2016
Recipient of IEEE BIBM Student Travel Award	2014
Best Paper Nominee – Scaling Personalized Healthcare with Big Data	2014
Recipient of Outstanding TA Award	2013
Upsilon Pi Epsilon Inductee- Computer Science Honor Society	2013-2018
First place mobile app development class for work on NICU analytics *Presented to Notre Dame University Council for Academic Technologies*	2012
2nd place Four Horsemen (Entrepreneurship & Innovation Society) PITCH Competition	2012

Trainee/Mentee Honors and Awards

Parth Patel & Shil Shah (UMKC SOM): <u>*Poster selected by UMKC IM program for presentation at Missouri ACP'21 meeting*</u> *"Predicting Recurrent Coarctation of the Aorta in Infants with Single Ventricle Heart Disease Using Home Monitoring Data".*	2021
Parth Patel & Shil Shah (UMKC SOM): <u>*1st place Undergraduate Poster Presentation:*</u> *UMKC Health Sciences Student Research Summit (HSSRS) "Predicting Recurrent Coarctation of the Aorta in Infants with Single Ventricle Heart Disease Using Home Monitoring Data".*	2021
Madhavi Murali (UMKC SOM IV): <u>*1st place undergraduate oral presentation:*</u> *UMKC Health Sciences Student Research Summit (HSSRS) "Challenges of interpreting Naranjo causality assessment of pediatric adverse drug reactions".*	2020

Yonatan Kurland (CMKC Neonatology Fellow):		2020
2nd place Fellows Research Day Award: CMKC Research Days Health Sciences Student Research Summit (HSSRS) "Neurally Adjusted Ventilatory Assist in Neonates with Congenital Diaphragmatic Hernia".		
Yonatan Kurland (CMKC Neonatology Fellow):		2020
CHNC: Outstanding Abstract by a Trainee: Children's Hospitals Neonatal Consortium Annual Research and Quality Symposium "Neurally Adjusted Ventilatory Assist in Neonates with Congenital Diaphragmatic Hernia".		

Teaching Experience

Instructor of Record - Healthcare Analytics:	University of Notre Dame	Fall 2018

- Designed course curriculum for 23 undergraduate and masters' students.
- Prepared and delivered lectures focused on the modern statistical and machine learning techniques designed to address the complex nature of health data.
- Created interactive labs allowing hands on experience using techniques surrounding the preparation, modeling, and interpretation of a large real-world electronic health record data.

Interim Instructor – Data Science:	University of Notre Dame	Fall 2017

- Selected by the department chair to act as an interim instructor while the current instructor was unavailable to teach.
- Created and delivered course material covering data exploration, preprocessing, cleaning, and introduced rule-learners over the first six sessions of the semester.

Volunteer Teacher– Summer Coding:	Stanley Clark School, South Bend	Summer 2014

- Created and instructed a weeklong course introducing students to basic programming concepts.
- Worked 1-1 and in groups with students ranging from 6th to 8th grade.

Teaching Assistant– Healthcare Analytics:	University of Notre Dame	Fall 2013

- Responsible for grading and providing feedback on quizzes, assignments and project milestones.
- Devised assignments, and managed class materials.
- Provided lectures in professors absence.

Mentorship Activities

Children's Mercy:

Student	Affiliation	Outcome	Term
Yasasvhinie Santharam	KCUMB Medical Student	Ongoing research: GI / Neonatology	Summer 2021-Present
Spandana Sama	KCUMB Medical Student	Ongoing research: Neonatology	Summer 2020 – Present
Michelle Klueppelberg	KCUMB Medical Student	Ongoing research: Neonatology	Summer 2020 – Present

Nathália Munck Machado	Visiting Scholar, PhD Candidate: KUMC Dept. of Population Health	Manuscript Submitted to Addiction	Spring 2020 – Present
Madhavi Murali	UMKC Medical Student	Manuscript published in PLOS One	Spring 2020 – Fall 2020
Fredy Nheme	Master's student: UMKC Dept. of Biomedical and Health Informatics	Manuscript published in Digestive Diseases and Sciences	Spring 2020

