Stanford

Tina Hernandez-Boussard

Professor of Medicine (Computational Medicine), of Biomedical Data Science, of Surgery and, by courtesy, of Epidemiology and Population Health

CONTACT INFORMATION

- **Alternate Contact**

  LIONEL JEREMIAH - Administrative Associate II

  Email lionelzj@stanford.edu

Bio

BIO

Dr. Hernandez-Boussard is an Associate Dean of Research and Professor of Medicine (Biomedical Informatics), Biomedical Data Sciences, Surgery and Epidemiology & Population Health (by courtesy) at Stanford University. Her work is at the intersection of informatics and population health, promoting responsible AI across populations. She utilizes diverse, multimodal data to develop rigorous criteria and guidelines that steer the development of responsible AI, aiming to bridge gaps in health care and enhance patient outcomes. Dr. Hernandez-Boussard advocates for practices that ensure the benefits of digital technologies are realized across all segments of society

ACADEMIC APPOINTMENTS

- Professor, Computational Medicine
- Professor, Department of Biomedical Data Science
- Professor, Surgery
- Professor (By courtesy), Epidemiology and Population Health
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Associate Dean of Research, Stanford School of Medicine, (2022- present)
- Division Representative, Team Science, Stanford University, Department of Medicine, (2022- present)
- Director, Faculty Development, Biomedical Informatics, (2018-2022)
- Director, Surgical Health Services Research Unit, (2015-2017)
- Co-Director, Surgical Center for Outcomes Research & Evaluation, (2009-2015)

HONORS AND AWARDS

- Fellow, American College of Medical Informatics (2020)

- Innovation Award in Population Science, Stanford University (2012)
- Innovation Award in Population Science, Stanford University (2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chairmen, National Advisory Council for Healthcare Research and Quality of the AHRQ (2020 - 2020)
- Member, National Advisory Council for Healthcare Research and Quality of the AHRQ (2018 - 2019)
- Member, Leading the Biomedical Revolution Workgroup (2016 - 2018)
- Member, Health Services Research & Quality Review Section, AHRQ (2016 - 2018)
- Member, VA BD-Step Executive Committee (2015 - 2018)
- Member, Stanford Precision Health Committee (2015 - 2018)
- Member, Stanford Surgical Council Committee (2015 - 2017)
- Member, AHRQ Quality Indicators wrokgroup (2013 - 2015)
- Member, AHRQ Quality Indicator™ ICD-10-CM/PCS Conversion Project (2012 - 2013)

PROFESSIONAL EDUCATION

- M.S., Stanford University , Health Services Research (2013)
- Ph.D., University Claude Bernard, Lyon 1 , Computational Biology (1999)
- M.P.H., Yale University , Epidemiology (1993)
- B.A., University California, Irvine , Psychology (1991)
- B.S., University of California, Irvine , Biology (1991)

COMMUNITY AND INTERNATIONAL WORK

- International Quality Improvement, Bologna, Italy

LINKS

- Boussard Lab: http://med.stanford.edu/boussard-lab.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My background and expertise is in the field of computational biology, with concentration in health services research. A key focus of my research is to apply novel methods and tools to large clinical datasets for hypothesis generation, comparative effectiveness research, and the evaluation of quality healthcare delivery. My research involves managing and manipulating big data, which range from administrative claims data to electronic health records, and applying novel biostatistical techniques to innovatively assess clinical and policy related research questions at the population level. This research enables us to create formal, statistically rigid, evaluations of healthcare data using unique combinations of large datasets.

PROJECTS

- Improving Quality of Postoperative Pain Care Through use of Electronic Health Records - Agency for Healthcare Research and Quality (AHRQ) (September 1, 2015 - 6/30/2020)
- Utilizing Electronic Health Records to Measure and Improve Prostate Cancer Care - National Cancer Institute (NCI) (7/1/2015 - 6/30/2020)
- Surgical Health Services Research - Stanford University
- Developing individual predictive models for pain management and opioids - Stanford University

Teaching

COURSES

2026-27

- Deploying and Evaluating Fair AI in Healthcare: BMDS 223, CSRE 323, EPI 220 (Spr)
- Using Real-World Data for Clinical and Population Health Research : BMDS 238, EPI 265, PSYC 265 (Spr)

2025-26

- Deploying and Evaluating Fair AI in Healthcare: BMDS 223, CSRE 323, EPI 220 (Spr)
- Using Real-World Data for Clinical and Population Health Research : BMDS 238, EPI 265, PSYC 265 (Spr)

2024-25

- Deploying and Evaluating Fair AI in Healthcare: BIOMEDIN 223, CSRE 323, EPI 220 (Spr)

2023-24

- Deploying and Evaluating Fair AI in Healthcare: BIOMEDIN 223, EPI 220 (Spr)

STANFORD ADVISEES

Med Scholar Project Advisor

Arman Koul

Postdoctoral Faculty Sponsor

Namu Park, Soumyadeep Roy

Doctoral Dissertation Co-Advisor (AC)

Cesar Baeta

Master's Program Advisor

Sonia Narayanan, Kristine Ongaigui, Meg Quint

Doctoral (Program)

Alejandro Buendia, Maya Drusinsky, Joshua Lazaro, Keith Moore

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (PhD Program)
- Biomedical Data Science (Masters Program)

Publications

PUBLICATIONS

- **Navigating fairness in artificial intelligence-based prediction models: theoretical constructs and practical applications.** *The Lancet. Digital health*
  van der Meijden, S. L., Wang, Y., Ng, M. Y., Arbous, S. M., Geerts, B. F., Steyerberg, E. W., Hernandez-Boussard, T.
  2026: 101035

- **Graph augmented transformers improve chemotherapy toxicity symptom extraction from clinical notes.** *Nature communications*
  Saquand, E., Naderalvojoud, B., Schuessler, M., Pillai, M., Rice, B. T., Blayney, D. W., Hernandez-Boussard, T.
  2026

- **Genome modelling and design across all domains of life with Evo 2.** *Nature*

Brixi, G., Durrant, M. G., Ku, J., Naghipourfar, M., Poli, M., Sun, G., Brockman, G., Chang, D., Fanton, A., Gonzalez, G. A., King, S. H., Li, D. B., Merchant, et al
2026

- **Evaluation of performance measures in predictive artificial intelligence models to support medical decisions: overview and guidance.** *The Lancet. Digital health*
  Van Calster, B., Collins, G. S., Vickers, A. J., Wynants, L., Kerr, K. F., Barreñada, L., Varoquaux, G., Singh, K., Moons, K. G., Hernandez-Boussard, T., Timmerman, D., McLernon, D. J., van Smeden, et al
  2025: 100916

- **Synthetic data, synthetic trust: navigating data challenges in the digital revolution.** *The Lancet. Digital health*
  Koul, A., Duran, D., Hernandez-Boussard, T.
  2025: 100924

- **AI, Health, and Health Care Today and Tomorrow: The JAMA Summit Report on Artificial Intelligence.** *JAMA*
  Angus, D. C., Khera, R., Lieu, T., Liu, V., Ahmad, F. S., Anderson, B., Bhavani, S. V., Bindman, A., Brennan, T., Celi, L. A., Chen, F., Cohen, I. G., Denniston, et al
  2025

- **Promoting transparency in AI for biomedical and behavioral research.** *Nature medicine*
  Hernandez-Boussard, T., Lee, A. Y., Stoyanovich, J., Biven, L.
  2025

- **Guiding Principles to Address the Impact of Algorithm Bias on Racial and Ethnic Disparities in Health and Health Care.** *JAMA network open*
  Chin, M. H., Afsar-Manesh, N., Bierman, A. S., Chang, C., Colon-Rodriguez, C. J., Dullabh, P., Duran, D. G., Fair, M., Hernandez-Boussard, T., Hightower, M., Jain, A., Jordan, W. B., Konya, et al
  2023; 6 (12): e2345050

- **Artificial intelligence/machine learning in Alaska Native healthcare systems: symposium perspectives.** *International journal of circumpolar health*
  Hiratsuka, V., Pritchard, A., Day, G., Thomas, T., Wark, K., Shane, A., Onders, R., Hernandez-Boussard, T., Rice, B.
  2026; 85 (1): 2677426

- **When an Algorithm Renews a Prescription.** *JAMA internal medicine*
  Jaiswal, N., Gorijavolu, R., Hernandez-Boussard, T., Celi, L. A.
  2026

- **Whose Federation? Epistemic Closure, Community Exclusion, and the Political Economy of Federated Learning.** *The American journal of bioethics : AJOB*
  Acevedo, H., Al-Louzi, R., Celi, L. A., Chowdhury, M., Hernandez-Boussard, T., Hendl, T., Kabede, A. A., Lucas, M. M., Savary, M.
  2026; 26 (8): 133-136

- **Regional and structural treatment variation in hidradenitis suppurativa: A national Epic Cosmos analysis**
  Barnes, L. A., Yeh, S., Hernandez-Boussard, T., Linos, E., Moskatel, L.
  ELSEVIER SCIENCE INC.2026: S78

- **Editorial: The future of oncology: digital twins and precision cancer care.** *Frontiers in artificial intelligence*
  Stahlberg, E., Deng, J., Hernandez-Boussard, T., Wang, Q., Liu, H., Syeda-Mahmood, T., Aguilar, B., Wu, H., Zhang, A.
  2026; 9: 1912241

- **No "Golden Hour" in Alaska: Characteristics and Implications of Medevac-centered Emergency Care.** *The western journal of emergency medicine*
  Rice, B., Williams, C., Chang, C. Y., Wood, J., Saul, H., Pritchard, A., Day, G., Thomas, T., Hao, D., Britton, C., Onders, R., Hernandez-Boussard, T.
  2026; 27 (4): 1039-1047

- **A hierarchical clinical fusion transformer model for personalized opioid treatment: Development and validation in diabetic surgical patients.** *medRxiv : the preprint server for health sciences*
  Naderalvojoud, B., Sutjiadi, B. J., Koul, A., Curtin, C., Gevaert, O., Hernandez-Boussard, T.
  2026

- **What Utah's clinical AI sandbox reveals about independent oversight.** *Nature medicine*

Gorijavolu, R., Jaiswal, N., Kesselheim, A. S., Sakran, J. V., Hernandez-Boussard, T., Celi, L. A.
2026

- **Building safer artificial intelligence mental health chatbots: a framework for transparency, evaluation, and shared accountability.** *Journal of the American Medical Informatics Association : JAMIA*
  Lee, H., Handler, R., Mungle, T., Hernandez-Boussard, T.
  2026
- **Evidence, transparency, and scope: concerns about Doctronic.** *BMJ (Clinical research ed.)*
  Celi, L. A., Jaiswal, N., Gorijavolu, R., Hernandez-Boussard, T.
  2026; 393: s833
- **Evaluating Large Language Models for Transparent Quality-of-Care Measurement in Children with ADHD.** *medRxiv : the preprint server for health sciences*
  Bannett, Y., Pillai, M., Huang, T., Luo, I., Gunturkun, F., Hernandez-Boussard, T.
  2026
- **The Inverse Care Law in the Age of AI - Geographic Disparities in Health Care Technology Access.** *NEJM AI*
  Hwang, Y. M., Rice, B. T., Hernandez-Boussard, T.
  2026; 3 (4)
- **Improving Fairness and Mitigating Bias in Multicenter Electronic Health Records Models to Predict Glaucoma Outcomes** *OPHTHALMOLOGY SCIENCE*
  Zhao, Y., Ravindranath, R., Hernandez-Boussard, T., Stein, J. D., Wang, S. Y., SOURCE Consortium
  2026; 6 (4): 101119
- **Biological data governance in an age of AI.** *Science (New York, N.Y.)*
  Bloomfield, D., Black, J. R., Crook, O., Brandes, N., Hanke, M. S., Inglesby, T. V., Cicero, A., Pollack, R., Hernandez-Boussard, T., Imperiale, M. J., Altman, R. B., Pannu, J.
  2026; 391 (6785): 558-561
- **Large Language Modeling-Enabled Analysis of Atrial Fibrillation on Social Media.** *Journal of the American Heart Association*
  Parsa, S., Somani, S., Rogers, A. J., Hernandez-Boussard, T., Jain, S. S., Rodriguez, F.
  2025: e043999
- **Racial and ethnic disparities in statin adherence: insights from the All of Us Research Program.** *Frontiers in cardiovascular medicine*
  Escobar, G., Azizi, Z., de Hond, A., Lewis, A. A., Ng, M. Y., Rodriguez, F., Hernandez-Boussard, T.
  2025; 12: 1541082
- **Cost-Benefit Analysis of Preventing Acute Care Use in Oncology Patients Following Systemic Therapy Using Medicare Claims Data: Retrospective Cohort Study.** *JMIR medical informatics*
  Keller, S. A., Schuessler, M., Naderalvojoud, B., Seto, T., Tian, L., Roy, M., Hernandez-Boussard, T.
  2025; 13: e77891
- **Biologic Therapy and Risk of Mental Health Diagnosis in Patients with Hidradenitis Suppurativa.** *The Journal of investigative dermatology*
  Ofori-Darko, A., Barzallo, D., Sinnott, S. M., Naik, H. B., Hernandez-Boussard, T., Amonoo, H. L., Barnes, L. A.
  2025
- **Phenotyping Lipid-Lowering Therapies for Patients with ASCVD**
  Somani, S., Kim, D., Ngo, S., King, S., Chen, T., Hernandez-Boussard, T., Rodriguez, F.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Performance Benchmarking of Smaller Language Models Against GPT-4 for Predicting Reasons for Oral Anticoagulation Nonprescription in Atrial Fibrillation**
  Somani, S., Kim, D., Guerrero, E., Ngo, S., Nguyen, M., Sandhu, A., Alsentzer, E., Hernandez-Boussard, T., Rodriguez, F.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **Challenges and Recommendations for Electronic Health Records Data Extraction and Preparation for Dynamic Prediction Modeling in Hospitalized Patients: Practical Guide and Tutorial.** *Journal of medical Internet research*
  Albu, E., Gao, S., Stijnen, P., Rademakers, F. E., van Bussel, B. C., Collyer, T., Hernandez-Boussard, T., Wynants, L., Van Calster, B.
  2025; 27: e73987