University of Notre Dame

Student	Affiliation	Outcome	Term
Mariana Suarez	Notre Dame: Science Computing Undergraduate	Manuscript in Preparation	Fall 2018-Spring 2019
Karthik Pansetty	Summer Researcher (IIT Gandhinagar)	Manuscript Submitted to ICHI 2021	Summer 2018-Summer 2019
Catherine Markley	Notre Dame: Computer Science Undergraduate	Full conference manuscript accepted at IEEE BHI 2019	Fall 2017 – Spring 2019
Matthew Schoenbauer	Notre Dame: ACMS Undergraduate	Community census app piloted by Centre for Nutritional Recovery and Education (CREN)	Spring 2019
Christopher Giuffrida	Notre Dame: Computer Science Undergraduate	Community census app piloted by Centre for Nutritional Recovery and Education (CREN)	Fall 2018
Shuyang Li	Notre Dame: Computer Science Undergraduate	Community pilot run in Bendix Clinic, and poster accepted to AMIA Informatics Summit 2015	Fall 2014-Spring 2015
Mayank Shekhar	Visiting Summer Researcher (IIT Gandhinagar)	Community pilot launched at 2 South Bend schools, and poster accepted to AMIA Informatics Summit 2015	Summer 2014
Jacob Rebec	High School Student Researcher	Academic Research Experience	Spring 2014

Other Mentorship Activities:

Class	Affiliation	Role	Term
Neuroscience Class	UMKC SOM Undergraduate Class	Statistical Project Mentor (3 groups)	Annually, Fall 2019, 2020, 2021

Dissertation Committees

Student	Title	Placement	Year
Xi Wang		*Current UMKC PhD Student*	Ongoing-
Louis Faust	Modeling Physiological and Behavioral Data Streams Towards Health Insights	Mayo Clinic Research – Data Scientist	June 2020
Xian Wu	Deep Learning for Sensory and Behavioral Time Series Analysis	Pinterest Research	March 2020

Master's Thesis / Candidacy Committees

Student	Title	Placement	Year
Louis Faust	Physiological & Behavioral Data Streams Towards Health Insights	PhD Candidate Notre Dame	March 2019
Xian Wu	Deep Learning for Time Series Analysis: from Methodology to Applications	PhD Candidate Notre Dame	April 2019

Postdoc Mentorship Committees:

Trainee	Affiliation	Years
Paul Hibbing	Center for Healthy Lifestyles and Nutrition, Children's Mercy Kansas City	2020- Present

Grants and Contract Awards

Active Funding:

C-S Precision Health   **$ 90,000**   **Pevnick (PI)**   **03/01/20 – 03/01/21**
Identifying Occult Atrial Fibrillation: Linking Electronic Health Record and Apple Watch Data:

Major Goal(s): As part of a collaboration with researchers at Cedars Sinai (C-S) hospital, this project is focused on studying how clinical data (e.g., medical histories, demographics, medication usage, and labs) can be used in tandem with heart-rate data obtained from consumer wearables to better identify high-risk patients for Afib

Role: CMH Subaward PI

Complete:

UL1TR002366	**$ 23,597**	**Feldman (PI)**	**07/01/20 – 06/30/21**

Design of a computational framework to improve the quality of subject matching in case-control study designs.

Major Goal(s): Develop a computational framework to empirically identify the optimal matched control subject(s) for a specific "case" in retrospective case-control studies. Assess the possibility to further improve matching by accounting for temporal relations in patient's medical histories. Evaluate differences between computationally- and manually- selected control patients in the context of a previously conducted case-control study.

Role: PI

CMH Innovation Grant	**$ 30,000**	**Chan (PI)**	**9/1/20-5/31/21**

Saving Liver Transplants with Machine Learning

Major Goal(s): This proposal will develop more accurate ultrasound measures for vascular complications, utilizing state-of-the-art machine learning methodologies to extract latent information from patient ultrasounds with the overarching goal of minimizing unnecessary invasive procedures.

Role: CO-I

Invited Talks

Feldman, K. (2021, May). *Will Apple Watches' Passive Atrial Fibrillation Detection Prevent Strokes? Estimating Actionable Cohort Sizes for Anticoagulation Therapy with Real-World User Data.* Cedars-Sinai EIS Journal Club (CME Credit)

Feldman, K. (2021, April). *The Healthcare Data Spectrum: Utilizing Multiple Data Sources to Address Novel Healthcare Questions.* Nexus Informatics Conference, Kansas City, MO.

Feldman, K. (2020, November). *Natural Language Processing in Healthcare: A Brief Introduction to the Challenges and Techniques in a Complex Pipeline*. Department of Biomedical and Health Informatics multidisciplinary seminar. UMKC School of Medicine, Kansas City, MO.

Feldman, K. (2020, July). *Beyond Modeling: The Emergent Role of Informatics in Advancing Healthcare Knowledge*. Academic Scholarship Conference, Children's Mercy Kansas City, MO.

Feldman, K. (2020, April). *The Healthcare Data Spectrum: Utilizing Multiple Data Sources to Address Novel Healthcare Questions.* 5th Annual Nexus Informatics Conference, Kansas City, MO. (Canceled due to COVID-19)

Feldman, K. (2020, March). Beyond Modeling: *The Emergent Role of Informatics in Advancing Healthcare Knowledge*. CMH/KU Center for Children's Healthy Lifestyles & Nutrition, Kansas City, MO.

Feldman, K. (2020, February). *Beyond Modeling: The Emergent Role of Informatics in Advancing Healthcare Knowledge*. KU Tobacco Research Group / Population Health, Kansas City, MO.

Feldman, K. (2019, February). *A Brief Introduction to Text Analysis*. CMH/KU/Others Biostatistics & Epidemiology Colloquium, Kansas City, MO.

Feldman, K. (2016, April). *The Role of Informatics in Nursing*. Saint Mary's College, Graduate Program in Nursing, South Bend, IN

National Service

Program Committee:

Conference	Year(s)
TheWebConf | Health on the Web / Web and Society Tracks	2020, 2021, 2022
Artificial Intelligence in Medicine	2020
International Workshop on Health Intelligence	2020, 2021, 2022
BIGDATA4HEALTH	2017

Reviewer:

Venue	Year(s)
Elsevier Book Proposal	2021
Journal of Maternal-Fetal & Neonatal Medicine	2021
Journal of Artificial Intelligence Research	2021
Journal of Clinical Medicine	2021
Healthcare	2021
Transactions on Big Data	2020
BMC Health Services Research	2020
AMIA – Annual Symposium	2020
Transactions on Knowledge and Data Engineering (TKDE)	2015, 2018, 2019, 2020
IEEE Access	2017, 2019
Artificial Intelligence in Medicine	2019, 2020
Journal of Biomedical Informatics	2015, 2018, 2021
Scientific Reports	2016, 2019, 2020
Journal of Biomedical and Health Informatics	2016
Big Data	2015
Transactions on Knowledge Discovery from Data (TKDD)	2014, 2021
Statistical Analysis and Data Mining	2014
AMIA's Clinical Informatics Conference	2021
AMIA Joint Summits on Translational Science	2015 - 2020

Regional Service

Activity	Location	Year(s)
Member	Fall PLTW Biomedical Sciences Advisory Meeting (Grain Valley High School)	2021
Judge	UMKC SOM Health Science Student Research Summit (HSSR)	May 2020, 2021
Judge	Project Lead the Way: High School Biomedical Research	April 2020, 2021
Judge	Northern Indiana Regional Science & Engineering Fair	February 2016

Intuitional Service

Children's Mercy Kansas City

Activity	Year(s)
CM Faculty Scholarship Committee	2021-present
DOP Awards Committee	2021
Reviewer: Office of Faculty Development – 2021 PAS Practice Session	2021
Reviewer Innovation Incubator Awards	April 2021
Reviewer Internal Grants	Summer 2020
Informatics writing team CTSA renewal grant	Aug 2020 - present
Researcher Brainstorming Strategic Plan: Value & Differentiation	July 2020

University of Notre Dame:

Activity	Year(s)
Graduate Mentor	Aug 2017 – Aug 2019
Dept. Representative to the Graduate Student Union	Dec 2015 – Aug 2018
Computer Science Graduate Student Board Member	Aug 2017- Aug 2018

Peer Reviewed Publications
‡ Student / Trainee Author, *Co-first authors

Journal Articles:

Staggs, V. S., & **Feldman, K.** (2021). Use of between-within degrees of freedom as an alternative to the Kenward–Roger method for small-sample inference in generalized linear mixed modeling of clustered count data. *Communications in Statistics-Simulation and Computation*, 1-11.