- **The fragile intelligence of GPT-5 in medicine.** *Nature medicine*
  Handler, R., Sharma, S., Hernandez-Boussard, T.
  2025
- **Large Language Models Outperform Traditional Natural Language Processing Methods in Extracting Patient-Reported Outcomes in Inflammatory Bowel Disease.** *Gastro hep advances*
  Patel, P. V., Davis, C., Ralbovsky, A., Tinoco, D., Williams, C. Y., Slatter, S., Naderalvojoud, B., Rosen, M. J., Hernandez-Boussard, T., Rudrapatna, V.
  2025; 4 (2): 100563
- **Evaluating the impact of data biases on algorithmic fairness and clinical utility of machine learning models for prolonged opioid use prediction.** *JAMIA open*
  Naderalvojoud, B., Curtin, C., Asch, S. M., Humphreys, K., Hernandez-Boussard, T.
  2025; 8 (5): ooaf115
- **Predicting treatment retention in medication for opioid use disorder: a machine learning approach using NLP and LLM-derived clinical features.** *Journal of the American Medical Informatics Association : JAMIA*
  Nateghi Haredasht, F., Lopez, I., Tate, S., Ashtari, P., Chan, M. M., Kulkarni, D., Chen, C. A., Vangala, M., Griffith, K., Bunning, B., Miner, A. S., Hernandez-Boussard, T., Humphreys, et al
  2025
- **Validation of the American Heart Association Predicting Risk of Cardiovascular Disease Events Equations in Diverse Socioeconomic Groups: The All of Us Cohort.** *Journal of the American Heart Association*
  Lewis, A. A., Bacong, A. M., Palaniappan, L., Hernandez-Boussard, T.
  2025: e041549
- **Approach to the Postmarket Evaluation of Consumer Wearable Technologies.** *JAMA cardiology*
  Pundi, K., Bhavnani, S., Seninger, C., Zuckerman, B., Paulsen, J., Aguel, F., Din, N., Viggiano, B., Yoo, R. M., Dalal, N., Go, A. S., Granger, C., Krumholz, et al
  2025
- **Racial and Ethnic Disparities in Statin Adherence: Insights from the All of Us Research Program.** *medRxiv : the preprint server for health sciences*
  Escobar, G., Azizi, Z., de Hond, A., Lewis, A. A., Ng, M. Y., Rodriguez, F., Hernandez-Boussard, T.
  2025
- **Protocol for development of a checklist and guideline for transparent reporting of cluster analyses (TRoCA).** *BMJ open*
  Lisik, D., Shah, S. A., Basna, R., Dinh, T., Browne, R. P., Andrews, J. L., Wallace, M., Ezugwu, A., Marusic, A., Tran, D., Torres-Sospedra, J., Dam, H. C., Fournier-Viger, et al
  2025; 15 (8): e099609
- **Enhanced Phenotype Identification of Common Ocular Diseases in Real-World Datasets** *OPHTHALMOLOGY SCIENCE*
  Stein, J. D., An, H., Andrews, C. A., Pershing, S., Mungle, T., Bicket, A. K., Rosenthal, J. M., Zhang, A. D., Lee, W., Ludwig, C., Mekonnen, B., Hernandez-Boussard, T., SOURCE Consortium
  2025; 5 (4)
- **Ensemble learning to enhance accurate identification of patients with glaucoma using electronic health records.** *JAMIA open*
  Mungle, T., Naderalvojoud, B., Andrews, C. A., An, H. S., Bicket, A., Zhang, A., Rosenthal, J., Lee, W. S., Ludwig, C. A., Mekonnen, B., Pershing, S., Stein, J. D., Hernandez-Boussard, et al
  2025; 8 (4): ooaf080
- **Diagnostic framework to validate clinical machine learning models locally on temporally stamped data.** *Communications medicine*
  Schuessler, M., Fleming, S., Meyer, S., Seto, T., Hernandez-Boussard, T.
  2025; 5 (1): 261
- **Post-operative pain management in elders** *HELIYON*
  Titan, A. L., Naderalvojoud, B., Suarez, P., Coquet, J., Baiu, I., Hernandez-Boussard, T., Curtin, C.
  2025; 11 (12)
- **Medical digital twins: enabling precision medicine and medical artificial intelligence.** *The Lancet. Digital health*

Sadée, C., Testa, S., Barba, T., Hartmann, K., Schuessler, M., Thieme, A., Church, G. M., Okoye, I., Hernandez-Boussard, T., Hood, L., Shmulevich, I., Kuhl, E., Gevaert, et al
2025: 100864

- **Short-term mortality after opioid initiation among opioid-naïve and non-naïve patients with dementia: a retrospective cohort study.** *BMC medicine*
  Hwang, Y. M., Hah, J. M., Bramen, J. E., Hadlock, J. J., Hernandez-Boussard, T.
  2025; 23 (1): 340

- **Leveraging AI to enhance symptom capture and reduced hospitalizations.**
  Koul, A., Roy, M., Hernandez-Boussard, T.
  LIPPINCOTT WILLIAMS & WILKINS.2025: 1572

- **Large Language Models Using Free Text Clinical Notes Outperform ICD Coding in Identifying Patients With and Without Glaucoma**
  Mungle, T., Andrews, C. A., Pershing, S., Rice, B., Wang, S. Y., Pillai, M., Bicket, A. K., Rosenthal, J. M., Zhang, A. D., Le, W., Ludwig, C. A., Mekonnen, B., Hernandez-Boussard, et al
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025

- **Preoperative Opioid Misuse Associations With Delayed Opioid Cessation, Pain, and Negative Affect After Spine Surgery.** *Neurospine*
  Hah, J. M., Levine, S. C., Khairnar, S., Pirrotta, L., Ben-Natan, A. R., Tse, E., Hettie, G., Alamin, T., Veeravagu, A., Hu, S., Hernandez-Boussard, T.
  2025; 22 (2): 451-464

- **A scoping review of machine learning models to predict risk of falls in elders, without using sensor data.** *Diagnostic and prognostic research*
  Capodici, A., Fanconi, C., Curtin, C., Shapiro, A., Noci, F., Giannoni, A., Hernandez-Boussard, T.
  2025; 9 (1): 11

- **Global Initiative on AI for Health (GI-AI4H): strategic priorities advancing governance across the United Nations.** *NPJ digital medicine*
  Muralidharan, V., Ng, M. Y., AlSalamah, S., Pujari, S., Kalra, K., Singh, R., Schalet, D., Olantuji, T., Malpani, R., Matin, R. N., Omiye, J. A., Zhao, Y., Sands, et al
  2025; 8 (1): 219

- **Artificial intelligence tools in supporting healthcare professionals for tailored patient care.** *NPJ digital medicine*
  Kim, J., Chen, M. L., Rezaei, S. J., Hernandez-Boussard, T., Chen, J. H., Rodriguez, F., Han, S. S., Lal, R. A., Kim, S. H., Dosiou, C., Seav, S. M., Akcan, T., Rodriguez, et al
  2025; 8 (1): 210

- **Ensuring Fairness in Postsurgical Fall Detection for Older Adults: Age-Stratified Analysis of Large Language Models**
  Pillai, M., Blumke, T., Studnia, J., Wang, Y., Veigulis, Z., Ware, A., Hoover, P., Carroll, I., Humphreys, K., Osborne, T., Asch, S., Hernandez-Boussard, T., Curtin, et al
  WILEY.2025: S244

- **Understanding Reasons for Oral Anticoagulation Nonprescription in Atrial Fibrillation Using Large Language Models.** *Journal of the American Heart Association*
  Somani, S., Kim, D. D., Perez-Guerrero, E., Ngo, S., Seto, T., Al-Kindi, S., Hernandez-Boussard, T., Rodriguez, F.
  2025: e040419

- **Navigating Fairness in AI-based Prediction Models: Theoretical Constructs and Practical Applications.** *medRxiv : the preprint server for health sciences*
  van der Meijden, S. L., Wang, Y., Arbous, M. S., Geerts, B. F., Steyerberg, E. W., Hernandez-Boussard, T.
  2025

- **Clinical trials informed framework for real world clinical implementation and deployment of artificial intelligence applications.** *NPJ digital medicine*
  You, J. G., Hernandez-Boussard, T., Pfeffer, M. A., Landman, A., Mishuris, R. G.
  2025; 8 (1): 107

- **Accuracy and clinical effectiveness of risk prediction tools for pressure injury occurrence: An umbrella review.** *PLoS medicine*
  Hillier, B., Scandrett, K., Coombe, A., Hernandez-Boussard, T., Steyerberg, E., Takwoingi, Y., Veličković, V. M., Dinnes, J.
  2025; 22 (2): e1004518

- **Reducing outpatient wait times through telemedicine: a systematic review and quantitative analysis.** *BMJ open*

Capodici, A., Noci, F., Nuti, S., Emdin, M., Dalmiani, S., Passino, C., Hernandez-Boussard, T., Giannoni, A.
2025; 15 (1): e088153

- **Enhanced Phenotype Identification of Common Ocular Diseases in Real-World Datasets.** *Ophthalmology science*
  Stein, J. D., An, H. S., Andrews, C. A., Pershing, S., Mungle, T., Bicket, A. K., Rosenthal, J. M., Zhang, A. D., Lee, W. S., Ludwig, C., Mekonnen, B., Hernandez-Boussard, T.
  2025; 5 (4): 100717
- **Development of secure infrastructure for advancing generative artificial intelligence research in healthcare at an academic medical center.** *Journal of the American Medical Informatics Association : JAMIA*
  Ng, M. Y., Helzer, J., Pfeffer, M. A., Seto, T., Hernandez-Boussard, T.
  2025
- **Risk prediction tools for pressure injury occurrence: an umbrella review of systematic reviews reporting model development and validation methods.** *Diagnostic and prognostic research*
  Hillier, B., Scandrett, K., Coombe, A., Hernandez-Boussard, T., Steyerberg, E., Takwoingi, Y., Velickovic, V., Dinnes, J.
  2025; 9 (1): 2
- **Large Language Models Outperform Traditional Natural Language Processing Methods in Extracting Patient- Reported Outcomes in Inflammatory Bowel Disease** *GASTRO HEP ADVANCES*
  Patel, P., Davis, C., Ralbovsky, A., Tinoco, D., Williams, C. Y. K., Slatter, S., Naderalvojoud, B., Rosen, M. J., Hernandez-Boussard, T., Rudrapatna, V.
  2025; 4 (2)
- **Community-engaged artificial intelligence: an upstream, participatory design, development, testing, validation, use and monitoring framework for artificial intelligence and machine learning models in the Alaska Tribal Health System.** *Frontiers in artificial intelligence*
  Rice, B. T., Rasmus, S., Onders, R., Thomas, T., Day, G., Wood, J., Britton, C., Hernandez-Boussard, T., Hiratsuka, V.
  2025; 8: 1568886
- **Where the road ends: emergency care sensitive conditions drive excess mortality in medevac-dependent rural Alaska.** *Emergency medicine journal : EMJ*
  Rice, B., Britton, C., Rasmus, S., Hernandez-Boussard, T.
  2024
- **Sequence modeling and design from molecular to genome scale with Evo.** *Science (New York, N.Y.)*
  Nguyen, E., Poli, M., Durrant, M. G., Kang, B., Katrekar, D., Li, D. B., Bartie, L. J., Thomas, A. W., King, S. H., Brixi, G., Sullivan, J., Ng, M. Y., Lewis, et al
  2024; 386 (6723): eado9336
- **Mental health care needs of caregivers of people with Alzheimer's disease from online forum analysis.** *Npj mental health research*
  Kim, J., Cai, Z. R., Chen, M. L., Rezaei, S. J., Onyeka, S., Rodriguez, C. I., Hernandez-Boussard, T., Filkov, V., Whitmer, R. A., Linos, E., Choi, Y. K.
  2024; 3 (1): 54
- **Scaling equitable artificial intelligence in healthcare with machine learning operations.** *BMJ health & care informatics*
  Ng, M. Y., Youssef, A., Pillai, M., Shah, V., Hernandez-Boussard, T.
  2024; 31 (1)
- **Development of Secure Infrastructure for Advancing Generative AI Research in Healthcare at an Academic Medical Center.** *Research square*
  Ng, M. Y., Helzer, J., Pfeffer, M. A., Seto, T., Hernandez-Boussard, T.
  2024
- **Defining and pursuing diversity in human genetic studies.** *Nature genetics*
  Raven-Adams, M. C., Hernandez-Boussard, T., Joly, Y., Knoppers, B. M., Chandrasekharan, S., Thorogood, A., Kumuthini, J., Ho, C. W., Gonzlez, A., Nelson, S. C., Bombard, Y., Thaldar, D., Liu, et al
  2024
- **Large language models outperform traditional natural language processing methods in extracting patient-reported outcomes in IBD.** *medRxiv : the preprint server for health sciences*
  Patel, P. V., Davis, C., Ralbovsky, A., Tinoco, D., Williams, C. Y., Slatter, S., Naderalvojoud, B., Rosen, M. J., Hernandez-Boussard, T., Rudrapatna, V.

2024

- **AI and biosecurity: The need for governance.** *Science (New York, N.Y.)*
  Bloomfield, D., Pannu, J., Zhu, A. W., Ng, M. Y., Lewis, A., Bendavid, E., Asch, S. M., Hernandez-Boussard, T., Cicero, A., Inglesby, T.
  2024; 385 (6711): 831-833

- **Applying natural language processing to patient messages to identify depression concerns in cancer patients.** *Journal of the American Medical Informatics Association : JAMIA*
  van Buchem, M. M., de Hond, A. A., Fanconi, C., Shah, V., Schuessler, M., Kant, I. M., Steyerberg, E. W., Hernandez-Boussard, T.
  2024

- **Using large language models to assess public perceptions around glucagon-like peptide-1 receptor agonists on social media.** *Communications medicine*
  Somani, S., Jain, S. S., Sarraju, A., Sandhu, A. T., Hernandez-Boussard, T., Rodriguez, F.
  2024; 4 (1): 137

- **Improving postsurgical fall detection for older Americans using LLM-driven analysis of clinical narratives.** *medRxiv : the preprint server for health sciences*
  Pillai, M., Blumke, T. L., Studnia, J., Wang, Y., Veigulis, Z. P., Ware, A. D., Hoover, P. J., Carroll, I. R., Humphreys, K., Osborne, T. F., Asch, S. M., Hernandez-Boussard, T., Curtin, et al
  2024

- **Long-Term Epidural Patching Outcomes and Predictors of Benefit in Patients With Suspected CSF Leak Nonconforming to ICHD-3 Criteria.** *Neurology*
  Carroll, I., Han, L., Zhang, N., Cowan, R. P., Lanzman, B., Hashmi, S., Barad, M. J., Peretz, A., Moskatel, L., Ogunlaja, O., Hah, J. M., Hindiyeh, N., Barch, et al
  2024; 102 (12): e209449

- **Predictability of buprenorphine-naloxone treatment retention: A multi-site analysis combining electronic health records and machine learning.** *Addiction (Abingdon, England)*
  Nateghi Haredasht, F., Fouladvand, S., Tate, S., Chan, M. M., Yeow, J. J., Griffiths, K., Lopez, I., Bertz, J. W., Miner, A. S., Hernandez-Boussard, T., Chen, C. A., Deng, H., Humphreys, et al
  2024

- **Equity in the Setting of Heart Failure Diagnosis: An Analysis of Differences Between and Within Clinician Practices.** *Circulation. Heart failure*
  Gupta, A., Tisdale, R. L., Calma, J., Stafford, R. S., Maron, D. J., Hernandez-Boussard, T., Ambrosy, A. P., Heidenreich, P. A., Sandhu, A. T.
  2024: e010718

- **ENHANCED PHENOTYPE IDENTIFICATION OF COMMON OCULAR DISEASES IN REAL-WORLD DATASETS**
  Stein, J. D., An, H., Andrews, C., Pershing, S., Mungle, T., Bicket, A., Rosenthal, J. M., Zhang, A., Lee, W., Ludwig, C., Mekonnen, B., Hernandez-Boussard, T.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024