Patton, S.R., **Feldman, K**., Majidi, S., Noser, A. and Clements, M.A., (2021). Identifying HbA1c Trajectories and Modifiable Risk Factors of Trajectories in 5-9-year-olds with Recent-Onset Type 1 Diabetes from the United States. *Diabetic Medicine*, p.e14637 PMID: 34240466

Feldman, K., Rohan, A.J. and Chawla, N.V., (2021). Discrete Heart Rate Values or Continuous Streams? Representation, Variability, and Meaningful Use of Vital Sign Data. *CIN: Computers, Informatics, Nursing*.

‡Kurland, Y., Gurung, K., Pallotto, E.K., Manimtim, W., **Feldman, K**., Staggs, V.S. and Truog, W., (2021). Neurally adjusted ventilatory assist in neonates with congenital diaphragmatic hernia. *Journal of Perinatology*, pp.1-6. PMID: 34112964

‡Faust, L., **Feldman, K**., Lin, S., Mattingly, S., D'Mello, S., & Chawla, N. V. (2021). Examining Response to Negative Life Events through Fitness Tracker Data. *Frontiers in Digital Health*, 3, 37.

‡Murali, M., Suppes, S. L., **Feldman, K**., & Goldman, J. L. (2021). Utilization of the Naranjo scale to evaluate adverse drug reactions at a free-standing children's hospital. *PloS one*, 16(1), e0245368. PMID: 33439905

Tillman, E. M., Suppes, S. L., **Feldman, K**., & Goldman, J. L. (2020). Enhancing Pediatric Adverse Drug Reaction Documentation in the Electronic Medical Record. *The Journal of Clinical Pharmacology*. PMID: 32776356

‡Nehme, F., & **Feldman, K**. (2020). Evolving Role and Future Directions of Natural Language Processing in Gastroenterology. *Digestive diseases and sciences*, 1-12. PMID: 32107677

‡Faust, L., **Feldman, K**., Mattingly, S. M., Hachen, D., & Chawla, N. V. (2020). Deviations from normal bedtimes are associated with short-term increases in resting heart rate. *NPJ digital medicine*, *3*(1), 1-9. PMID: 32219180

Feldman, K., Solymos, G. M., de Albuquerque, M. P., & Chawla, N. V. (2019). Unraveling complexity about childhood obesity and nutritional interventions: Modeling interactions Among psychological factors. *Scientific Reports*, *9*(1), 1-10. PMID: 31827160

*Faust, L., ***Feldman, K**., & Chawla, N. V. (2019). Examining the weekend effect across ICU performance metrics. *Critical Care*, *23*(1), 207. PMID: 31171026

*Gonya, J., ***Feldman, K**., Brown, K., Stein, M., Keim, S., Boone, K., ... & Butter, E. (2018). Human interaction in the NICU and its association with outcomes on the Brief Infant-Toddler Social and Emotional Assessment (BITSEA). *Early human development*, *127*, 6-14. PMID: 30218893

Gonya, J., Harrison, T., **Feldman, K**., Stein, M., & Chawla, N. (2019). Nursing networks in the NICU and their association with maternal stress: A pilot study. *Journal of nursing management*, *27*(2), 442-449. PMID: 30238539

Feldman, K., Johnson, R. A., & Chawla, N. V. (2018). The state of data in healthcare: path towards standardization. *Journal of Healthcare Informatics Research*, *2*(3), 248-271.

Feldman, K., Kotoulas, S., & Chawla, N. V. (2018). TIQS: Targeted Iterative Question Selection for Health Interventions. *Journal of Healthcare Informatics Research*, *2*(3), 205-227.