- **DEVELOPMENT AND VALIDATION OF RISK PREDICTION TOOLS FOR PRESSURE INJURY OCCURRENCE: AN UMBRELLA REVIEW**
  Hillier, B., Scandrett, K., Coombe, A., Hernandez-Boussard, T., Steyerberg, E., Takwoingi, Y., Velickovic, V., Dinnes, J.
  ELSEVIER SCIENCE INC.2024: S272

- **The Impact of Race, Ethnicity, and Sex on Fairness in Artificial Intelligence for Glaucoma**
  Wang, S. Y., Ravindranath, R., Hernandez-Boussard, T., Stein, J. D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024

- **Contemporary attitudes and beliefs on coronary artery calcium from social media using artificial intelligence.** *NPJ digital medicine*
  Somani, S., Balla, S., Peng, A. W., Dudum, R., Jain, S., Nasir, K., Maron, D. J., Hernandez-Boussard, T., Rodriguez, F.
  2024; 7 (1): 83

- **Towards global model generalizability: independent cross-site feature evaluation for patient-level risk prediction models using the OHDSI network.** *Journal of the American Medical Informatics Association : JAMIA*
  Naderalvojoud, B., Curtin, C. M., Yanover, C., El-Hay, T., Choi, B., Park, R. W., Tabuenca, J. G., Reeve, M. P., Falconer, T., Humphreys, K., Asch, S. M., Hernandez-Boussard, T.
  2024

- **Measuring quality-of-care in treatment of young children with attention-deficit/hyperactivity disorder using pre-trained language models.** *Journal of the American Medical Informatics Association : JAMIA*
  Pillai, M., Posada, J., Gardner, R. M., Hernandez-Boussard, T., Bannett, Y.
  2024
- **Predicting Depression Risk in Patients With Cancer Using Multimodal Data: Algorithm Development Study.** *JMIR medical informatics*
  de Hond, A., van Buchem, M., Fanconi, C., Roy, M., Blayney, D., Kant, I., Steyerberg, E., Hernandez-Boussard, T.
  2024; 12: e51925
- **The Next Era of Assessment: Building a Trustworthy Assessment System.** *Perspectives on medical education*
  Caretta-Weyer, H. A., Smirnova, A., Barone, M. A., Frank, J. R., Hernandez-Boussard, T., Levinson, D., Lombarts, K. M., Lomis, K. D., Martini, A., Schumacher, D. J., Turner, D. A., Schuh, A.
  2024; 13 (1): 12-23
- **FairEHR-CLP: Towards Fairness-Aware Clinical Predictions with Contrastive Learning in Multimodal Electronic Health Records**
  Wang, Y., Pillai, M., Zhao, Y., Curtin, C., Hernandez-Boussard, T.
  edited by Deshpande, K., Fiterau, M., Joshi, S., Lipton, Z., Ranganath, R., Urteaga
  JMLR-JOURNAL MACHINE LEARNING RESEARCH.2024
- **Perceptions of Data Set Experts on Important Characteristics of Health Data Sets Ready for Machine Learning: A Qualitative Study.** *JAMA network open*
  Ng, M. Y., Youssef, A., Miner, A. S., Sarellano, D., Long, J., Larson, D. B., Hernandez-Boussard, T., Langlotz, C. P.
  2023; 6 (12): e2345892
- **Organizational Factors in Clinical Data Sharing for Artificial Intelligence in Health Care.** *JAMA network open*
  Youssef, A., Ng, M. Y., Long, J., Hernandez-Boussard, T., Shah, N., Miner, A., Larson, D., Langlotz, C. P.
  2023; 6 (12): e2348422
- **Trends in Influenza Vaccination Rates among a Medicaid Population from 2016 to 2021.** *Vaccines*
  Naderalvojoud, B., Shah, N. D., Mutanga, J. N., Belov, A., Staiger, R., Chen, J. H., Whitaker, B., Hernandez-Boussard, T.
  2023; 11 (11)
- **Promoting Equity In Clinical Decision Making: Dismantling Race-Based Medicine.** *Health affairs (Project Hope)*
  Hernandez-Boussard, T., Siddique, S. M., Bierman, A. S., Hightower, M., Burstin, H.
  2023; 42 (10): 1369-1373
- **Postoperative opioid prescribing patients with diabetes: Opportunities for personalized pain management.** *PloS one*
  Zammit, A., Coquet, J., Hah, J., El Hajouji, O., Asch, S. M., Carroll, I., Curtin, C. M., Hernandez-Boussard, T.
  2023; 18 (8): e0287697
- **Prediction of opioid-related outcomes in a medicaid surgical population: Evidence to guide postoperative opiate therapy and monitoring.** *PLoS computational biology*
  El Hajouji, O., Sun, R. S., Zammit, A., Humphreys, K., Asch, S. M., Carroll, I., Curtin, C. M., Hernandez-Boussard, T.
  2023; 19 (8): e1011376
- **Preoperative Versus Perioperative Risk Factors for Delayed Pain and Opioid Cessation After Total Joint Arthroplasty: A Prospective Cohort Study.** *Pain and therapy*
  Hah, J. M., Vialard, J. D., Efron, B., Mackey, S. C., Carroll, I. R., Amanatullah, D. F., Narasimhan, B., Hernandez-Boussard, T.
  2023
- **Patient-reported distress at a cancer center during the COVID-19 pandemic.** *Scientific reports*
  Shah, M. P., Rosenthal, S. W., Roy, M., Khaki, A. R., Hernandez-Boussard, T., Ramchandran, K.
  2023; 13 (1): 9581
- **A Bayesian approach to predictive uncertainty in chemotherapy patients at risk of acute care utilization.** *EBioMedicine*
  Fanconi, C., de Hond, A., Peterson, D., Capodici, A., Hernandez-Boussard, T.
  2023; 92: 104632
- **Natural language processing to identify reasons for sex disparity in statin prescriptions.** *American journal of preventive cardiology*
  Witting, C., Azizi, Z., Gomez, S. E., Zammit, A., Sarraju, A., Ngo, S., Hernandez-Boussard, T., Rodriguez, F.

2023; 14: 100496

- **Predicting Depression Risk in Patients with Cancer Using Multimodal Data.** *Studies in health technology and informatics*
  de Hond, A., van Buchem, M., Fanconi, C., Roy, M., Blayney, D., Kant, I., Steyerberg, E., Hernandez-Boussard, T.
  2023; 302: 817-818
- **Perspectives on validation of clinical predictive algorithms.** *NPJ digital medicine*
  de Hond, A. A., Shah, V. B., Kant, I. M., Van Calster, B., Steyerberg, E. W., Hernandez-Boussard, T.
  2023; 6 (1): 86
- **Multimodal data fusion for cancer biomarker discovery with deep learning** *NATURE MACHINE INTELLIGENCE*
  Steyaert, S., Pizurica, M., Nagaraj, D., Khandelwal, P., Hernandez-Boussard, T., Gentles, A. J., Gevaert, O.
  2023
- **Artificial Intelligence-Enabled Analysis of Statin-Related Topics and Sentiments on Social Media.** *JAMA network open*
  Somani, S., van Buchem, M. M., Sarraju, A., Hernandez-Boussard, T., Rodriguez, F.
  2023; 6 (4): e239747
- **Multimodal data fusion for cancer biomarker discovery with deep learning.** *Nature machine intelligence*
  Steyaert, S., Pizurica, M., Nagaraj, D., Khandelwal, P., Hernandez-Boussard, T., Gentles, A. J., Gevaert, O.
  2023; 5 (4): 351-362
- **Identifying Reasons for Statin Nonuse in Patients With Diabetes Using Deep Learning of Electronic Health Records.** *Journal of the American Heart Association*
  Sarraju, A., Zammit, A., Ngo, S., Witting, C., Hernandez-Boussard, T., Rodriguez, F.
  2023: e028120
- **TOPICS AND SENTIMENTS AROUND STATINS ON REDDIT USING ARTIFICIAL INTELLIGENCE**
  Somani, S., Van Buchem, M., Sarraju, A., Hernandez-Boussard, T., Rodriguez, F.
  ELSEVIER SCIENCE INC.2023: 1637
- **Correction to: Predict, diagnose, and treat chronic kidney disease with machine learning: a systematic literature review.** *Journal of nephrology*
  Sanmarchi, F., Fanconi, C., Golinelli, D., Gori, D., Hernandez-Boussard, T., Capodici, A.
  2023
- **A deep-learning algorithm to classify skin lesions from mpox virus infection.** *Nature medicine*
  Thieme, A. H., Zheng, Y., Machiraju, G., Sadee, C., Mittermaier, M., Gertler, M., Salinas, J. L., Srinivasan, K., Gyawali, P., Carrillo-Perez, F., Capodici, A., Uhlig, M., Habenicht, et al
  2023
- **Predict, diagnose, and treat chronic kidney disease with machine learning: a systematic literature review.** *Journal of nephrology*
  Sanmarchi, F., Fanconi, C., Golinelli, D., Gori, D., Hernandez-Boussard, T., Capodici, A.
  2023
- **Predicting premature discontinuation of medication for opioid use disorder from electronic medical records.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Lopez, I., Fouladvand, S., Kollins, S., Chen, C. A., Bertz, J., Hernandez-Boussard, T., Lembke, A., Humphreys, K., Miner, A. S., Chen, J. H.
  2023; 2023: 1067-1076
- **Improving machine learning with ensemble learning on observational healthcare data.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Naderalvojoud, B., Hernandez-Boussard, T.
  2023; 2023: 521-529
- **Natural Language Processing Methods to Identify Oncology Patients at High Risk for Acute Care with Clinical Notes.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
  Fanconi, C., van Buchem, M., Hernandez-Boussard, T.
  2023; 2023: 138-147
- **Censored Fairness through Awareness**

Zhang, W., Hernandez-Boussard, T., Weiss, J.
edited by Williams, B., Chen, Y., Neville, J.
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2023: 14611-14619

- **Changes in Medicaid enrollment during the COVID-19 pandemic across 6 states.** *Medicine*
  Sun, R., Staiger, B., Chan, A., Baker, L. C., Hernandez-Boussard, T.
  2022; 101 (52): e32487

- **Predictors of Incident HeartFailure Diagnosis Setting: Insights From the Veterans Affairs Healthcare System.** *JACC. Heart failure*
  Tisdale, R. L., Fan, J., Calma, J., Cyr, K., Podchiyska, T., Stafford, R. S., Maron, D. J., Hernandez-Boussard, T., Ambrosy, A., Heidenreich, P. A., Sandhu, A. T.
  2022

- **The AI life cycle: a holistic approach to creating ethical AI for health decisions.** *Nature medicine*
  Ng, M. Y., Kapur, S., Blizinsky, K. D., Hernandez-Boussard, T.
  2022

- **Leveraging weak supervision to perform named entity recognition in electronic health records progress notes to identify the ophthalmology exam.** *International journal of medical informatics*
  Wang, S. Y., Huang, J., Hwang, H., Hu, W., Tao, S., Hernandez-Boussard, T.
  2022; 167: 104864

- **Picture a data scientist: a call to action for increasing diversity, equity, and inclusion in the age of AI.** *Journal of the American Medical Informatics Association : JAMIA*
  de Hond, A. A., van Buchem, M. M., Hernandez-Boussard, T.
  2022

- **A Comparison of Logistic Regression Against Machine Learning Algorithms for Gastric Cancer Risk Prediction Within Real-World Clinical Data Streams.** *JCO clinical cancer informatics*
  Huang, R. J., Kwon, N. S., Tomizawa, Y., Choi, A. Y., Hernandez-Boussard, T., Hwang, J. H.
  2022; 6: e2200039

- **Named entity recognition in ophthalmology clinical progress notes: What's in the eye exam?**
  Wang, S. Y., Huang, J., Hwang, H., Hu, W., Hernandez-Boussard, T.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Deep Learning Approaches for Predicting Glaucoma Progression Using Electronic Health Records and Natural Language Processing.** *Ophthalmology science*
  Wang, S. Y., Tseng, B., Hernandez-Boussard, T.
  2022; 2 (2): 100127

- **Patient-reported distress at a cancer center during the COVID-19 pandemic.**
  Shah, M. P., Rosenthal, S., Roy, M., Khaki, A., Hernandez-Boussard, T., Ramchandran, K.
  LIPPINCOTT WILLIAMS & WILKINS.2022: E18644

- **Analyzing real world data of blood transfusion adverse events: Opportunities and challenges.** *Transfusion*
  Jhaveri, P., Bozkurt, S., Moyal, A., Belov, A., Anderson, S., Shan, H., Whitaker, B., Hernandez-Boussard, T.
  2022

- **Outcomes of Primary Trabeculectomy versus Combined Phacoemulsification-Trabeculectomy Using Automated Electronic Health Record Data Extraction.** *Current eye research*
  Davila, J. R., Singh, K., Hernandez-Boussard, T., Wang, S.
  2022: 1-7

- **Opioid2MME: Standardizing opioid prescriptions to morphine milligram equivalents from electronic health records.** *International journal of medical informatics*
  Lossio-Ventura, J. A., Song, W., Sainlaire, M., Dykes, P. C., Hernandez-Boussard, T.
  2022; 162: 104739

- **Cost-Effectiveness Analysis and Microsimulation of Serial Multiparametric Magnetic Resonance Imaging in Active Surveillance of Localized Prostate Cancer.** *The Journal of urology*

Magnani, C. J., Hernandez-Boussard, T., Baker, L. C., Goldhaber-Fiebert, J. D., Brooks, J. D.
2022: 101097JU0000000000002490

- **Peeking into a black box, the fairness and generalizability of a MIMIC-III benchmarking model** *SCIENTIFIC DATA*
  Roosli, E., Bozkurt, S., Hernandez-Boussard, T.
  2022; 9 (1): 24

- **Exploring approaches for predictive cancer patient digital twins: Opportunities for collaboration and innovation.** *Frontiers in digital health*
  Stahlberg, E. A., Abdel-Rahman, M., Aguilar, B., Asadpoure, A., Beckman, R. A., Borkon, L. L., Bryan, J. N., Cebulla, C. M., Chang, Y. H., Chatterjee, A., Deng, J., Dolatshahi, S., Gevaert, et al
  2022; 4: 1007784

- **Clinical concept recognition: Evaluation of existing systems on EHRs.** *Frontiers in artificial intelligence*
  Lossio-Ventura, J. A., Sun, R., Boussard, S., Hernandez-Boussard, T.
  2022; 5: 1051724

- **Changes in postoperative opioid prescribing across three diverse healthcare systems, 2010-2020.** *Frontiers in digital health*
  Coquet, J., Zammit, A., Hajouji, O. E., Humphreys, K., Asch, S. M., Osborne, T. F., Curtin, C. M., Hernandez-Boussard, T.
  2022; 4: 995497

- **Prescription quantity and duration predict progression from acute to chronic opioid use in opioid-naive Medicaid patients.** *PLOS digital health*
  Johnson, D. G., Ho, V. T., Hah, J. M., Humphreys, K., Carroll, I., Curtin, C., Asch, S. M., Hernandez-Boussard, T.
  2022; 1 (8)

- **Using deep learning-based natural language processing to identify reasons for statin nonuse in patients with atherosclerotic cardiovascular disease.** *Communications medicine*
  Sarraju, A., Coquet, J., Zammit, A., Chan, A., Ngo, S., Hernandez-Boussard, T., Rodriguez, F.
  2022; 2: 88

- **Expanding the Secondary Use of Prostate Cancer Real World Data: Automated Classifiers for Clinical and Pathological Stage.** *Frontiers in digital health*
  Bozkurt, S., Magnani, C. J., Seneviratne, M. G., Brooks, J. D., Hernandez-Boussard, T.
  2022; 4: 793316

- **Digital twins for predictive oncology will be a paradigm shift for precision cancer care.** *Nature medicine*
  Hernandez-Boussard, T., Macklin, P., Greenspan, E. J., Gryshuk, A. L., Stahlberg, E., Syeda-Mahmood, T., Shmulevich, I.
  2021

- **Major disparities in COVID-19 test positivity for patients with non-English preferred language even after accounting for race and social factors in the United States in 2020.** *BMC public health*
  Cohen-Cline, H., Li, H., Gill, M., Rodriguez, F., Hernandez-Boussard, T., Wolberg, H., Lippa, J., Vartanian, K.
  2021; 21 (1): 2121

- **Characterizing patient flow after an academic hospital merger and acquisition.** *The American journal of managed care*
  Sun, R., Bozkurt, S., Winget, M., Cullen, M. R., Seto, T., Hernandez-Boussard, T.
  2021; 27 (10): e343-e348

- **Patients' perception of meaning of life and needed support before and after cancer treatment initiation**
  Roy, M., Rosenthal, S., Shah, M., Khaki, A., Hernandez-Boussard, T., Ramchandran, K.
  SPRINGER.2021: S156-S157

- **Association of treatment type with patient-reported quality of life in cancer distress screening**
  Roy, M., Rosenthal, S., Shah, M. P., Khaki, A., Bozkurt, S., Seto, T., Blayney, D. W., Hernandez-Boussard, T., Ramchandran, K.
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **Gaps in standardized postoperative pain management quality measures: A systematic review.** *Surgery*
  Joseph, J. M., Gori, D., Curtin, C., Hah, J., Ho, V. T., Asch, S. M., Hernandez-Boussard, T.
  2021

- **REAL-WORLD VALIDATION AND GENERALIZABILITY OF A PSAK PREDICTION TOOL FOR ACTIVE SURVEILLANCE RECLASSIFICATION**

Magnani, C. J., Moyal, A., Erdogdu, B., Peterson, D. J., Bozkurt, S., Hernandez-Boussard, T., Brooks, J. D.
LIPPINCOTT WILLIAMS & WILKINS.2021: E1094-E1095

- **Health management via telemedicine: Learning from the COVID-19 experience.** *Journal of the American Medical Informatics Association : JAMIA*
  Sun, R., Blayney, D. W., Hernandez-Boussard, T.
  2021
- **Disparity in the Setting of Incident Heart Failure Diagnosis.** *Circulation. Heart failure*
  Sandhu, A. T., Tisdale, R. L., Rodriguez, F., Stafford, R. S., Maron, D. J., Hernandez-Boussard, T., Lewis, E., Heidenreich, P. A.
  2021: CIRCHEARTFAILURE121008538
- **Diverse patient trajectories during cytotoxic chemotherapy: Capturing longitudinal patient-reported outcomes.** *Cancer medicine*
  Azad, A. D., Yilmaz, M., Bozkurt, S., Brooks, J. D., Blayney, D. W., Hernandez-Boussard, T.
  2021
- **Evaluation of clustering and topic modeling methods over health-related tweets and emails.** *Artificial intelligence in medicine*
  Lossio-Ventura, J. A., Gonzales, S., Morzan, J., Alatrista-Salas, H., Hernandez-Boussard, T., Bian, J.
  2021; 117: 102096
- **Type 1 Diabetes Management With Technology: Patterns of Utilization and Effects on Glucose Control Using Real-World Evidence.** *Clinical diabetes : a publication of the American Diabetes Association*
  Sun, R., Banerjee, I., Sang, S., Joseph, J., Schneider, J., Hernandez-Boussard, T.
  2021; 39 (3): 284-292
- **Increases in SARS-CoV-2 Test Positivity Rates Among Hispanic People in a Northern California Health System.** *Public health reports (Washington, D.C. : 1974)*
  Rodriguez, F., Coquet, J., Harrington, R., Hernandez-Boussard, T.
  2021: 333549211026778
- **Identification of patients at high risk for preventable emergency department visits and inpatient admissions after starting chemotherapy: Machine learning applied to comprehensive electronic health record data.**
  Peterson, D. J., Ostberg, N. P., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T.
  LIPPINCOTT WILLIAMS & WILKINS.2021
- **PREDICTORS OF SETTING OF HEART FAILURE DIAGNOSIS**
  Tisdale, R., Stafford, R., Maron, D., Hernandez-Boussard, T., Rodriguez, F., Heidenreich, P., Sandhu, A.
  ELSEVIER SCIENCE INC.2021: 676
- **IDENTIFYING REASONS FOR STATIN NONADHERENCE IN A DIVERSE, REAL-WORLD POPULATION USING ELECTRONIC HEALTH RECORDS AND NATURAL LANGUAGE PROCESSING**
  Sarraju, A., Coquet, J., Chan, A., Ngo, S., Lossio-Ventura, J., Hernandez-Boussard, T., Rodriguez, F.
  ELSEVIER SCIENCE INC.2021: 1665
- **Learning from Past Respiratory Failure Patients to Triage COVID-19 Patient Ventilator Needs: A Multi-Institutional Study.** *Journal of biomedical informatics*
  Carmichael, H., Coquet, J., Sun, R., Sang, S., Groat, D., Asch, S. M., Bledsoe, J., Peltan, I. D., Jacobs, J. R., Hernandez-Boussard, T.
  2021: 103802
- **Development and evaluation of novel ophthalmology domain-specific neural word embeddings to predict visual prognosis.** *International journal of medical informatics*
  Wang, S., Tseng, B., Hernandez-Boussard, T.
  2021; 150: 104464
- **Prevalence of Postprostatectomy Incontinence Requiring Anti-incontinence Surgery After Radical Prostatectomy for Prostate Cancer: A Retrospective Population-Based Analysis.** *International neurourology journal*
  Kim, J. H., Jeong, I. G., Khandwala, Y. S., Hernandez-Boussard, T., Brooks, J. D., Chung, B. I.
  2021
- **Conflicting information from the Food and Drug Administration: Missed opportunity to lead standards for safe and effective medical artificial intelligence solutions.** *Journal of the American Medical Informatics Association : JAMIA*

Hernandez-Boussard, T., Lundgren, M. P., Shah, N.
2021

- **Understanding the impact of the COVID-19 pandemic on physical and mental health**
  Cao, S., Din, H., Warren, C., Fitzpatrick, J., Hernandez-Boussard, T., Desai, M., Chinthrajah, S., Nadeau, K.
  MOSBY-ELSEVIER.2021: AB115
- **Assessment of a Clinical Trial-Derived Survival Model in Patients With Metastatic Castration-Resistant Prostate Cancer.** *JAMA network open*
  Coquet, J. n., Bievre, N. n., Billaut, V. n., Seneviratne, M. n., Magnani, C. J., Bozkurt, S. n., Brooks, J. D., Hernandez-Boussard, T. n.
  2021; 4 (1): e2031730
- **Real-world Evidence to Estimate Prostate Cancer Costs for First-line Treatment or Active Surveillance.** *European urology open science*
  Magnani, C. J., Bievre, N., Baker, L. C., Brooks, J. D., Blayney, D. W., Hernandez-Boussard, T.
  2021; 23: 20–29
- **Learning from past respiratory infections to predict COVID-19 Outcomes: A retrospective study.** *Journal of medical Internet research*
  Sang, S. n., Sun, R. n., Coquet, J. n., Carmichael, H. n., Seto, T. n., Hernandez-Boussard, T. n.
  2021
- **Real-world Evidence to Estimate Prostate Cancer Costs for First-line Treatment or Active Surveillance.** *European urology open science*
  Magnani, C. J., Bievre, N., Baker, L. C., Brooks, J. D., Blayney, D. W., Hernandez-Boussard, T.
  2021; 23: 20–29
- **Phenotyping severity of patient-centered outcomes using clinical notes: A prostate cancer use case.** *Learning health systems*
  Bozkurt, S., Paul, R., Coquet, J., Sun, R., Banerjee, I., Brooks, J. D., Hernandez-Boussard, T.
  2020; 4 (4): e10237
- **Linking heterogeneous data to enable knowledge discovery in health care.**
  Hernandez-Boussard, T.
  AMER ASSOC CANCER RESEARCH.2020: 19
- **Is the firearm epidemic in the US getting worse?**
  Tedesco, D., Adja, K. C., Rallo, F., Reno, C., Fantini, M. P., Hernandez-Boussard, T.
  OXFORD UNIV PRESS.2020: V411
- **Bias at Warp Speed: How AI may Contribute to the Disparities Gap in the Time of COVID-19.** *Journal of the American Medical Informatics Association : JAMIA*
  Roosli, E., Rice, B., Hernandez-Boussard, T.
  2020
- **Phenotyping severity of patient-centered outcomes using clinical notes: A prostate cancer use case** *LEARNING HEALTH SYSTEMS*
  Bozkurt, S., Paul, R., Coquet, J., Sun, R., Banerjee, I., Brooks, J. D., Hernandez-Boussard, T.
  2020
- **MINIMAR (MINimum Information for Medical AI Reporting): Developing reporting standards for artificial intelligence in health care.** *Journal of the American Medical Informatics Association : JAMIA*
  Hernandez-Boussard, T., Bozkurt, S., Ioannidis, J. P., Shah, N. H.
  2020
- **Intraocular Pressure Changes after Cataract Surgery in Patients with and without Glaucoma: An Informatics-Based Approach.** *Ophthalmology. Glaucoma*
  Wang, S. Y., Azad, A. D., Lin, S. C., Hernandez-Boussard, T., Pershing, S.
  2020
- **Four distinct patient-reported outcome (PRO) trajectories in longitudinal responses collected before, during, and after chemotherapy.**
  Blayney, D. W., Azad, A., Yilmaz, M., Bozkurt, S., Brooks, J. D., Hernandez-Boussard, T.
  AMER SOC CLINICAL ONCOLOGY.2020
- **MULTIPARAMETRIC MAGNETIC RESONANCE IMAGING AND RECLASSIFICATION FROM ACTIVE SURVEILLANCE**
  Magnani, C. J., Bievre, N., Erdogdu, B., Baker, L. C., Brooks, J. D., Hernandez-Boussard, T.
  LIPPINCOTT WILLIAMS & WILKINS.2020: E342–E343

- **Leveraging Digital Data to Inform and Improve Quality Cancer Care.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*
  Hernandez-Boussard, T., Blayney, D. W., Brooks, J. D.
  2020
- **The rise of non-traumatic extremity compartment syndrome in light of the opioid epidemic.** *The American journal of emergency medicine*
  Sheckter, C. C., Cebron, U., Suarez, P., Rochlin, D., Tedesco, D., Hernandez-Boussard, T., Curtin, C.
  2020
- **The Impact of Hospital Quality on Thyroid Cancer Survival.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
  Megwalu, U. C., Ma, Y. n., Hernandez-Boussard, T. n., Divi, V. n., Gomez, S. L.
  2020: 194599819900760
- **Contemporary Practices and Complications of Surgery for Thoracic Outlet Syndrome in the United States.** *Annals of vascular surgery*
  George, E. L., Arya, S. n., Rothenberg, K. A., Hernandez-Broussard, T. n., Ho, V. T., Stern, J. R., Gelabert, H. A., Lee, J. T.
  2020
- **Clinical Documentation to Predict Factors Associated with Urinary Incontinence Following Prostatectomy for Prostate Cancer** *RESEARCH AND REPORTS IN UROLOGY*
  Li, K., Banerjee, I., Magnani, C. J., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T.
  2020; 12: 7–14
- **Reporting of demographic data and representativeness in machine learning models using electronic health records.** *Journal of the American Medical Informatics Association : JAMIA*
  Bozkurt, S. n., Cahan, E. M., Seneviratne, M. G., Sun, R. n., Lossio-Ventura, J. A., Ioannidis, J. P., Hernandez-Boussard, T. n.
  2020
- **Preoperative Factors Associated with Remote Postoperative Pain Resolution and Opioid Cessation in a Mixed Surgical Cohort: Post Hoc Analysis of a Perioperative Gabapentin Trial.** *Journal of pain research*
  Hah, J. M., Hilmoe, H. n., Schmidt, P. n., McCue, R. n., Trafton, J. n., Clay, D. n., Sharifzadeh, Y. n., Ruchelli, G. n., Hernandez Boussard, T. n., Goodman, S. n., Huddleston, J. n., Maloney, W. J., Dirbas, et al
  2020; 13: 2959–70
- **Integrating Adjuvant Analgesics into Perioperative Pain Practice: Results from an Academic Medical Center** *PAIN MEDICINE*
  Chin, K., Carroll, I., Desai, K., Asch, S., Seto, T., McDonald, K. M., Curtin, C., Hernandez-Boussard, T.
  2020; 21 (1): 161–70
- **Patient Electronic Health Records Score for Preoperative Risk Assessment Before Total Knee Arthroplasty.** *JB & JS open access*
  Osborne, T. F., Suarez, P. n., Edwards, D. n., Hernandez-Boussard, T. n., Curtin, C. n.
  2020; 5 (2): e0061
- **Acute pain after breast surgery and reconstruction: A two-institution study of surgical factors influencing short-term pain outcomes.** *Journal of surgical oncology*
  Azad, A. D., Bozkurt, S. n., Wheeler, A. J., Curtin, C. n., Wagner, T. H., Hernandez-Boussard, T. n.
  2020
- **Improvement in Patient Safety May Precede Policy Changes: Trends in Patient Safety Indicators in the United States, 2000-2013.** *Journal of patient safety*
  Tedesco, D. n., Moghavem, N. n., Weng, Y. n., Fantini, M. P., Hernandez-Boussard, T. n.
  2020
- **Clinical Trial Outcomes in Urology: Assessing Early Discontinuation, Results Reporting, and Publication in ClinicalTrials.Gov Registrations 2007-2019.** *The Journal of urology*
  Magnani, C. J., Steinberg, J. R., Harmange, C. I., Zhang, X. n., Driscoll, C. n., Bell, A. n., Larson, J. n., You, J. G., Weeks, B. T., Turner, B. E., Brooks, J. D.
  2020: 101097JU0000000000001432
- **Association between patient-initiated emails and overall 2-year survival in cancer patients undergoing chemotherapy: Evidence from the real-world setting.** *Cancer medicine*
  Coquet, J. n., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T. n.