Feldman, K., Faust, L., Wu, X., Huang, C., & Chawla, N. V. (2017). Beyond volume: the impact of complex healthcare data on the machine learning pipeline. In *Towards Integrative Machine Learning and Knowledge Extraction* (pp. 150-169). Springer, Cham.

Feldman, K., Stiglic, G., Dasgupta, D., Kricheff, M., Obradovic, Z., & Chawla, N. V. (2016). Insights into population health management through disease diagnoses networks. *Scientific reports*, *6*, 30465. PMID: 27461860

Feldman, K., & Chawla, N. V. (2015). Does medical school training relate to practice? Evidence from big data. *Big data*, *3*(2), 103-113. (**Featured on journal cover page)** PMID: 26487985

Feldman, K., Davis, D., & Chawla, N. V. (2015). Scaling and contextualizing personalized healthcare: A case study of disease prediction algorithm integration. *Journal of biomedical informatics*, *57*, 377-385. PMID: 26254848

Conference Proceedings:

‡Markley, C., **Feldman, K**., & Chawla, N. V. (2019, May). Outside the Hospital Walls: Associations of Value Based Care Metrics and Community Health Factors. In *2019 IEEE EMBS International Conference on Biomedical & Health Informatics (BHI)* (pp. 1-4). IEEE.

Feldman, K., Duarte, M., Mikels-Carrasco, W., & Chawla, N. V. (2018, March). Leveraging health and wellness platforms to understand childhood obesity: A usability pilot of FitSpace. In *2018 IEEE EMBS International Conference on Biomedical & Health Informatics (BHI)* (pp. 418-421). IEEE.

Nagrecha, S., Thomas, P. B., **Feldman, K**., & Chawla, N. V. (2017, August). Predicting chronic heart failure using diagnoses graphs. In *International Cross-Domain Conference for Machine Learning and Knowledge Extraction* (pp. 295-312). Springer, Cham.

Feldman, K., Hazekamp, N., & Chawla, N. V. (2016, October). Mining the clinical narrative: all text are not equal. In *2016 IEEE international conference on healthcare informatics (ICHI)* (pp. 271-280). IEEE.

Feldman, K., & Chawla, N. V. (2014, November). Admission duration model for infant treatment (ADMIT). In *2014 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* (pp. 583-587). IEEE.

Feldman, K., & Chawla, N. V. (2014). Scaling personalized healthcare with big data. In *2nd International Conference on Big Data and Analytics in Healthcare, Singapore* (pp. 1-14).

Dasgupta, D., **Feldman, K**., Waghray, D., Mikels-Carrasco, W. A., Willaert, P., Raybold, D. A., & Chawla, N. V. (2014, June). An integrated and digitized care framework for successful aging. In *IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI)* (pp. 440-443). IEEE.

Abstract Posters and Presentations:
National/International Meetings

Scherschligt, X., **Feldman, K**., Rouse, A., & Chan, S. (2021) "Identifying High-risk Patients for Hepatic Artery Stenosis and Occlusion Following Liver Transplants Using a Machine Learning Algorithm" *Society of Radiologists in Ultrasound Conference*

Feldman, K., Duncan, R., Nguyen A., Cook-Wiens, G., Elad, Y., Nuckols, Teryl., & Pevnick, J. (2021) "Will Apple Watches' Passive Atrial Fibrillation Detection Prevent Strokes? Estimating Actionable Cohort Sizes for Anticoagulation Therapy with Real-World User Data" *AMIA's Clinical Informatics Conference*

‡Machado, N., Richter, K., **Feldman, K**., Amaral, L., & Ronzani, T. (2021) "Intentions And Future Plans To Quit Vaping Among E-Cigarette Users In The US And UK" *Society for Research on Nicotine & Tobacco (SRNT)*

Nitkin, C.*, **Feldman, K**.*, Cuna, A., Oschman, A., Truog, W., Norberg, M., Taylor, J., & Lewis, T. (2021) "Response to dexamethasone predicts diagnosis of severe (type 2) bronchopulmonary dysplasia or death" *Pediatric Academic Societies (PAS)*