2020

- **Preoperative opioid use and postoperative pain associated with surgical readmissions** *AMERICAN JOURNAL OF SURGERY*
  Dasinger, E. A., Graham, L. A., Wahl, T. S., Richman, J. S., Baker, S. J., Hawn, M. T., Hernandez-Boussard, T., Rosen, A. K., Mull, H. J., Copeland, L. A., Whittle, J. C., Burns, E. A., Morris, et al
  2019; 218 (5): 828–35

- **Clinical named-entity recognition: A short comparison.** *Proceedings. IEEE International Conference on Bioinformatics and Biomedicine*
  Lossio-Ventura, J. A., Boussard, S., Morzan, J., Hernandez-Boussard, T.
  2019; 2019: 1548-1550

- **Clustering and topic modeling over tweets: A comparison over a health dataset.** *Proceedings. IEEE International Conference on Bioinformatics and Biomedicine*
  Lossio-Ventura, J. A., Morzan, J., Alatrista-Salas, H., Hernandez-Boussard, T., Bian, J.
  2019; 2019: 1544-1547

- **Trajectory analysis for postoperative pain using electronic health records: A nonparametric method with robust linear regression and K-medians cluster analysis.** *Health informatics journal*
  Weng, Y., Tian, L., Tedesco, D., Desai, K., Asch, S. M., Carroll, I., Curtin, C., McDonald, K. M., Hernandez-Boussard, T.
  2019: 1460458219881339

- **Automated extraction of ophthalmic surgery outcomes from the electronic health record.** *International journal of medical informatics*
  Wang, S. Y., Pershing, S., Tran, E., Hernandez-Boussard, T.
  2019; 133: 104007

- **Predicting the Incidence of Pressure Ulcers in the Intensive Care Unit Using Machine Learning.** *EGEMS (Washington, DC)*
  Cramer, E. M., Seneviratne, M. G., Sharifi, H., Ozturk, A., Hernandez-Boussard, T.
  2019; 7 (1): 49

- **Extracting Patient-Centered Outcomes from Clinical Notes in Electronic Health Records: Assessment of Urinary Incontinence After Radical Prostatectomy.** *EGEMS (Washington, DC)*
  Gori, D., Banerjee, I., Chung, B. I., Ferrari, M., Rucci, P., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T.
  2019; 7 (1): 43

- **Putting the data before the algorithm in big data addressing personalized healthcare** *NPJ DIGITAL MEDICINE*
  Cahan, E. M., Hernandez-Boussard, T., Thadaney-Israni, S., Rubin, D. L.
  2019; 2: 78

- **Real world evidence in cardiovascular medicine: assuring data validity in electronic health record-based studies.** *Journal of the American Medical Informatics Association : JAMIA*
  Hernandez-Boussard, T., Monda, K. L., Crespo, B. C., Riskin, D.
  2019

- **Perioperative opioid use and pain-related outcomes in the Veterans Health Administration.** *American journal of surgery*
  Hernandez-Boussard, T., Graham, L. A., Carroll, I., Dasinger, E. A., Titan, A. L., Morris, M. S., Hawn, M. T.
  2019

- **Comparison of orthogonal NLP methods for clinical phenotyping and assessment of bone scan utilization among prostate cancer patients** *JOURNAL OF BIOMEDICAL INFORMATICS*
  Coquet, J., Bozkurt, S., Kan, K. M., Ferrari, M. K., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T.
  2019; 94

- **Integrating Adjuvant Analgesics into Perioperative Pain Practice: Results from an Academic Medical Center.** *Pain medicine (Malden, Mass.)*
  Chin, K., Carroll, I., Desai, K., Asch, S., Seto, T., McDonald, K. M., Curtin, C., Hernandez-Boussard, T.
  2019

- **Utilization of Prostate Cancer Quality Metrics for Research and Quality Improvement: A Structured Review** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*
  Gori, D., Dulal, R., Blayney, D. W., Brooks, J. D., Fantini, M. P., McDonald, K. M., Hernandez-Boussard, T.
  2019; 45 (3): 217–26

- **Preoperative opioid use and postoperative pain associated with surgical readmissions.** *American journal of surgery*
  Dasinger, E. A., Graham, L. A., Wahl, T. S., Richman, J. S., Baker, S. J., Hawn, M. T., Hernandez-Boussard, T., Rosen, A. K., Mull, H. J., Copeland, L. A., Whittle, J. C., Burns, E. A., Morris, et al
  2019
- **Disparities in Access to Care Following Traumatic Digit Amputation.** *Hand (New York, N.Y.)*
  Long, C., Suarez, P. A., Hernandez-Boussard, T., Curtin, C.
  2019: 1558944718824700
- **PSA Testing Use and Prostate Cancer Diagnostic Stage After the 2012 U.S. Preventive Services Task Force Guideline Changes.** *Journal of the National Comprehensive Cancer Network : JNCCN*
  Magnani, C. J., Li, K. n., Seto, T. n., McDonald, K. M., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T. n.
  2019; 17 (7): 795–803
- **Clinical named-entity recognition: A short comparison**
  Lossio-Ventura, J., Boussard, S., Morzan, J., Hernandez-Boussard, T.
  edited by Yoo, I. H., Bi, J. B., Hu
  IEEE.2019: 1548–50
- **Understanding Patient Attitudes Toward Multifocal Intraocular Lenses in Online Medical Forums Through Sentiment Analysis**
  Wang, S. Y., Hernandez-Boussard, T., Chang, R. T., Pershing, S.
  edited by OhnoMachado, L., Seroussi, B.
  IOS PRESS.2019: 1378–82
- **Practice Patterns in Perioperative Nonopioid Analgesic Administration by Anesthesiologists in a Veterans Affairs Hospital.** *Pain medicine (Malden, Mass.)*
  Kwong, J. Z., Mudumbai, S. C., Hernandez-Boussard, T. n., Popat, R. A., Mariano, E. R.
  2019
- **Understanding Patient Attitudes Toward Multifocal Intraocular Lenses in Online Medical Forums Through Sentiment Analysis.** *Studies in health technology and informatics*
  Wang, S. Y., Hernandez-Boussard, T. n., Chang, R. T., Pershing, S. n.
  2019; 264: 1378–82
- **Machine Learning Approaches for Extracting Stage from Pathology Reports in Prostate Cancer.** *Studies in health technology and informatics*
  Lenain, R. n., Seneviratne, M. G., Bozkurt, S. n., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T. n.
  2019; 264: 1522–23
- **Weakly supervised natural language processing for assessing patient-centered outcome following prostate cancer treatment.** *JAMIA open*
  Banerjee, I. n., Li, K. n., Seneviratne, M. n., Ferrari, M. n., Seto, T. n., Brooks, J. D., Rubin, D. L., Hemandez-Boussard, T. n.
  2019; 2 (1): 150–59
- **Predicting inadequate postoperative pain management in depressed patients: A machine learning approach.** *PloS one*
  Parthipan, A., Banerjee, I., Humphreys, K., Asch, S. M., Curtin, C., Carroll, I., Hernandez-Boussard, T.
  2019; 14 (2): e0210575
- **Merging heterogeneous clinical data to enable knowledge discovery.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
  Seneviratne, M. G., Kahn, M. G., Hernandez-Boussard, T.
  2019; 24: 439–43
- **Comparison of Orthogonal NLP Methods for Clinical Phenotyping and Assessment of Bone Scan Utilization among Prostate Cancer Patients.** *Journal of biomedical informatics*
  Coquet, J. n., Bozkurt, S. n., Kan, K. M., Ferrari, M. K., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T. n.
  2019: 103184
- **Is it possible to automatically assess pretreatment digital rectal examination documentation using natural language processing? A single-centre retrospective study.** *BMJ open*
  Bozkurt, S. n., Kan, K. M., Ferrari, M. K., Rubin, D. L., Blayney, D. W., Hernandez-Boussard, T. n., Brooks, J. D.
  2019; 9 (7): e027182

- **Is it possible to automatically assess pretreatment digital rectal examination documentation using natural language processing? A single-centre retrospective study.** *BMJ open*
  Bozkurt, S. n., Kan, K. M., Ferrari, M. K., Rubin, D. L., Blayney, D. W., Hernandez-Boussard, T. n., Brooks, J. D.
  2019; 9 (7): e027182
- **Extremely large outlier treatment effects may be a footprint of bias in trials from less developed countries: randomized trials of gabapentinoids.** *Journal of clinical epidemiology*
  Desai, K., Carroll, I., Asch, S., Hernandez-Boussard, T., Ioannidis, J. P.
  2018
- **Thirty-day unplanned postoperative inpatient and emergency department visits following thoracotomy.** *The Journal of surgical research*
  Shaffer, R., Backhus, L., Finnegan, M. A., Remington, A. C., Kwong, J. Z., Curtin, C., Hernandez-Boussard, T.
  2018; 230: 117–24
- **Impact of rehabilitation on mortality and readmissions after surgery for hip fracture** *BMC HEALTH SERVICES RESEARCH*
  Tedesco, D., Gibertoni, D., Rucci, P., Hernandez-Boussard, T., Rosa, S., Bianciardi, L., Rolli, M., Fantini, M.
  2018; 18: 701
- **Leveraging Health Information Technology to Measure and Report Patient Centered Outcomes**
  Hernandez-Boussard, T., Zimlichman, E.
  OXFORD UNIV PRESS.2018: 62–63
- **Utilization and effectiveness of multimodal discharge analgesia for postoperative pain management.** *The Journal of surgical research*
  Desai, K., Carroll, I., Asch, S. M., Seto, T., McDonald, K. M., Curtin, C., Hernandez-Boussard, T.
  2018; 228: 160–69
- **Architecture and Implementation of a Clinical Research Data Warehouse for Prostate Cancer.** *EGEMS (Washington, DC)*
  Seneviratne, M. G., Seto, T., Blayney, D. W., Brooks, J. D., Hernandez-Boussard, T.
  2018; 6 (1): 13
- **Treatment of Degenerative Lumbar Spondylolisthesis With Fusion or Decompression Alone Results in Similar Rates of Reoperation at 5 Years.** *Clinical spine surgery*
  Vorhies, J. S., Hernandez-Boussard, T. n., Alamin, T. n.
  2018; 31 (1): E74–E79
- **Distribution of global health measures from routinely collected PROMIS surveys in patients with breast cancer or prostate cancer.** *Cancer*
  Seneviratne, M. G., Bozkurt, S. n., Patel, M. I., Seto, T. n., Brooks, J. D., Blayney, D. W., Kurian, A. W., Hernandez-Boussard, T. n.
  2018
- **Advances in Electronic Phenotyping: From Rule-Based Definitions to Machine Learning Models** *ANNUAL REVIEW OF BIOMEDICAL DATA SCIENCE, VOL 1*
  Banda, J. M., Seneviratne, M., Hernandez-Boussard, T., Shah, N. H.
  edited by Altman, R. B., Levitt, M.
  2018; 1: 53–68
- **Identifying Cases of Metastatic Prostate Cancer Using Machine Learning on Electronic Health Records.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Seneviratne, M. G., Banda, J. M., Brooks, J. D., Shah, N. H., Hernandez-Boussard, T. M.
  2018; 2018: 1498–1504
- **An Automated Feature Engineering for Digital Rectal Examination Documentation using Natural Language Processing.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Bozkurt, S., Park, J. I., Kan, K. M., Ferrari, M., Rubin, D. L., Brooks, J. D., Hernandez-Boussard, T.
  2018; 2018: 288–94
- **Secondary use of electronic medical records for clinical research: Challenges and Opportunities.** *Convergent science physical oncology*
  Yim, W. W., Wheeler, A. J., Curtin, C. n., Wagner, T. H., Hernandez-Boussard, T. n.
  2018; 4 (1)
- **Defining Postoperative Opioid Needs Among Preoperative Opioid Users.** *JAMA surgery*
  Hah, J. n., Hernandez-Boussard, T. n.

2018

- **Evidence of Drug-Free Interventions for Postoperative Pain Management After Total Knee Arthroplasty-Reply.** *JAMA surgery*
  Hernandez-Boussard, T. n., Gori, D. n., Tedesco, D. n.
  2018

- **IDENTIFICATION OF PATIENTS AT HIGH RISK FOR POOR PAIN MANAGEMENT USING CLINICAL PATHWAYS WITHIN EHRS**
  Hernandez-Boussard, T., Desai, K.
  OXFORD UNIV PRESS.2017: 20

- **Sutureless vs Sutured Gastroschisis Closure: A Prospective Randomized Controlled Trial.** *Journal of the American College of Surgeons*
  Bruzoni, M., Jaramillo, J. D., Dunlap, J. L., Abrajano, C., Stack, S. W., Hintz, S. R., Hernandez-Boussard, T., Dutta, S.
  2017; 224 (6): 1091-1096 e1

- **Effect of Medicare's Nonpayment Policy on Surgical Site Infections Following Orthopedic Procedures.** *Infection control and hospital epidemiology*
  Kwong, J. Z., Weng, Y., Finnegan, M., Schaffer, R., Remington, A., Curtin, C., McDonald, K. M., Bhattacharya, J., Hernandez-Boussard, T.
  2017: 1-6

- **A Double-Blind Placebo Randomized Controlled Trial of Minocycline to Reduce Pain After Carpal Tunnel and Trigger Finger Release.** *journal of hand surgery*
  Curtin, C. M., Kenney, D., Suarez, P., Hentz, V. R., Hernandez-Boussard, T., Mackey, S., Carroll, I. R.
  2017; 42 (3): 166-174

- **The Fifth Vital Sign: Postoperative Pain Predicts 30-day Readmissions and Subsequent Emergency Department Visits.** *Annals of surgery*
  Hernandez-Boussard, T. n., Graham, L. A., Desai, K. n., Wahl, T. S., Aucoin, E. n., Richman, J. S., Morris, M. S., Itani, K. M., Telford, G. L., Hawn, M. T.
  2017

- **Mining Electronic Health Records to Extract Patient-Centered Outcomes Following Prostate Cancer Treatment.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
  Hernandez-Boussard, T., Kourdis, P. D., Seto, T., Ferrari, M., Blayney, D. W., Rubin, D., Brooks, J. D.
  2017; 2017: 876–82

- **Enhanced Quality Measurement Event Detection: An Application to Physician Reporting.** *EGEMS (Washington, DC)*
  Tamang, S. R., Hernandez-Boussard, T. n., Ross, E. G., Gaskin, G. n., Patel, M. I., Shah, N. H.
  2017; 5 (1): 5

- **The Epidemiology of Retinopathy of Prematurity in the United States.** *Ophthalmic surgery, lasers & imaging retina*
  Ludwig, C. A., Chen, T. A., Hernandez-Boussard, T. n., Moshfeghi, A. A., Moshfeghi, D. M.
  2017; 48 (7): 553–62

- **Temporal Relationship of Onset of Necrotizing Enterocolitis and Introduction of Enteric Feedings and Powdered Milk Fortifier.** *American journal of perinatology*
  Vaks, Y. n., Birnie, K. L., Carmichael, S. L., Hernandez-Boussard, T. n., Benitz, W. E.
  2017

- **Emergency Department Visits Following Elective Total Hip and Knee Replacement Surgery: Identifying Gaps in Continuity of Care.** *The Journal of bone and joint surgery. American volume*
  Finnegan, M. A., Shaffer, R. n., Remington, A. n., Kwong, J. n., Curtin, C. n., Hernandez-Boussard, T. n.
  2017; 99 (12): 1005–12

- **Drug-Free Interventions to Reduce Pain or Opioid Consumption After Total Knee Arthroplasty: A Systematic Review and Meta-analysis.** *JAMA surgery*
  Tedesco, D. n., Gori, D. n., Desai, K. R., Asch, S. n., Carroll, I. R., Curtin, C. n., McDonald, K. M., Fantini, M. P., Hernandez-Boussard, T. n.
  2017: e172872

- **Opioid Abuse And Poisoning: Trends In Inpatient And Emergency Department Discharges.** *Health affairs (Project Hope)*
  Tedesco, D. n., Asch, S. M., Curtin, C. n., Hah, J. n., McDonald, K. M., Fantini, M. P., Hernandez-Boussard, T. n.
  2017; 36 (10): 1748–53

- **Characterization of Young Adult Emergency Department Users: Evidence to Guide Policy** *JOURNAL OF ADOLESCENT HEALTH*
  Burns, C., Wang, N. E., Goldstein, B. A., Hernandez-Boussard, T.
  2016; 59 (6): 654-661

- **Cataract Surgery Complications and Revisit Rates Among Three States** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
  Pershing, S., Morrison, D. E., Hernandez-Boussard, T.
  2016; 171: 130-138

- **Lymph Node Ratio Analysis After Neoadjuvant Chemotherapy is Prognostic in Hormone Receptor-Positive and Triple-Negative Breast Cancer.** *Annals of surgical oncology*
  Tsai, J., Bertoni, D., Hernandez-Boussard, T., Telli, M. L., Wapnir, I. L.
  2016; 23 (10): 3310-3316

- **Risk-adjustment models for heart failure patients' 30-day mortality and readmission rates: the incremental value of clinical data abstracted from medical charts beyond hospital discharge record** *BMC HEALTH SERVICES RESEARCH*
  Lenzi, J., Avaldi, V. M., Hernandez-Boussard, T., Descovich, C., Castaldini, I., Urbinati, S., Di Pasquale, G., Rucci, P., Fantini, M. P.
  2016; 16

- **Evaluating patient safety indicators in orthopedic surgery between Italy and the USA** *INTERNATIONAL JOURNAL FOR QUALITY IN HEALTH CARE*
  Tedesco, D., Hernandez-Boussard, T., Carretta, E., Rucci, P., Rolli, M., Di Denia, P., McDonald, K., Fantini, M. P.
  2016; 28 (4): 486-491

- **Protecting Nipple Perfusion by Devascularization and Surgical Delay in Patients at Risk for Ischemic Complications During Nipple-Sparing Mastectomies** *ANNALS OF SURGICAL ONCOLOGY*
  Bertoni, D. M., Dung Nguyen, D., Rochlin, D., Hernandez-Boussard, T., Meyer, S., Choy, N., Gurtner, G. C., Wapnir, I. L.
  2016; 23 (8): 2665-2672

- **Analyzing treatment aggressiveness and identifying high-risk patients in diabetic foot ulcer return to care.** *Wound repair and regeneration*
  Remington, A. C., Hernandez-Boussard, T., Warstadt, N. M., Finnegan, M. A., Shaffer, R., Kwong, J. Z., Curtin, C.
  2016; 24 (4): 731-736

- **Relationship of Affordable Care Act Implementation to Emergency Department Utilization Among Young Adults** *ANNALS OF EMERGENCY MEDICINE*
  Hernandez-Boussard, T., Morrison, D., Goldstein, B. A., Hsia, R. Y.
  2016; 67 (6): 714-720

- **Robot-assisted versus open radical prostatectomy utilization in hospitals offering robotics** *CANADIAN JOURNAL OF UROLOGY*
  Yanamadala, S., Chung, B. I., Hernandez-Boussard, T. M.
  2016; 23 (3): 8280-8285

- **Robot-assisted versus open radical prostatectomy utilization in hospitals offering robotics.** *Canadian journal of urology*
  Yanamadala, S., Chung, B. I., Hernandez-Boussard, T. M.
  2016; 23 (3): 8279-8284

- **Risks of adverse events in colorectal patients: population-based study** *JOURNAL OF SURGICAL RESEARCH*
  Hernandez-Boussard, T. M., McDonald, K. M., Morrison, D. E., Rhoads, K. F.
  2016; 202 (2): 328-334

- **Electronic Health Records and Quality of Care: An Observational Study Modeling Impact on Mortality, Readmissions, and Complications** *MEDICINE*
  Yanamadala, S., Morrison, D., Curtin, C., McDonald, K., Hernandez-Boussard, T.
  2016; 95 (19)

- **The Ontology for Biomedical Investigations** *PLOS ONE*
  Bandrowski, A., Brinkman, R., Brochhausen, M., Brush, M. H., Bug, B., Chibucos, M. C., Clancy, K., Courtot, M., Derom, D., Dumontier, M., Fan, L., Fostel, J., Fragoso, et al
  2016; 11 (4)

- **Performance Measures in Neurosurgical Patient Care Differing Applications of Patient Safety Indicators** *MEDICAL CARE*
  Moghavem, N., McDonald, K., Ratliff, J. K., Hernandez-Boussard, T.

2016; 54 (4): 359-364

- **Performance Measures in Neurosurgical Patient Care: Differing Applications of Patient Safety Indicators.** *Medical care*
  Moghavem, N., McDonald, K., Ratliff, J. K., Hernandez-Boussard, T.
  2016; 54 (4): 359-64
- **New Paradigms for Patient-Centered Outcomes Research in Electronic Medical Records: An Example of Detecting Urinary Incontinence Following Prostatectomy.** *EGEMS (Washington, DC)*
  Hernandez-Boussard, T., Tamang, S., Blayney, D., Brooks, J., Shah, N.
  2016; 4 (3): 1231-?
- **Pediatric Patient and Hospital Characteristics Associated With Treatment of Peritonsillar Abscess and Peritonsillar Cellulitis.** *Clinical pediatrics*
  Nguyen, T., Haberland, C. A., Hernandez-Boussard, T.
  2015; 54 (13): 1240-1246
- **The Effect of Moving Carpal Tunnel Releases Out of Hospitals on Reducing United States Health Care Charges.** *journal of hand surgery*
  Nguyen, C., Milstein, A., Hernandez-Boussard, T., Curtin, C. M.
  2015; 40 (8): 1657-1662
- **Cranial neurosurgical 30-day readmissions by clinical indication** *JOURNAL OF NEUROSURGERY*
  Moghavem, N., Morrison, D., Ratliff, J. K., Hernandez-Boussard, T.
  2015; 123 (1): 189-197
- **Patient safety in plastic surgery: identifying areas for quality improvement efforts.** *Annals of plastic surgery*
  Hernandez-Boussard, T., McDonald, K. M., Rhoads, K. F., Curtin, C. M.
  2015; 74 (5): 597-602
- **The TRANSFORM Patient Safety Project: A Microsystem Approach to Improving Outcomes on Inpatient Units** *JOURNAL OF GENERAL INTERNAL MEDICINE*
  Braddock, C. H., Szaflarski, N., Forsey, L., Abel, L., Hernandez-Boussard, T., Morton, J.
  2015; 30 (4): 425-433
- **Ambulatory surgery center utilization by vitreoretinal surgeons: 1999-2011.** *Ophthalmic surgery, lasers & imaging retina*
  Vaziri, K., Moshfeghi, D. M., Hernandez-Boussard, T., Callaway, N. F., Moshfeghi, A. A.
  2015; 46 (3): 355-361
- **Ambulatory surgery center utilization by vitreoretinal surgeons: 1999-2011.** *Ophthalmic surgery, lasers & imaging retina*
  Vaziri, K., Moshfeghi, D. M., Hernandez-Boussard, T., Callaway, N. F., Moshfeghi, A. A.
  2015; 46 (3): 355-361
- **Impact of histological subtype on long-term outcomes of neuroendocrine carcinoma of the breast** *BREAST CANCER RESEARCH AND TREATMENT*
  Cloyd, J. M., Yang, R. L., Allison, K. H., Norton, J. A., Hernandez-Boussard, T., Wapnir, I. L.
  2014; 148 (3): 637-644
- **Impact of histological subtype on long-term outcomes of neuroendocrine carcinoma of the breast.** *Breast cancer research and treatment*
  Cloyd, J. M., Yang, R. L., Allison, K. H., Norton, J. A., Hernandez-Boussard, T., Wapnir, I. L.
  2014; 148 (3): 637-644
- **Interhospital Facility Transfers in the United States: A Nationwide Outcomes Study.** *Journal of patient safety*
  Hernandez-Boussard, T., Davies, S., McDonald, K., Wang, N. E.
  2014: -?
- **Restrictive blood transfusion practices are associated with improved patient outcomes.** *Transfusion*
  Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.
  2014; 54 (10): 2753-2759
- **Readmissions After Treatment of Distal Radius Fractures** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*
  Curtin, C. M., Hernandez-Boussard, T.
  2014; 39 (10): 1926-1932

- **Restrictive blood transfusion practices are associated with improved patient outcomes** *TRANSFUSION*
  Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.
  2014; 54 (10): 2753-2759
- **Readmissions after treatment of distal radius fractures.** *journal of hand surgery*
  Curtin, C. M., Hernandez-Boussard, T.
  2014; 39 (10): 1926-1932
- **Interfacility transfer and mortality for patients with ruptured abdominal aortic aneurysm.** *Journal of vascular surgery*
  Mell, M. W., Wang, N. E., Morrison, D. E., Hernandez-Boussard, T.
  2014; 60 (3): 553-557
- **The Affordable Care Act reduces emergency department use by young adults: evidence from three States.** *Health affairs*
  Hernandez-Boussard, T., Burns, C. S., Wang, N. E., Baker, L. C., Goldstein, B. A.
  2014; 33 (9): 1648-1654
- **National Review of Factors Influencing Disparities and Types of Major Lower Extremity Amputations** *ANNALS OF VASCULAR SURGERY*
  Zayed, M., Bech, F., Hernandez-Boussard, T.
  2014; 28 (5): 1157-1165
- **Cleft palate surgery: an evaluation of length of stay, complications, and costs by hospital type.** *Cleft palate-craniofacial journal*
  Nguyen, C., Hernandez-Boussard, T., Davies, S. M., Bhattacharya, J., Khosla, R. K., Curtin, C. M.
  2014; 51 (4): 412-419
- **PHYSICIAN IDENTIFICATION AND PATIENT SATISFACTION IN THE EMERGENCY DEPARTMENT: ARE THEY RELATED?** *JOURNAL OF EMERGENCY MEDICINE*
  Mercer, M. P., Hernandez-Boussard, T., Mahadevan, S. V., Strehlow, M. C.
  2014; 46 (5): 711-718
- **Factors Associated With the Disposition of Severely Injured Patients Initially Seen at Non-Trauma Center Emergency Departments Disparities by Insurance Status** *JAMA SURGERY*
  Delgado, M. K., Yokell, M. A., Staudenmayer, K. L., Spain, D. A., Hernandez-Boussard, T., Wang, N. E.
  2014; 149 (5): 422-430
- **The Association of Nurse-to-Patient Ratio with Mortality and Preventable Complications Following Aortic Valve Replacement.** *Journal of cardiac surgery*
  Arkin, N., Lee, P. H., McDonald, K., Hernandez-Boussard, T.
  2014; 29 (2): 141-148
- **Lower Skin Cancer Risk in Women with Higher Body Mass Index: The Women's Health Initiative Observational Study.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*
  Tang, J. Y., Henderson, M. T., Hernandez-Boussard, T., Kubo, J., Desai, M., Sims, S. T., Aroda, V., Thomas, F., McTiernan, A., Stefanick, M. L.
  2013; 22 (12): 2412-2415
- **Breast reconstruction national trends and healthcare implications.** *breast journal*
  Hernandez-Boussard, T., Zeidler, K., Barzin, A., Lee, G., Curtin, C.
  2013; 19 (5): 463-469
- **A National Study on Craniosynostosis Surgical Repair** *CLEFT PALATE-CRANIOFACIAL JOURNAL*
  Christine Nguyen, C., Hernandez-Boussard, T., Khosla, R. K., Curtin, C. M.
  2013; 50 (5): 555-560
- **A national study on craniosynostosis surgical repair.** *Cleft palate-craniofacial journal*
  Nguyen, C., Hernandez-Boussard, T., Khosla, R. K., Curtin, C. M.
  2013; 50 (5): 555-560
- **No Difference in Mortality After Inter-Facility Transfer for Patients with Ruptured Abdominal Aortic Aneurysm**
  Mell, M. W., Wang, N. E., Morrison, D. E., Hernandez-Boussard, T.
  MOSBY-ELSEVIER.2013: 562–62

- **Overlapping meta-analyses on the same topic: survey of published studies** *BMJ-BRITISH MEDICAL JOURNAL*
  Siontis, K. C., Hernandez-Boussard, T., Ioannidis, J. P.
  2013; 347

- **Poor compliance with breast cancer treatment guidelines in men undergoing breast-conserving surgery.** *Breast cancer research and treatment*
  Cloyd, J. M., Hernandez-Boussard, T., Wapnir, I. L.
  2013; 139 (1): 177-182

- **Outcomes of Partial Mastectomy in Male Breast Cancer Patients: Analysis of SEER, 1983-2009** *ANNALS OF SURGICAL ONCOLOGY*
  Cloyd, J. M., Hernandez-Boussard, T., Wapnir, I. L.
  2013; 20 (5): 1545-1550

- **Nonmelanoma Skin Cancer Visits and Procedure Patterns in a Nationally Representative Sample: National Ambulatory Medical Care Survey 1995-2007** *DERMATOLOGIC SURGERY*
  Wysong, A., Linos, E., Hernandez-Boussard, T., Arron, S. T., Gladstone, H., Tang, J. Y.
  2013; 39 (4): 596-602

- **Overlapping meta-analyses on the same topic: survey of published studies.** *BMJ (Clinical research ed.)*
  Siontis, K. C., Hernandez-Boussard, T., Ioannidis, J. P.
  2013; 347: f4501-?