Feldman, K., Pearce, R., Kearns, G.L, Leeder, S.J, Abdel-Rahman, S., Staggs, V., Friesen, A., Gaedigk, A., Weigel, J., & Shakhnovich, V. (2020) "13C-Pantoprazole Breath Test as a Phenotyping Probe for CYP2C19 in Children" *American Society for Clinical Pharmacology and Therapeutics (ASCPT)* (Poster) Recipient of a Top Poster Ribbon Honors on submission

‡Murali, M., Suppes, S. L., **Feldman, K**., & Goldman, J. L (2020) "An evaluation of the Naranjo scale in assessing adverse drug reactions at a free-standing children's hospital" *Midwest Society for Pediatric Research (MSPR) (Poster)*

‡Kurland Y., Gurung, K., Staggs, V., **Feldman, K**., Pallotto, E., Manimtim, W., & Truog, W. (2020) "Neurally Adjusted Ventilatory Assist in Neonates with Congenital Diaphragmatic Hernia" *Pediatric Academic Societies (PAS)*, (Presentation) – Canceled due to Covid-19

‡Onishchenko, E. Sandritter, T., **Feldman K**., Fischer, R., & August, K. (2020) "Identifying Risk Factors for Drug Induced Liver Injury in Pediatric Patients with Acute Lymphocytic Leukemia (ALL) Receiving Chemotherapy", American Society of Pediatric Hematology Oncology (*ASPHO*) (Poster) – Canceled due to Covid-19

Feldman, K., Rohan, A., & Chawla, N. V. (2017). "Manual, automated, or derived measures: The value of variability in the meaningful use of vital sign data." *AMIA iHealth Clinical Informatics Conference*. (Presentation)

Feldman, K., & Chawla, N. V (2015). "From Data to Insights." *INFORMS Healthcare*. (Presentation)

Feldman, K, et al. (2015) "Leveraging Technology to Assist in Management of Diabetic Conditions." *AMIA Joint Summits on Translational Science*. (Poster)

Local Meetings

‡Patel, P., ‡ Shah, S., **Feldman, K**., Erickson, L., Ricketts, A., Hancock, H., & Romans, R., (2021) "Predicting Recurrent Coarctation of the Aorta in Infants with Single Ventricle Heart Disease Using Home Monitoring Data" *UMKC Health Science Student Research Summit (Poster)*

‡Klueppelberg, M.*, ‡Sama, S.*, ‡Doxey, S., Younger, D., Smith, B., & **Feldman, K**. (2021) "Variability in Blood Gas Levels During Non-Invasive Ventilatory Support Following Planned Extubation and Association to 36-Week Bronchopulmonary Dysplasia in Preterm Neonates" *Kansas City University of Medicine and Biosciences Research Symposium*

‡Klueppelberg, M.*, ‡Sama, S.*, ‡Doxey, S., Younger, D., Smith, B., & **Feldman, K**. (2021) "Variability in Blood Gas Levels During Non-Invasive Ventilatory Support Following Planned Extubation and Association to 36-Week Bronchopulmonary Dysplasia in Preterm Neonates" *Children's Mercy Kansas City Research Days*

Feldman, K. (2020) "Beyond Modeling: Broadening the Role Of Informatics In Healthcare", Children's Mercy Research Month (Poster) – Canceled Due to COVID-19

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‡Murali, M., Suppes, S. L., **Feldman, K.**, & Goldman, J. L (2020) "Challenges of interpreting Naranjo causality assessment of pediatric adverse drug reactions" *UMKC Health Science Student Research Summit (Presentation)*

Brown, K., **Feldman, K**., Chawla, N. V., Rumpf W., Ray, W, Boone, K., Keim, S., Nelin, L., Butter, E., & Gonya, J. (2017) "Effect of Mesosystemic Variability in the NICU on Early Autism Behaviors in Extremely Preterm Infants" *Nationwide Children's Hospital Neonatal-Perinatal Conference.* (Poster)

Feldman, K., Rohan, A., & Chawla, N. V. (2017). "Manual, automated, or derived measures: The value of variability in the meaningful use of vital sign data." *Stony Brook University's School of Nursing Distinguished Alumni Award Symposium*, (Poster)