- **Differences in readmissions after open repair versus endovascular aneurysm repair** *26th Annual Meeting of the Western-Vascular-Society*
  Casey, K., Hernandez-Boussard, T., Mell, M. W., Lee, J. T.
  MOSBY-ELSEVIER.2013: 89–95

- **The Epidemiology of Idiopathic Acute Pancreatitis, Analysis of the Nationwide Inpatient Sample From 1998 to 2007** *PANCREAS*
  Chen, Y., Zak, Y., Hernandez-Boussard, T., Park, W., Visser, B. C.
  2013; 42 (1): 1-5

- **Normal Alcohol Metabolism after Gastric Banding and Sleeve Gastrectomy: A Case-Cross-Over Trial** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Changchien, E. M., Woodard, G. A., Hernandez-Boussard, T., Morton, J. M.
  2012; 215 (4): 475-479

- **Predictors of emergency department death for patients presenting with ruptured abdominal aortic aneurysms** *JOURNAL OF VASCULAR SURGERY*
  Mell, M. W., Callcut, R. A., Bech, F., Delgado, M. K., Staudenmayer, K., Spain, D. A., Hernandez-Boussard, T.
  2012; 56 (3): 651-655

- **Pathologic Response to Preoperative Chemotherapy in Colorectal Liver Metastases: Fibrosis, not Necrosis, Predicts Outcome** *ANNALS OF SURGICAL ONCOLOGY*
  Poultsides, G. A., Bao, F., Servais, E. L., Hernandez-Boussard, T., DeMatteo, R. P., Allen, P. J., Fong, Y., Kemeny, N. E., Saltz, L. B., Klimstra, D. S., Jarnagin, W. R., Shia, J., D'Angelica, et al
  2012; 19 (9): 2797-2804

- **Long-term results after accessory renal artery coverage during endovascular aortic aneurysm repair** *26th Annual Meeting of the Western-Vascular-Society*
  Greenberg, J. I., Dorsey, C., Dalman, R. L., Lee, J. T., Harris, E. J., Hernandez-Boussard, T., Mell, M. W.
  MOSBY-ELSEVIER.2012: 291–97

- **Obesity Disparities in Preventive Care: Findings From the National Ambulatory Medical Care Survey, 2005-2007** *OBESITY*
  Hernandez-Boussard, T., Ahmed, S. M., Morton, J. M.
  2012; 20 (8): 1639-1644

- **Laparoscopic vs Open Gastric Bypass Surgery Differences in Patient Demographics, Safety, and Outcomes** *ARCHIVES OF SURGERY*
  Banka, G., Woodard, G., Hernandez-Boussard, T., Morton, J. M.
  2012; 147 (6): 550-556

- **Effect of Roux-en-Y gastric bypass on testosterone and prostate-specific antigen** *BRITISH JOURNAL OF SURGERY*
  Woodard, G., Ahmed, S., Podelski, V., Hernandez-Boussard, T., Presti, J., Morton, J. M.

2012; 99 (5): 693-698

- **Determinants of Adverse Events in Vascular Surgery** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Hernandez-Boussard, T., McDonald, K. M., Morton, J. M., Dalman, R. L., Bech, F. R.
  2012; 214 (5): 788-797
- **Relationship between Patient Safety and Hospital Surgical Volume** *HEALTH SERVICES RESEARCH*
  Hernandez-Boussard, T., Downey, J. R., McDonald, K., Morton, J. M.
  2012; 47 (2): 756-769
- **"Phantom" Publications Among Plastic Surgery Residency Applicants** *ANNALS OF PLASTIC SURGERY*
  Chung, C. K., Hernandez-Boussard, T., Lee, G. K.
  2012; 68 (4): 391-395
- **The aching surgeon: a survey of physical discomfort and symptoms following open, laparoscopic, and robotic surgery.** *Journal of robotic surgery*
  Plerhoples, T. A., Hernandez-Boussard, T., Wren, S. M.
  2012; 6 (1): 65-72
- **Is Patient Safety Improving? National Trends in Patient Safety Indicators: 1998-2007** *HEALTH SERVICES RESEARCH*
  Downey, J. R., Hernandez-Boussard, T., Banka, G., Morton, J. M.
  2012; 47 (1): 414-430
- **Halo Effect for Bariatric Surgery: Collateral Weight Loss in Patients' Family Members (vol 146, pg 1185, 2011)** *ARCHIVES OF SURGERY*
  Woodard, G. A., Encarnacion, B., Peraza, J., Hernandez-Boussard, T., Morton, J.
  2011; 146 (12): 1410-1410
- **Halo Effect for Bariatric Surgery Collateral Weight Loss in Patients' Family Members** *ARCHIVES OF SURGERY*
  Woodard, G. A., Encarnacion, B., Peraza, J., Hernandez-Boussard, T., Morton, J.
  2011; 146 (10): 1185-1190
- **Another Use of the Mobile Device: Warm-up for Laparoscopic Surgery** *JOURNAL OF SURGICAL RESEARCH*
  Plerhoples, T. A., Zak, Y., Hernandez-Boussard, T., Lau, J.
  2011; 170 (2): 185-188
- **Readmissions after Abdominal Aortic Aneurysm Repair: Differences between Open Repair and Endovascular Aneurysm Repair**
  Casey, K. M., Hernandez-Boussard, T., Al-Khatib, W. K., Mell, M. W., Lee, J. T.
  MOSBY-ELSEVIER.2011: 590–90
- **Under-Utilization of Transfer for Ruptured Abdominal Aortic Aneurysm (rAAA) in the Western United States**
  Mell, M. W., Callcut, R. A., Bech, F., Delgado, K., Staudenmayer, K., Spain, D. A., Hernandez-Boussard, T.
  MOSBY-ELSEVIER.2011: 590–91
- **Doxorubicin pathways: pharmacodynamics and adverse effects** *PHARMACOGENETICS AND GENOMICS*
  Thorn, C. F., Oshiro, C., Marsh, S., Hernandez-Boussard, T., McLeod, H., Klein, T. E., Altman, R. B.
  2011; 21 (7): 440-446
- **B-type natriuretic peptide increases after gastric bypass surgery and correlates with weight loss** *12th World Congress of Endoscopic Surgery (WCES)*
  Changchien, E. M., Ahmed, S., Betti, F., Higa, J., Kiely, K., Hernandez-Boussard, T., Morton, J.
  SPRINGER.2011: 2338–43
- **Surgery for Thoracic Outlet Syndrome: A Nationwide Perspective** *Vascular Annual Meeting of the Society-for-Vascular-Surgery*
  Lee, J. T., Dua, M. M., Chandra, V., Hernandez-Boussard, T. M., Illig, K. A.
  MOSBY-ELSEVIER.2011: 100S–101S
- **Adverse events following digital replantation in the elderly.** *journal of hand surgery*
  Barzin, A., Hernandez-Boussard, T., Lee, G. K., Curtin, C.
  2011; 36 (5): 870-874
- **Adverse Events Following Digital Replantation in the Elderly** *JOURNAL OF HAND SURGERY-AMERICAN VOLUME*

Barzin, A., Hernandez-Boussard, T., Lee, G. K., Curtin, C.
2011; 36A (5): 870-874

- **Risk factors predictive of carotid artery stenting-associated subclinical microemboli.** *The International journal of angiology : official publication of the International College of Angiology, Inc*
  Zhou, W., Zareie, R., Tedesco, M., Gholibeikian, S., Lane, B., Hernandez-Boussard, T., Rosen, A.
  2011; 20 (1): 25-32
- **Impaired Alcohol Metabolism after Gastric Bypass Surgery: A Case-Crossover Trial** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Woodard, G. A., Downey, J., Hernandez-Boussard, T., Morton, J. M.
  2011; 212 (2): 209-214
- **Declining Incidence of Neonatal Endophthalmitis in the United States** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
  Moshfeghi, A. A., Charalel, R. A., Hernandez-Boussard, T., Morton, J. M., Moshfeghi, D. M.
  2011; 151 (1): 59-65
- **Do Preventive Care Disparities Exist For the Obese?** *28th Annual Scientific Meeting on the Obesity-Society*
  Morton, J., Hernandez-Boussard, T.
  NATURE PUBLISHING GROUP.2010: S196–S196
- **Post-traumatic stress disorder (PTSD) is not a contraindication to gastric bypass in veterans with morbid obesity** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
  Ikossi, D. G., Maldonado, J. R., Hernandez-Boussard, T., Eisenberg, D.
  2010; 24 (8): 1892-1897
- **A comparison of laparoscopic and robotic assisted suturing performance by experts and novices** *SURGERY*
  Chandra, V., Nehra, D., Parent, R., Woo, R., Reyes, R., Hernandez-Boussard, T., Dutta, S.
  2010; 147 (6): 830-839
- **Early, Intermediate, and Late Effects of a Surgical Skills "Boot Camp" on an Objective Structured Assessment of Technical Skills: A Randomized Controlled Study** *4th Annual Academic Surgical Congress*
  Parent, R. J., Plerhoples, T. A., Long, E. E., Zimmer, D. M., Teshome, M., Mohr, C. J., Ly, D. P., Hernandez-Boussard, T., Curet, M. J., Dutta, S.
  ELSEVIER SCIENCE INC.2010: 984–89
- **One Year Improvements in Cardiovascular Risk Factors: a Comparative Trial of Laparoscopic Roux-en-Y Gastric Bypass vs. Adjustable Gastric Banding** *OBESITY SURGERY*
  Woodard, G. A., Peraza, J., Bravo, S., Toplosky, L., Hernandez-Boussard, T., Morton, J. M.
  2010; 20 (5): 578-582
- **Genomic and functional analysis identifies CRKL as an oncogene amplified in lung cancer** *ONCOGENE*
  Kim, Y. H., Kwei, K. A., Girard, L., Salari, K., Kao, J., Pacyna-Gengelbach, M., Wang, P., Hernandez-Boussard, T., Gazdar, A. F., Petersen, I., Minna, J. D., Pollack, J. R.
  2010; 29 (10): 1421-1430
- **A Second Look at the Fresh Frozen Plasma: Packed Red Blood Cell Ratio in Massive Transfusion Protocols Reply** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Riskin, D. J., Hernandez-Boussard, T., Brundage, S. I.
  2010; 210 (1): 117-118
- **Long-term radiographic outcomes of microemboli following carotid interventions** *63rd Vascular Annual Meeting of the Society-for-Vascular-Surgery (SVS)*
  Zhou, W., Dinishak, D., Lane, B., Hernandez-Boussard, T., Bech, F., Rosen, A.
  MOSBY-ELSEVIER.2009: 1314–19
- **The Halo Effect of Bariatric Surgery: Weight Loss in Patients Family Members** *27th Annual Scientific Meeting of the Obesity-Society*
  Morton, J., Woodard, G., Encarnacion, B., Downey, J., Peraza, J., Hernandez-Boussard, T.
  NATURE PUBLISHING GROUP.2009: S68–S69
- **Incidence of Retinopathy of Prematurity in the United States: 1997 through 2005** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
  Lad, E. M., Hernandez-Boussard, T., Morton, J. M., Moshfeghi, D. M.

2009; 148 (3): 451-458

- **Massive Transfusion Protocols: The Role of Aggressive Resuscitation Versus Product Ratio in Mortality Reduction** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Riskin, D. J., Tsai, T. C., Riskin, L., Hernandez-Boussard, T., Purtill, M., Maggio, P. M., Spain, D. A., Brundage, S. I.
  2009; 209 (2): 198-205

- **Molecular Profiling of Breast Cancer Cell Lines Defines Relevant Tumor Models and Provides a Resource for Cancer Gene Discovery** *PLOS ONE*
  Kao, J., Salari, K., Bocanegra, M., Choi, Y., Girard, L., Gandhi, J., Kwei, K. A., Hernandez-Boussard, T., Wang, P., Gazdar, A. F., Minna, J. D., Pollack, J. R.
  2009; 4 (7)

- **Probiotics Improve Outcomes After Roux-en-Y Gastric Bypass Surgery: A Prospective Randomized Trial** *JOURNAL OF GASTROINTESTINAL SURGERY*
  Woodard, G. A., Encarnacion, B., Downey, J. R., Peraza, J., Chong, K., Hernandez-Boussard, T., Morton, J. M.
  2009; 13 (7): 1198-1204

- **Platinum pathway** *PHARMACOGENETICS AND GENOMICS*
  Marsh, S., McLeod, H., Dolan, E., Shukla, S. J., Rabik, C. A., Gong, L., Hernandez-Boussard, T., Lou, X. J., Klein, T. E., Altman, R. B.
  2009; 19 (7): 563-564

- **Commitment to COT Verification Improves Patient Outcomes and Financial Performance** *67th Annual Meeting of the American-Association-for-the-Surgery-of-Trauma/Meeting of the Association-for-Acute-Medicine*
  Maggio, P. M., Brundage, S. I., Hernandez-Boussard, T., Spain, D. A.
  LIPPINCOTT WILLIAMS & WILKINS.2009: 190–95

- **Preoperative Thrombus Volume Predicts Sac Regression After Endovascular Aneurysm Repair** *JOURNAL OF ENDOVASCULAR THERAPY*
  Yeung, J. J., Hernandez-Boussard, T. M., Song, T. K., Dalman, R. L., Lee, J. T.
  2009; 16 (3): 380-388

- **Bariatric Surgery Improves Musculoskeletal Quality of Life Independent of Weight Loss and Procedure Type** *Digestive Disease Week/110th Annual Meeting of the American-Gastroenterological-Association*
  Bravo, S., Woodard, G., Hernandez-Boussard, T., Morton, J.
  W B SAUNDERS CO-ELSEVIER INC.2009: A903–A903

- **Does Insurance Status Affect Gastric Bypass Surgery Outcomes?** *Digestive Disease Week/110th Annual Meeting of the American-Gastroenterological-Association*
  Woodard, G., Hernandez-Boussard, T., Morton, J.
  W B SAUNDERS CO-ELSEVIER INC.2009: A902–A902

- **Relationship Between Hospital Volume, System Clinical Resources, and Mortality in Pancreatic Resection** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Joseph, B., Morton, J. M., Hernandez-Boussard, T., Rubinfeld, I., Faraj, C., Velanovich, V.
  2009; 208 (4): 520-527

- **Fate of the external carotid artery following carotid interventions.** *The International journal of angiology : official publication of the International College of Angiology, Inc*
  Casey, K., Zhou, W., Tedesco, M. M., Al-Khatib, W. K., Hernandez-Boussard, T., Bech, F.
  2009; 18 (4): 173-176

- **Validation of a Prehospital Trauma Triage Tool: A 10-Year Perspective** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*
  Purtill, M., Benedict, K., Hernandez-Boussard, T., Brundage, S. I., Kritayakirana, K., Sherck, J. P., Garland, A., Spain, D. A.
  2008; 65 (6): 1253-1257

- **Mechanical Bowel Preparation in Intestinal Surgery: A Meta-Analysis and Review of the Literature** *49th Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract/Digestive Disease Week*
  Pineda, C. E., Shelton, A. A., Hernandez-Boussard, T., Morton, J. M., Welton, M. L.
  SPRINGER.2008: 2037–44

- **Disparity in Utilization, Demographics and Outcomes for Bariatric Surgeries** *Annual Scientific Meeting of the Obesity-Society*
  Morton, J., Woodard, G., Downey, J., Hernandez-Boussard, T.

NATURE PUBLISHING GROUP.2008: S297–S297

- **Gastric Bypass Surgery Improves Markers of Aging** *Annual Scientific Meeting of the Obesity-Society*
  Downey, J., Woodard, G., Hernandez-Boussard, T., Morton, J.
  NATURE PUBLISHING GROUP.2008: S144–S144

- **Genomic profiling identifies TITF1 as a lineage-specific oncogene amplified in lung cancer** *ONCOGENE*
  Kwei, K. A., Kim, Y. H., Girard, L., Kao, J., Pacyna-Gengelbach, M., Salari, K., Lee, J., Choi, Y., Sato, M., Wang, P., Hernandez-Boussard, T., Gazdar, A. F., Petersen, et al
  2008; 27 (25): 3635-3640

- **Genomic profiling identifies GATA6 as a candidate oncogene amplified in pancreatobiliary cancer** *PLOS GENETICS*
  Kwei, K. A., Bashyam, M. D., Kao, J., Ratheesh, R., Reddy, E. C., Kim, Y. H., Montgomery, K., Giacomini, C. P., Choi, Y., Chatterjee, S., Karikari, C. A., Salari, K., Wang, et al
  2008; 4 (5)

- **Signal detection: A new statistical method to predict NASH in gastric bypass patients** *Digestive Disease Week Meeting/109th Annual Meeting of the American-Gastroenterological-Association*
  Morton, J. M., Woodard, G. A., Hernandez-Boussard, T.
  W B SAUNDERS CO-ELSEVIER INC.2008: A855–A855

- **Meta-analysis of mechanical bowel preparation for elective colon and rectal resection** *Digestive Disease Week Meeting/109th Annual Meeting of the American-Gastroenterological-Association*
  Pineda, C. E., Shelton, A. A., Hernandez-Boussard, T., Morton, J. M., Welton, M. L.
  W B SAUNDERS CO-ELSEVIER INC.2008: A860–A860

- **The pharmacogenetics and pharmacogenomics knowledge base: accentuating the knowledge** *NUCLEIC ACIDS RESEARCH*
  Hernandez-Boussard, T., Whirl-Carrillo, M., Hebert, J. M., Gong, L., Owen, R., Gong, M., Gor, W., Liu, F., Truong, C., Whaley, R., Woon, M., Zhou, T., Altman, et al
  2008; 36: D913-D918

- **Genomic profiling reveals alternative genetic pathways of prostate tumorigenesis** *CANCER RESEARCH*
  Lapointe, J., Li, C., Giacomini, C. P., Salari, K., Huang, S., Wang, P., Ferrari, M., Hernandez-Boussard, T., Brooks, J. D., Pollack, J. R.
  2007; 67 (18): 8504-8510

- **The Stanford Microarray Database: implementation of new analysis tools and open source release of software** *NUCLEIC ACIDS RESEARCH*
  Demeter, J., Beauheim, C., Gollub, J., Hernandez-Boussard, T., Jin, H., Maier, D., Matese, J. C., Nitzberg, M., Wymore, F., Zachariah, Z. K., Brown, P. O., Sherlock, G., Ball, et al
  2007; 35: D766-D770

- **Integrating large-scale genotype and phenotype data** *OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*
  Hernandez-Boussard, T., Woon, M., Klein, T. E., Altman, R. B.
  2006; 10 (4): 545-554

- **Distinct patterns of DNA copy number alteration are associated with different clinicopathological features and gene-expression subtypes of breast cancer** *GENES CHROMOSOMES & CANCER*
  Bergamaschi, A., Kim, Y. H., Wang, P., Sorlie, T., Hernandez-Boussard, T., Lonning, P. E., Tibshirani, R., Borresen-Dale, A., Pollack, J. R.
  2006; 45 (11): 1033-1040

- **Development of FuGO: An ontology for Functional Genomics Investigations** *OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*
  Whetzel, P. L., Brinkman, R. R., Causton, H. C., Fan, L., Field, D., Fostel, J., Fragoso, G., Gray, T., Heiskanen, M., Hernandez-Boussard, T., Morrison, N., Parkinson, H., Rocca-Serra, et al
  2006; 10 (2): 199-204

- **Pharmacogenomics: The relevance of emerging genotyping technologies.** *MLO: medical laboratory observer*
  Hernandez-Boussard, T., Klein, T. E., Altman, R. B.
  2006; 38 (3): 24-?

- **Combined microarray analysis of small cell lung cancer reveals altered apoptotic balance and distinct expression signatures of MYC family gene amplification** *ONCOGENE*
  Kim, Y. H., Girard, L., Giacomini, C. P., Wang, P., Hernandez-Boussard, T., Tibshirani, R., Minna, J. D., Pollack, J. R.

2006; 25 (1): 130-138

- **Transcriptional analysis of the molecular basis of human kidney aging using cDNA microarray profiling** *KIDNEY INTERNATIONAL*
  Melk, A., Mansfield, E. S., Hsieh, S. C., Hernandez-Boussard, T., Grimm, P., Rayner, D. C., Halloran, P. F., Sarwal, M. M.
  2005; 68 (6): 2667-2679

- **Comparative genomic hybridization on mouse cDNA microarrays and its application to a murine lymphoma model** *ONCOGENE*
  Sander, S., Bullinger, L., Karlsson, A., Giuriato, S., Hernandez-Boussard, T., Felsher, D. W., Pollack, J. R.
  2005; 24 (40): 6101-6107

- **Array-based comparative genomic hybridization identifies localized DNA amplifications and homozygous deletions in pancreatic cancer** *NEOPLASIA*
  Bashyam, M. D., Bair, R., Kim, Y. H., Wang, P., Hernandez-Boussard, T., Karikari, C. A., Tibshirani, R., Maitra, A., Pollack, J. R.
  2005; 7 (6): 556-562

- **Determination of stromal signatures in breast carcinoma** *PLOS BIOLOGY*
  West, R. B., Nuyten, D. S., Subramanian, S., Nielsen, T. O., Corless, C. L., Rubin, B. P., Montgomery, K., Zhu, S., Patel, R., Hernandez-Boussard, T., Goldblum, J. R., Brown, P. O., van De Vijver, et al
  2005; 3 (6): 1101-1110

- **Expression profiling of murine double-negative regulatory T cells suggest mechanisms for prolonged cardiac allograft survival** *JOURNAL OF IMMUNOLOGY*
  Lee, B. P., Mansfield, E., Hsieh, S. C., Hernandez-Boussard, T., Chen, W. H., Thomson, C. W., Ford, M. S., Bosinger, S. E., Der, S., Zhang, Z. X., Zhang, M. X., Kelvin, D. J., Sarwal, et al
  2005; 174 (8): 4535-4544

- **The Stanford Microarray Database accommodates additional microarray platforms and data formats** *NUCLEIC ACIDS RESEARCH*
  Ball, C. A., Awad, I. A., Demeter, J., Gollub, J., Hebert, J. M., Hernandez-Boussard, T., Jin, H., Matese, J. C., Nitzberg, M., Wymore, F., Zachariah, Z. K., Brown, P. O., Sherlock, et al
  2005; 33: D580-D582

- **Gene expression profiles and the TP53 mutation status are powerful prognostic markers of breast cancer** *3rd International Symposium on the Molecular Biology of Breast Cancer*
  Langerod, A., Zhao, H., Borgan, O., Nesland, J. M., Hernandez-Boussard, T., Bukholm, I. K., Karesen, R., Borresen-Dale, A. L., Jeffrey, S. S.
  BIOMED CENTRAL LTD.2005: S52–S52

- **Caryoscope: An Open Source Java application for viewing microarray data in a genomic context** *BMC BIOINFORMATICS*
  Awad, I. A., Rees, C. A., Hernandez-Boussard, T., Ball, C. A., Sherlock, G.
  2004; 5

- **Gastrointestinal stromal tumors (GISTs) with KIT and PDGFRA mutations have distinct gene expression profiles** *ONCOGENE*
  Subramanian, S., West, R. B., Corless, C. L., Ou, W. B., Rubin, B. P., Chu, K. M., Leung, S. Y., Yuen, S. T., Zhu, S., Hernandez-Boussard, T., Montgomery, K., Nielsen, T. O., Patel, et al
  2004; 23 (47): 7780-7790

- **Apo D in soft tissue tumors: a novel marker for dermatofibrosarcoma protuberans (vol 28, pg 1063, 2004)** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
  West, R. B., Harvell, J., Linn, S. C., Lui, C. L., Prapong, W., Hernandez-Boussard, T., Montgomery, K., Nielsen, T. O., Rubin, B. P., Patel, R., Goldblum, J. R., Brown, P. O., van de Rijn, et al
  2004; 28 (10): 1400-1400

- **Immunohistochemical and clinical characterization of the basal-like subtype of invasive breast carcinoma** *CLINICAL CANCER RESEARCH*
  Nielsen, T. O., Hsu, F. D., Jensen, K., Cheang, M., Karaca, G., Hu, Z. Y., Hernandez-Boussard, T., Livasy, C., Cowan, D., Dressler, L., Akslen, L. A., Ragaz, J., GOWN, et al
  2004; 10 (16): 5367-5374

- **Apo D in soft tissue tumors - A novel marker for dermatofibrosarcoma protuberans** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
  West, R. B., Harvell, J., Linn, S. C., Lui, C. L., Prapong, W., Hernandez-Boussard, T., Montgomery, K., Nielsen, T. O., Rubin, B. P., Patel, R., Goldblum, J. R., Brown, P. O., van de Rijn, et al
  2004; 28 (8): 1063-1069

- **Lineage-specific gene duplication and loss in human and great ape evolution** *PLOS BIOLOGY*
  Fortna, A., Kim, Y., MacLaren, E., Marshall, K., Hahn, G., Meltesen, L., Brenton, M., Hink, R., Burgers, S., Hernandez-Boussard, T., Karimpour-Fard, A., Glueck, D., McGavran, et al
  2004; 2 (7): 937-954

- **Lineage-specific gene duplication and loss in human and great ape evolution.** *PLoS biology*
  Fortna, A., Kim, Y., MacLaren, E., Marshall, K., Hahn, G., Meltesen, L., Brenton, M., Hink, R., Burgers, S., Hernandez-Boussard, T., Karimpour-Fard, A., Glueck, D., McGavran, et al
  2004; 2 (7): E207-?

- **High-resolution array-based comparative genomic hybridization for distinguishing paraffin-embedded Spitz nevi and melanomas** *DIAGNOSTIC MOLECULAR PATHOLOGY*
  Harvell, J. D., Kohler, S., Zhu, S., Hernandez-Boussard, T., Pollack, J. R., van de Rijn, M.
  2004; 13 (1): 22-25

- **Gene expression patterns and gene copy number changes in dermatofibrosarcoma protuberans** *AMERICAN JOURNAL OF PATHOLOGY*
  Linn, S. C., West, R. B., Pollack, J. R., Zhu, S., Hernandez-Boussard, T., Nielsen, T. O., Rubin, B. P., Patel, R., Goldblum, J. R., Siegmund, D., Botstein, D., Brown, P. O., Gilks, et al
  2003; 163 (6): 2383-2395

- **Gene expression patterns in ovarian carcinomas** *MOLECULAR BIOLOGY OF THE CELL*
  Schaner, M. E., Ross, D. T., Ciaravino, G., Sorlie, T., Troyanskaya, O., Diehn, M., Wang, Y. C., Duran, G. E., Sikic, T. L., Caldeira, S., Skomedal, H., Tu, I. P., Hernandez-Boussard, et al
  2003; 14 (11): 4376-4386

- **Identification of great ape and human lineage-specific genes using cDNA array-based CGH.** *53rd Annual Meeting of the American-Society-of-Human-Genetics*
  Sikela, J., Marshall, K., Kim, Y., MacLaren, E., Hahn, G., Meltesen, L., Hink, R., Burgers, S., Hernandez-Boussard, T., Karimpour-Fard, A., Glueck, D., McGavrin, L., Berry, et al
  CELL PRESS.2003: 431–31

- **The Stanford Microarray Database: data access and quality assessment tools** *NUCLEIC ACIDS RESEARCH*
  Gollub, J., Ball, C. A., Binkley, G., Demeter, J., Finkelstein, D. B., Hebert, J. M., Hernandez-Boussard, T., Jin, H., Kaloper, M., Matese, J. C., Schroeder, M., Brown, P. O., Botstein, et al
  2003; 31 (1): 94-96

- **SOURCE: a unified genomic resource of functional annotations, ontologies, and gene expression data** *NUCLEIC ACIDS RESEARCH*
  Diehn, M., Sherlock, G., Binkley, G., Jin, H., Matese, J. C., Hernandez-Boussard, T., Rees, C. A., Cherry, J. M., Botstein, D., Brown, P. O., Alizadeh, A. A.
  2003; 31 (1): 219-223

- **Integrating mutation data and structural analysis of the TP53 tumor, suppressor protein** *HUMAN MUTATION*
  Martin, A. C., Facchiano, A. M., Cuff, A. L., Hernandez-Boussard, T., Olivier, M., Hainaut, P., Thornton, J. M.
  2002; 19 (2): 149-164

- **The Stanford Microarray Database** *NUCLEIC ACIDS RESEARCH*
  Sherlock, G., Hernandez-Boussard, T., Kasarskis, A., Binkley, G., Matese, J. C., Dwight, S. S., Kaloper, M., Weng, S., Jin, H., Ball, C. A., Eisen, M. B., Spellman, P. T., Brown, et al
  2001; 29 (1): 152-155

- **Sources of bias in the detection and reporting of p53 mutations in human cancer: analysis of the IARC p53 mutation database** *2nd International Meeting on Mutation Detection*
  Hernandez-Boussard, T., Montesano, R., Hainaut, P.
  ELSEVIER SCIENCE BV.1999: 229–33

- **IARC p53 mutation database: A relational database to compile and analyze p53 mutations in human tumors and cell lines** *HUMAN MUTATION*
  Hernandez-Boussard, T., Rodriguez-Tome, P., Montesano, R., Hainaut, P.
  1999; 14 (1): 1-8

- **Analysis of somatic mutations of the p53 gene in human cancers: A tool to generate hypotheses about the natural history of cancer** *Workshop on the Use of Short-and Meduim-Term Tests for Carcinogens and Data on Genetic Effects in Carcinogenic Hazard Evaluation*

Hernandez-Boussard, T., Montesano, R., Hainaut, P.
INT AGENCY RESEARCH CANCER.1999: 43–53

- **A specific spectrum of p53 mutations in lung cancer from smokers: Review of mutations compiled in the IARC p53 database** *ENVIRONMENTAL HEALTH PERSPECTIVES*
  Hernandez-Boussard, T. M., Hainaut, P.
  1998; 106 (7): 385-391

- **IARC Database of p53 gene mutations in human tumors and cell lines: updated compilation, revised formats and new visualisation tools** *NUCLEIC ACIDS RESEARCH*
  Hainaut, P., Hernandez, T., Robinson, A., Rodriguez-Tome, P., Flores, T., Hollstein, M., Harris, C. C., Montesano, R.
  1998; 26 (1): 205-213

PRESENTATIONS

- Generating Value from EHRs for Quality Measure Analytics in Prostate Cancer Patients - National Cancer Institute (1/31/2017)
- Building Trust Through the Intersection of Data & Technology in Healthcare - MediaX Stanford University
- Leveraging Clinical Narrative Text at Scale: Applying Natural Language Processing to Understand the Patient Care Experience - NCI, Cancer Control and Population Sciences (November 5, 2020)